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SUPERFUND TECHNICAL ASSESSMENT & RESPONSE TEAM V
EPA CONTRACT NO.: 68HE0319D0004

August 6, 2019

Mr. David Rosoff, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Superfund and Emergency Management Division
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT No: 68HE0319D0004
TD No: TO-0032-0008
DC No.: STARTV-01-F-0005
SUBJECT: FINAL REMOVAL ASSESSMENT SAMPLING REPORT, PROPERTIES P021 AND P026 SAMPLING EVENT ROUTE 203 SITE, NASSAU, RENSSELAER COUNTY, NEW YORK

Dear Mr. Rosoff,

Enclosed please find the Final Removal Assessment Sampling Report, Properties P021 and P026 Sampling Event which summarizes the soil sampling activities conducted by the U.S. Environmental Agency, Region II (EPA) with the support of Weston Solutions, Inc., Removal Support Team 3 (RST 3), currently Superfund Technical Assessment & Response Team V (START V), at the Route 203 Site located in Nassau, Rensselaer County, New York. The sampling event was conducted from May 6 through 8, 2019. The EPA comments in regards to the previous version of this report (Document Control Number: STARTV-01-D-0007) have been incorporated.

If you have any questions or comments, please contact me at (908) 565-2974.

Sincerely,

WESTON SOLUTIONS, INC.

Michael Lang
START V Site Project Manager

Enclosure
cc: TD File: TO-0032-0008

FINAL REMOVAL ASSESSMENT SAMPLING REPORT, PROPERTIES P021 AND P026 SAMPLING EVENT

ROUTE 203 SITE
Nassau, Rensselaer County, New York

Site Code: A28L
CERCLIS Code: NYN000203244

Prepared by:

Superfund Technical Assessment & Response Team V
Weston Solutions, Inc.
Federal East Division
Edison, New Jersey 08837

Prepared for:

U.S. Environmental Protection Agency, Region II
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TABLE OF CONTENTS

Content Page

1.0 Introduction 1
1.1 Site Location and Description 1
1.2 Site History and Background 1
2.0 Scope of Work 3
3.0 On-Site Personnel 3
4.0 Site Activities and Observations 4
5.0 Sampling Methodology 4
6.0 Laboratory Receiving Samples 5
7.0 Sample Collection and Dispatch 5
8.0 Surface and Subsurface Characterization Summary 6
9.0 Analytical Results Summary 6
9.1 Property P021 6
9.2 Property P026 7
10.0 Conclusion 8

LIST OF ATTACHMENTS

Attachment A: Figures
Figure 1: Site Location Map
Figure 2: May 2019 Validated PCB Analytical Results Map
Figure 3: May 2019 Validated TCL VOC, TCL SVOC, and RCRA Metal Analytical Results Map

Attachment B: Tables
Table 1: Sample Collection Information Table
Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Table 3: Surface and Subsurface Characterization Summary Table

Attachment C: Photographic Documentation Log

Attachment D: Chains of Custody Records

Attachment E: Validated Laboratory Analytical Data

1.0 Introduction

The U.S. Environmental Protection Agency, Region II (EPA) Emergency and Remedial Response Division (ERRD), currently Superfund and Emergency Management Division (SEMD), with the support of Weston Solutions, Inc., Removal Support Team 3 (RST 3), currently Superfund Technical Assessment & Response Team V (START V), performed a soil sampling event on May 6 through 8, 2019 as part of the ongoing Removal Assessment of the Route 203 Site (the Site) located in Nassau, New York. The sampling event consisted of soil sampling at two areas of concern (AOCs) identified as Properties P021 and P026, both located adjacent to the Site. All the samples collected were submitted to the assigned laboratory for analysis.

1.1 Site Location and Description

The Site includes a property located at 5225-5239 Route 203, Nassau, Rensselaer County, New York (the "Property"). The Property's current zoning is rural residential, and a portion of the Property was used for waste oil storage from the 1960s through the 1980s by various companies owned by Richard and/or Dewey Loeffel (the "Loeffel Companies"). The Dewey Loeffel Landfill Site (the "Landfill Site"), which was used as a waste disposal facility from 1952 to 1968 by the Loeffel Companies, is located on Mead Road approximately five miles from the Site in Nassau, Rensselaer County, New York.

The two AOCs investigated as part of this phase of the Removal Assessment include Property P021, a residential property located immediately south of the Site across Sweets Crossing Road and Property P026, the National Gird Property located immediately west of and contiguous to the Site. An abandoned culvert exists adjacent to the pond at the Site, which previously connected the Site to the backyard of Property P021. A drainage ditch runs along Route 203 through the east edge of the Site and under Sweets Crossing Road into the back yard of Property P021.

Refer to Attachment A, Figure 1: Site Location Map

1.2 Site History and Background

In the 1950s and 1960s, the Landfill Site was used as a disposal facility for more than 46,000 tons of industrial hazardous wastes, including solvents, waste oils, polychlorinated biphenyls (PCBs), scrap materials, sludges, and solids. In 1968, after years of citizen complaints, documented downstream fish and cattle kills, and uncontrolled fires at the Landfill Site, the State of New York ordered the operator, Dewey Loeffel, to stop discharges and perform cleanup work. From 1980 until 2011, numerous investigations and cleanup actions were performed at the Landfill Site under the New York State Department of Environmental Conservation's (NYSDEC's) Superfund program. The State of New York referred the Landfill Site to the EPA and issued a letter of support for placing the Landfill Site on the federal Superfund National Priorities List (NPL). In March 2011, the Landfill Site was added to the NPL. Confirmed contaminants of the Landfill Site include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and PCBs.

Both the Landfill Site and the Site were permitted by NYSDEC for waste oil storage from the mid-1960s until approximately 1980. Rensselaer County Department of Health (DOH) memos from

December 7, 1973 and February 25, 1975, detailing visits to the Site, indicate the presence of four 30,000 gallon oil tanks surrounded by a berm approximately 150 feet east of an on-Site pond. These tanks are no longer present at the Site. The memos also indicate the presence of one buried 30,000 gallon tank, which currently remains at the Site. The memos also state that oil appeared to have entered the swamp located in the rear of the Site property. The property owner has indicated that the swamp area was dredged in the mid- to late- 1970s to create the on-Site pond. Information provided by a NYSDEC employee in July 2018 indicated that the property may have been utilized as a dump site for waste oil. Historical sampling reports indicate samples of invertebrates and amphibians from the pond at the Site had elevated levels of PCBs, including amphibian samples collected on November 17, 1979. Two samples (of soil and pond water at the Site) collected by a neighbor on July 27, 1987 for PCBs, lead, oil and grease, benzene, toluene, xylene, ethylbenzene, and total hydrocarbon, analyses, were free of contamination.

In order to investigate the potential dumping of waste oil and other industrial waste at the Site, RST 3 provided support for a Removal Assessment at the Site, including conducting a Site walk and ground penetrating radar (GPR) survey on October 16, 2018 and a sampling event on December 10 through 14, 2018. A total of 115 soil samples, 30 sediment samples, six surface water samples, three tap water samples, and three solid waste samples were collected from locations throughout the Site as determined by the EPA On-Scene Coordinator (OSC).

Based on analytical results of the December 2018 sampling event, concentrations of toluene, ethyl benzene, m,p-xylenes, o-xylene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, hexachlorobenzene, barium, lead, and mercury exceeding the NYSDEC Restricted Use Soil Cleanup Objectives (RUSCOs) and/or EPA Removal Management Levels (RMLs), respectively for residential soil, were present in the soil samples. Concentrations of toluene, m,p-xylenes, o-xylene, acetone, chlorobenzene, 1,4-dichlorobenzene, barium, lead, and mercury exceeding the NYSDEC RUSCOs for protection of ecological resource and/or EPA RMLs for residential soil, were present in the sediment samples. Concentrations of phenol and bis(2-ethylhexyl)phthalate exceeding the NYSDEC Surface Water Quality Standards (SWQS) and/or EPA Maximum Contaminant Levels (MCLs) were present in the surface water samples. Elevated concentrations of the VOCs, SVOCs, and Resource Conservation and Recovery Act (RCRA) metals in soil, sediment, and surface water were predominantly found along the eastern edge of the on-Site pond. As part of the December 2018 sampling event, tap water samples were also collected from two wells located on the Site. Target analytes were not found in tap water exceeding the EPA MCLs; however, analytes detected in tap water samples included trichloroethene and PCB Aroclor-1260.

The December 2018 sampling event indicates PCBs as the main contaminant of concern at the Site. Based on the analytical results of soil samples, concentration of PCB Aroclor-1016 exceeded the NYSDEC RUSCO for residential soil and the EPA RML for residential soil in one sample and concentrations of PCB Aroclor-1260 exceeded the NYSDEC RUSCO in 92 samples and the EPA RML in 49 samples. Based on the analytical results of sediment samples, concentration of PCB Aroclor-1016 exceeded the NYSDEC RUSCO for protection of ecological resources and the EPA RML in one sample, concentrations of PCB Aroclor-1254 exceeded the NYSDEC RUSCO and the EPA RML in four samples, and concentrations of PCB Aroclor-1260 exceeded the NYSDEC RUSCO in 18 samples and the EPA RML in two samples. Based on the analytical results of solid waste samples, concentration of PCB Aroclor-1260 exceeded the NYSDEC RUSCO for

residential soil and the EPA RML in one sample. PCB Aroclor-1260 was the most widespread contaminant found at elevated concentrations at the Site. A total of 31 soil samples, one sediment sample, and one solid waste sample had concentrations of Aroclor-1260 at or above 50 parts per million (ppm), thereby qualifying soil, sediment, and solid waste at these locations as PCB remediation waste under the Toxic Substances Control Act (TSCA) requiring disposal in a hazardous waste landfill. The area of the Site with the highest concentration of PCB contamination was observed along an approximately 150 foot stretch of shoreline immediately east of the on-Site pond.

Based upon the analytical results of the December 2018 sampling event, EPA was concerned that Site-related contaminants were potentially impacting the residential groundwater wells located in proximity to the Site. Consequently, on March 18 through 21, 2019, RST 3 collected a total of 29 tap water samples from 27 groundwater wells situated on 25 properties, including 24 residential properties located adjacent to the Site and one well located in the Village of Nassau. The tap water samples were submitted for laboratory analyses of TCL VOCs, TCL SVOCs, and PCBs. Based on the analytical results, concentrations of PCBs were not detected, concentration of one TCL SVOC was detected in one sample, and concentrations of several TCL VOCs, including trichloroethene, were detected in eleven samples. All TCL SVOC and TCL VOC detections were at low levels below the EPA MCLs.

2.0 Scope of Work

Based on the analytical results of the December 2018 sampling event, EPA was concerned that Site-related contaminants may have potentially migrated from the Site to adjacent properties. Therefore, RST 3 was tasked by EPA with providing Removal Assessment support for sampling activities at two AOCs, including Property P021 and Property P026, both located adjacent to the Site. The scope of work included soil sampling for laboratory analyses of TCL VOCs, TCL SVOCs, PCBs, and RCRA metals. All soil samples were collected from locations determined on-Site by the EPA OSC. Additionally, RST 3 was tasked with providing brief descriptions of the soil and sediment at the investigated surface areas (depths 0 to 2 inches below ground surface [bgs]) and subsurface depth intervals (2 to 24 inches bgs), specifically focusing on any non-native material found and any VOC readings detected with a MultiRAE multi-gas monitor. All the soil samples were collected to meet quality assurance/quality control (QA/QC) objectives. The sampling event was conducted in order to verify if contamination from the Site has potentially migrated offsite and impacted properties in AOCs located immediately south and west of the Site and, consequently determine if a Removal Action is necessary.

3.0 On-Site Personnel

Name	Affiliation	Duties On-site
David Rosoff	EPA, Region II	On-Scene Coordinator
Joseph Battipaglia	EPA, Region II	Remedial Project Manager
Michael Lang	Weston Solutions, Inc. START V, Region II	Site Project Manager, Site H&S, Site QA/QC, Sample Collection, and Sample Management
Patrick Ahern	Weston Solutions, Inc. START V, Region II	Sample Collection and Sample Management
Ashley Gutierrez	Weston Solutions, Inc. START V, Region II	Sample Collection and Sample Management

EPA: U.S. Environmental Protection Agency
QA/QC: Quality Assurance/ Quality Control
START V: Superfund Technical Assessment & Response Team V
H&S: Health and Safety

4.0 Site Activities and Observations

As part of the ongoing Removal Assessment of the Site, on May 6 through 8, 2019, RST 3 completed soil sampling activities at two AOCs, including Property P021 located immediately south of the Site and Property P026 located immediately west of the Site. During the March 2019 sampling event, EPA and RST 3 observed an existing, abandoned culvert located adjacent to the pond at the Site, which previously connected the Site to the backyard of Property P021. Further investigation on Property P021 revealed the presence of a drainage ditch that runs from the Site, across Sweets Crossing Road along Route 203, and through Property P021. Based upon these observations, EPA was concerned that, contamination from the Site may have extended to Property P021, as well as the possibility of flooding over the roadway. Additionally, based on analytical results from the December 2018 sampling event, EPA determined that contamination was present at locations west of the on-Site pond, which presents a concern that the contamination may have extended further west toward Property P026, where there is the possibility for potential human contact due to ongoing modifications of the area to become a greenway.

Consequent upon these observations and concerns, the EPA OSC identified soil sample locations immediately south of the Site in Property P021 and immediately west of the Site in Property P026. Utilizing non-dedicated stainless steel hand augers and shovels, soil borings were advanced to a target total depth of 24 inches bgs at all the selected soil sample locations, except two locations, P021-SS009 and P021-SS010, selected at Property P021, where the target total depth was 12 inches bgs. A total of 138 soil samples, including seven field duplicates, were collected from 10 soil boring locations in Property P021 and 17 soil boring locations in Property P026. At each soil boring location, RST 3 documented brief descriptions of surface and subsurface characteristics. Additionally, all investigated soil depth intervals were screened with a MultiRAE for VOCs. Based upon field observations and screening activities, the selected soil sampling locations had no evidence of staining, chemical odor, or elevated VOC readings. All soil sampling locations were documented using global positioning system (GPS) technology.

Refer to Attachment A, Figure 2: May 2019 Validated PCB Analytical Results Map, Figure 3: May 2019 Validated TCL VOC, TCL SVOC, and RCRA Metal Analytical Results Map, and Attachment C: Photographic Documentation Log

5.0 Sampling Methodology

All on-site field work was performed in accordance with the RST 3 Site-Specific Health and Safety Plan (HASP), Site-Specific Uniform Federal Policy (UFP) Quality Assurance Project Plan (QAPP), and EPA's Environmental Response Team (ERT)/Scientific Engineering Response and Analytical Services (SERAS) contractor's Standard Operating Procedure (SOP) Numbers (Nos.) 2001: *General Field Sampling Guidelines* and 2012: *Soil Sampling*. Soil samples were collected from locations determined on-Site by the EPA OSC. Prior to sample collection at each location, soil borings were advanced utilizing non-dedicated stainless steel hand augers and shovels to depths bgs. Grab soil samples were collected from depths 0 to 2, 2 to 6, 6 to 12, 12 to 18, and 18 to 24 inches bgs and, specifically at two locations in Property P021, soil samples were collected at depths 0 to 2, 2 to 6, and 6 to 12 inches bgs. At each sample location and depth interval, the soil sample designated for TCL VOC analysis was collected directly from the auger bucket using three

Encore® samplers; subsequently, the remaining soil sample in the auger bucket was placed into a poly bag for homogenization prior to being transferred into glass sample jars for other requested analyses. Field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples were collected at a rate of one per 20 field samples. Soil samples were analyzed for TCL VOCs, TCL SVOCs, PCBs, and RCRA metals. Sample information for all the samples submitted for laboratory analysis were entered into the EPA Scribe data management system from which sample labels and chains of custody (COC) records were generated. The sample labels were affixed to the Encore® samplers and sample jars, which were then preserved on ice in sample coolers.

Non-dedicated sampling equipment (*i.e.*, hand augers and shovels) utilized during soil sampling were decontaminated between sample locations and depth intervals in accordance with EPA's ERT/SERAS contractor's SOP No. 2006: *Sampling Equipment Decontamination*, which included Alconox detergent and potable water scrub, deionized (DI) water rinse, and air dry. In order to verify the adequacy of the decontamination of non-dedicated sampling equipment, an aqueous rinsate blank was collected at the end of each day of sampling by rinsing the non-dedicated sampling equipment with DI water and collecting the rinse water in dedicated glass sample jars, poly sample containers, and volatile organic analysis (VOA) vials. Rinsate blanks were collected for quality control (QC) purposes and submitted to the assigned laboratory for TCL VOCs, TCL SVOCs, PCBs, and RCRA metals, analyses.

6.0 Laboratory Receiving Samples

The following laboratory was utilized during the May 2019 Removal Assessment sampling event:

Laboratory	Sample Matrix	Analyses
Chemtech Consulting Group 284 Sheffield Street Mountainside, New Jersey	Soil / Aqueous (Rinsate Blanks)	TCL VOCs, TCL SVOCs, PCBs, and RCRA Metals

TCL: Target Compound List VOC: Volatile Organic Compound SVOC: Semivolatile Organic Compound
PCB: Polychlorinated Biphenyl RCRA: Resource Conservation and Recovery Act

7.0 Sample Collection and Dispatch

From May 6 through 8, 2019, RST 3 collected a total of 138 soil samples, including seven field duplicates, and three rinsate blanks.

On May 6, 2019, a total of 58 soil samples, including three field duplicates, for TCL VOCs analysis, and one rinsate blank for TCL VOCs analysis, were shipped under COC Record No. 2-050619-0370-0083-0001 via FedEx Airbill No. 7751-4863-4890 to Chemtech Consulting Group (Chemtech) located in Mountainside, New Jersey.

On May 7, 2019, a total of 53 soil samples, including three field duplicates, for TCL VOCs analysis, and one rinsate blank for TCL VOCs analysis, were shipped under COC Record No. 2-050719-0370-0083-0001 via FedEx Airbill No. 7751-5663-0090 to Chemtech located in Mountainside, New Jersey.

On May 8, 2019, a total of 27 soil samples, including one field duplicate, for TCL VOCs analysis, and one rinsate blank for TCL VOCs analysis, were hand-delivered under COC Record No. 2-050819-0370-0083-0001 to Chemtech located in Mountainside, New Jersey.

On May 9, 2019, a total of 138 soil samples, including seven field duplicates, for TCL SVOCs, PCBs, and RCRA metals analyses, and three rinsate blanks for TCL SVOCs, PCBs, and RCRA metals analyses, were hand-delivered under COC Record No. 2-050919-0370-0083-0001 to Chemtech located in Mountainside, New Jersey.

Refer to Attachment B, Table 1: Sample Collection Information Table and Attachment D: Chains of Custody Records.

8.0 Surface and Subsurface Characterization Summary

Generally throughout Property P021, soil at: intervals 0 to 2 inches bgs consisted of brown silty clay with plant roots and organic material; intervals 2 to 6 inches bgs consisted of brown silty clay with plant roots; and intervals 6 to 24 inches bgs consisted of brown or light brown silty clay.

Generally throughout Property P026, soil at: intervals 0 to 2 inches bgs consisted of brown sandy silt with gravel, plant roots, and organic material; intervals 2 to 6 inches bgs consisted of brown or light brown sandy silt with gravel, plant roots, and organic material; intervals 6 to 12 inches bgs consisted of brown or light brown sandy silt with gravel; intervals 12 to 18 inches bgs consisted of brown or light brown silty sand or silty clay with gravel; and intervals 18 to 24 inches bgs consisted of brown or light brown sandy clay or silty sand with gravel. No significant differences were seen between the walking path, slope, or pond floodplain areas of Property P026.

Refer to Attachment B, Table 3: Surface and Subsurface Characterization Summary Table.

9.0 Analytical Results Summary

A total of 138 soil samples, including seven field duplicates, were collected during the May 2019 soil sampling event and submitted for laboratory analyses of TCL VOCs, TCL SVOCs, PCBs, and RCRA metals. The analytical results of the soil samples were compared with the EPA RMLs (revised November 2018) and NYSDEC RUSCOs (dated December 2006), respectively for residential soil.

9.1 Property P021

Based on the validated analytical results, concentrations of TCL VOCs and TCL SVOCs did not exceed NYSDEC RUSCOs and/or EPA RMLs in soil samples collected from Property P021. Concentration of one RCRA metal, barium, exceeded the NYSDEC RUSCO of 350 milligrams per kilogram (mg/kg) in one soil sample, P021-SS010-0612-01, collected from Property P021 from a depth of 6 to 12 inches bgs, at 372 mg/kg. Concentrations of Aroclor-1248 and Aroclor-1260 exceeded the NYSDEC RUSCO of 1,000 micrograms per kilogram (µg/kg) in one soil sample, P021-SS010-0206-01, collected from Property P021 from depths 2 to 6 inches bgs, at 1,400 µg/kg and 5,000 µg/kg, respectively.

9.2 Property P026

Based on the validated analytical results, concentrations of TCL VOCs did not exceed NYSDEC RUSCOs and/or EPA RMLs in soil samples collected from Property P026. Concentrations of at least one or more of seven TCL SVOCs consisting of polycyclic aromatic hydrocarbons (PAHs), including benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene, exceeded the NYSDEC RUSCOs in 34 soil samples collected at Property P026, specifically from 12 sample locations, including P026-SS001, P026-SS002, P026-SS004, P026-SS005, P026-SS006, P026-SS007, P026-SS009, P026-SS010, P026-SS012, P026-SS013, P026-SS015, and P026-SS016.

Based on the validated analytical results, concentrations of benzo(a)anthracene exceeded the NYSDEC RUSCO of 1,000 µg/kg in 28 soil samples with exceedance concentrations ranging from 1,100 µg/kg in P026-SS001-0206-01, P026-SS010-0206-01, and P026-SS013-1824-01 to 13,100 µg/kg in P026-SS004-0002-01. Concentrations of chrysene exceeded the NYSDEC RUSCO of 1,000 µg/kg in 32 soil samples with exceedance concentrations ranging from 1,100 µg/kg in P026-SS009-1218-01, P026-SS010-0612-01 and P026-SS016-0002-01 to 14,200 µg/kg in P026-SS004-0002-01. Concentrations of benzo(b)fluoranthene were equal to or exceeded the NYSDEC RUSCO of 1,000 µg/kg in 31 soil samples with equal and/or exceedance concentrations ranging from 1,000 µg/kg in P026-SS016-0002-01 to 11,900 µg/kg in P026-SS004-0002-01. Concentrations of benzo(k)fluoranthene exceeded the NYSDEC RUSCO of 1,000 µg/kg in 13 soil samples with exceedance concentrations ranging from 1,100 µg/kg in P026-SS005-0612-01 and 1,100 J (estimated value) µg/kg in P026-SS006-0002-02 (field duplicate of P026-SS006-0002-01) to 4,100 µg/kg in P026-SS004-0002-01. Concentrations of benzo(a)pyrene exceeded the NYSDEC RUSCO of 1,000 µg/kg in 24 soil samples with exceedance concentrations ranging from 1,200 µg/kg in P026-SS013-1218-01 to 10,000 µg/kg in P026-SS004-0002-01. Concentrations of indeno(1,2,3-cd)pyrene exceeded the NYSDEC RUSCO of 500 µg/kg in 32 soil samples with exceedance concentrations ranging from 540 µg/kg in P026-SS005-1824-01 to 5,500 µg/kg in P026-SS004-0002-01. Concentrations of dibenzo(a,h)anthracene exceeded the NYSDEC RUSCO of 330 µg/kg in 15 soil samples with exceedance concentrations ranging from 380 J µg/kg in P026-SS007-0206-01 to 1,700 J µg/kg in P026-SS004-0002-01.

Based on the analytical results of the soil samples collected from the afore mentioned 12 specific sample locations, exceedance concentrations of TCL SVOCs were present in 14 surface soil samples, including two field duplicates, collected from all 12 sample locations. Exceedance concentrations of TCL SVOCs were confined to depths 2 to 6 inches bgs in five soil samples collected from five sample locations, including P026-SS001, P026-SS002, P026-SS004, P026-SS006, and P026-SS012. Exceedance concentrations of TCL SVOCs were confined to depths 6 to 12 inches bgs in one soil sample collected from P026-SS010. Exceedance concentrations of TCL SVOCs were confined to depths 12 to 18 inches bgs in two soil samples collected from two sample locations, including P026-SS007 and P026-SS009. Exceedance concentrations of TCL SVOCs were present at depths 18 to 24 inches bgs in two soil samples collected from two sample locations, including P026-SS005 and P026-SS013. The highest concentrations of TCL SVOCs that exceeded NYSDEC RUSCOs were found at P026-SS004.

Based on the validated analytical results, concentrations of at least one or more RCRA metals, including arsenic, barium, and lead, exceeded NYSDEC RUSCOs and/or EPA RMLs in three soil samples collected from three sample locations, P026-SS003, P026-SS006, and P026-SS011, in Property P026. Concentrations of barium exceeded the NYSDEC RUSCO of 350 mg/kg in one soil sample, P026-SS011-0206-01, collected from depths 2 to 6 inches bgs, at 424 J mg/kg. The concentration of arsenic exceeded the NYSDEC RUSCO of 16 mg/kg in one soil sample, P026-SS003-0002-01, collected from depths 0 to 2 inches bgs, at 23.4 mg/kg. Concentrations of lead exceeded the NYSDEC RUSCO and EPA RML of 400 mg/kg respectively, in two soil samples, both collected from depths 0 to 2 inches bgs, including P026-SS003-0002-01 at 2,120 mg/kg and P026-SS006-0002-01 at 3,960 J mg/kg.

Concentrations of Aroclor-1260 exceeded the NYSDEC RUSCO of 1,000 µg/kg in 14 soil samples collected from four sample locations in Property P026, including P026-SS006, P026-SS008, P026-SS011, and P026-SS014, with exceedance concentrations ranging from 1,100 µg/kg in P026-SS008-1218-01 to 20,000 µg/kg in P026-SS008-0002-01. Exceedance concentrations of Aroclor-1260 were confined to depths 0 to 2 inches bgs in two soil samples, including one field duplicate, collected from P026-SS006 in Property P026. Exceedance concentration of Aroclor-1260 was confined to depths 2 to 6 inches bgs in one soil sample collected from P026-SS014 in Property P026. Exceedance concentration of Aroclor-1260 was confined to depths 12 to 18 inches bgs in one soil sample collected from P026-SS008 in Property P026. Exceedance concentration of Aroclor-1260 was present at depths 18 to 24 inches bgs in one soil sample collected from P026-SS011 in Property P026. All the sampled depth intervals from 0 to 24 inches bgs at P026-SS011 had exceedance concentrations of Aroclor-1260.

Refer to Attachment A, Figure 2: May 2019 Validated PCB Analytical Results Map, Figure 3: May 2019 Validated TCL VOC, TCL SVOC, and RCRA Metal Analytical Results Map, Attachment B, Table 2A: Validated Soil Analytical Results Summary Table – TCL VOCs, Table 2B: Validated Soil Analytical Results Summary Table – TCL SVOCs, Table 2C: Validated Soil Analytical Results Summary Table – PCBs, Table 2D: Validated Soil Analytical Results Summary Table – RCRA Metals, and Attachment E: Validated Laboratory Analytical Data.

10.0 Conclusion

On May 6 through 8, 2019, RST 3 performed a soil sampling event as part of ongoing Removal Assessment activities at the Site. A total of 138 soil samples, including seven field duplicates, were collected from 10 locations at Property P021 and 17 locations at Property P026. The analytical results of the soil samples were compared with EPA RMLs and NYSDEC RUSCOs, respectively for residential soil.

In Property P021, Barium, Aroclor-1248, and Aroclor-1260, were the only analytes with concentrations that exceeded the NYSDEC RUSCOs, which were all at soil sample location P021-SS010, located in a drainage ditch approximately 70 feet northwest of the residence on the property. There were no instances of analytes exceeding the NYSDEC RUSCOs adjacent to the abandoned culvert, or throughout the rest of the backyard of Property P021.

Property P026 had exceedance concentrations of TCL SVOCs, PCBs, and RCRA metals. Sample locations where the concentrations of TCL SVOCs exceeded NYSDEC RUSCOs were found along the walking path on Property P026 and approximately 25 feet east of the walking path toward

the floodplain adjacent to the on-Site pond along the slope. Sample locations closer to the pond in the floodplain had higher instances and exceedance concentrations of Aroclor-1260, with no instances of TCL SVOC exceedance concentrations. Concentrations of Aroclor-1260 exceeding the NYSDEC RUSCOs ranged from 1,100 µg/kg to 20,000 µg/kg. Arsenic and barium concentrations exceeding the respective NYSDEC RUSCOs occurred at two locations in the floodplain. Lead was the only analyte with a concentration that exceeded both NYSDEC RUSCOs and EPA RMLs, which occurred at one location in the floodplain at a concentration of 2,120 mg/kg and one location along the walking path at a concentration of 3,960 J mg/kg.

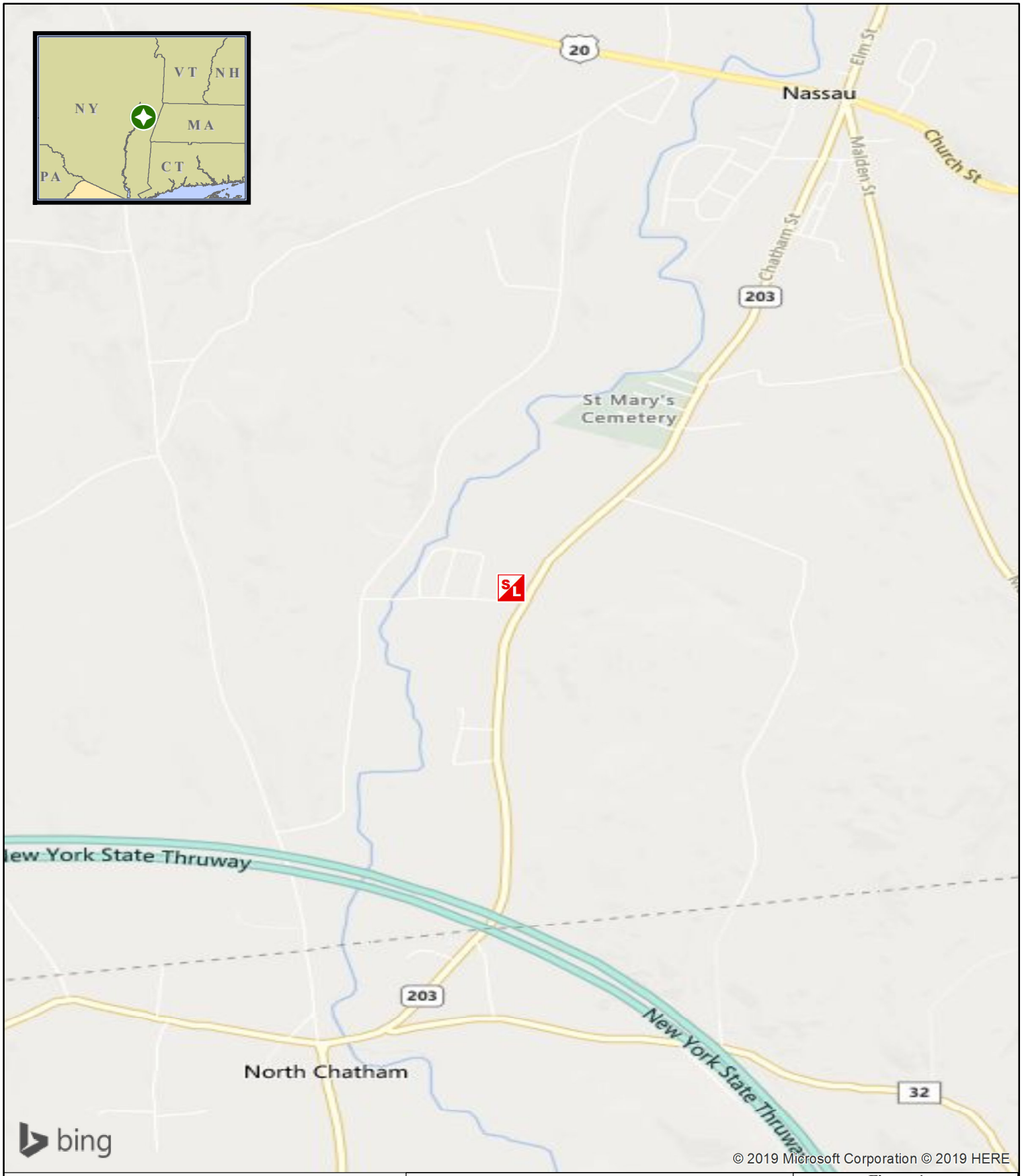
Since it was determined from the December 2018 sampling event that PCBs were the most commonly detected contaminant at the Site, further investigations may be required to determine the extent of Site-related contamination on both Properties P021 and P026.

Report prepared by: _____ 8/6/2019
Michael Lang Date
START V Site Project Manager

Report reviewed by: _____ 8/6/2019
Bernard Nwosu Date
START V Group Leader

Attachment A

Figure 1: Site Location Map
Figure 2: May 2019 Validated PCB Analytical Results Map
Figure 3: May 2019 Validated TCL VOC, TCL SVOC, and RCRA Metal Analytical Results Map



Legend

Site Location

N

0 0.125 0.25 0.5 0.75 1 Miles

Weston Solutions, Inc.
East Division

In Association With
Eco-Risk Consulting Group, Inc., Pro-West & Associates, Inc., Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

Figure 1:
Site Location Map

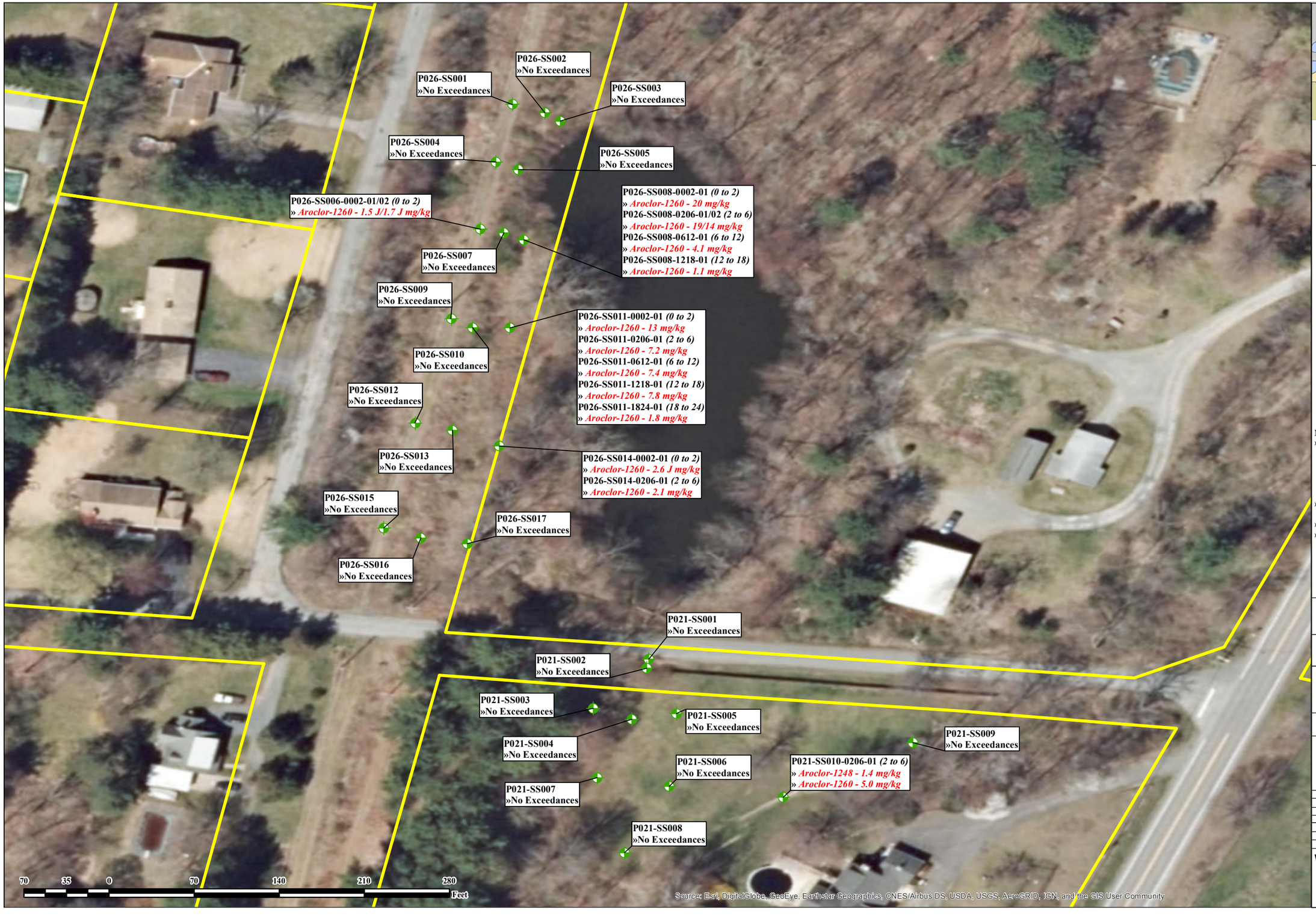
Route 203 Site
Nassau, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND TECHNICAL ASSESSMENT & RESPONSE TEAM V
CONTRACT # 68HE0319D0004

DATE MODIFIED: 7/9/2019

GIS ANALYST:	M. LANG
EPA OSC:	D. ROSOFF
START V SPM:	M. LANG
CHARGE #::	40200.011.032.1008

\\FSED2DATA1\GISDATA\START_V\00320008\MXD\190708_ROUTE203_SLM.MXD



SCALE
1:900

LEGEND

May 2019 Soil Sample Locations

Parcel Boundary

Notes:
»Soil samples were compared with 1 milligram per kilogram (mg/kg), the New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objective (RUSCO) for polychlorinated biphenyls (PCBs) in Residential Soil
»PCB results in red equal or exceed the respective NYSDEC RUSCO
»J - Estimated value
»mg/kg - milligrams per kilogram

Figure 2: May 2019 Validated PCB Analytical Results Map

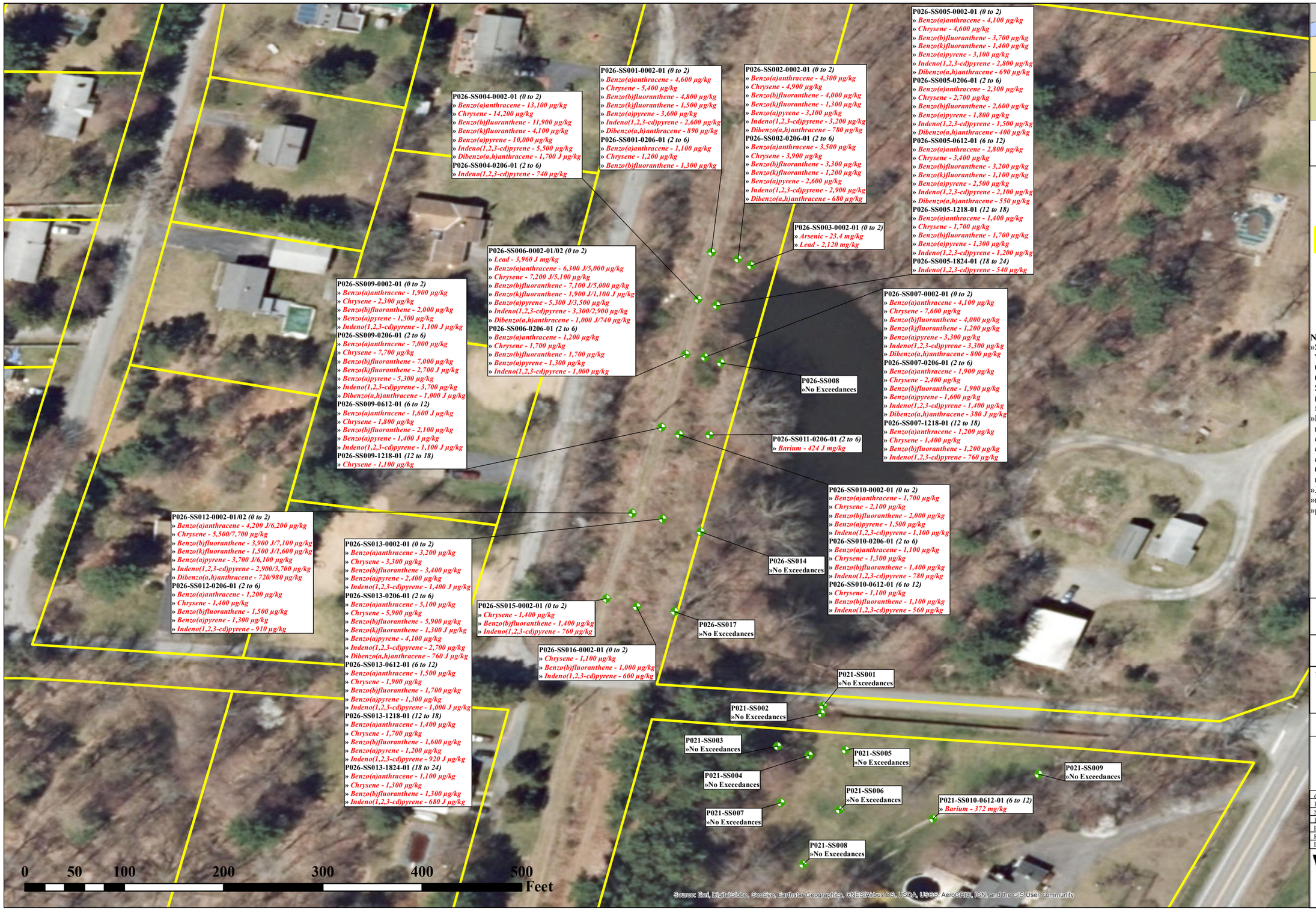
Route 203 Site
Nassau, New York

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND TECHNICAL ASSESSMENT & RESPONSE TEAM V
CONTRACT # 68HE0319D0004

Weston Solutions, Inc.

In Association With
Eco-Risk Consulting Group, Inc., Pro-West & Associates, Inc., Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. LANG
EPA OSC:	D. ROSOFF
START V SPM:	M. LANG
FILENAME:	190708_Route203_May2019_PCBs
FIGURE	2
REVISION	0.0
DATE MODIFIED	7/9/2019



SCALE

1:1,100

LEGEND

May 2019 Soil Sample Locations

Parcel Boundary

Notes:

»Soil samples were compared with the New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil and the Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil

»Results in red equal or exceed one of the respective cleanup objectives for target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), and Resource Conservation and Recovery Act (RCRA) metals

»J - Estimated value

»mg/kg - milligrams per kilogram

»µg/kg - micrograms per kilogram

Figure 3: May 2019 Validated TCL VOC, TCL SVOC, and RCRA Metal Analytical Results Map

Route 203 Site
Nassau, New York

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND TECHNICAL ASSESSMENT & RESPONSE TEAM V
CONTRACT # 68HE0319D0004

Weston Solutions, Inc.

In Association With
Eco-Risk Consulting Group, Inc., Pro-West & Associates, Inc., Avatar Environmental, LLC, On-Site Environmental, Inc., and Sovereign Consulting, Inc.

GIS ANALYST:	M. LANG
EPA OSC:	D. ROSOFF
START V SPM:	M. LANG
FILENAME:	190708_Route203_May2019_Results
FIGURE	3
REVISION	0.0
DATE MODIFIED	7/9/2019

Attachment B

Table 1: Sample Collection Information Table
Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Table 3: Surface and Subsurface Characterization Summary Table

Table 1: Sample Collection Information Table
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	Sample Location	Sample Date	Sample Time	Matrix	Sample Type	Sample Depth (inches)	Analyses
P021-SS001-0002-01*	P021-SS001	5/7/2019	11:40	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS001-0002-02	P021-SS001	5/7/2019	11:40	Soil	Field Duplicate	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS001-0206-01	P021-SS001	5/7/2019	11:46	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS001-0612-01	P021-SS001	5/7/2019	11:53	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS001-1218-01	P021-SS001	5/7/2019	11:58	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS001-1824-01	P021-SS001	5/7/2019	12:03	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS002-0002-01	P021-SS002	5/7/2019	12:14	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS002-0206-01	P021-SS002	5/7/2019	12:23	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS002-0612-01	P021-SS002	5/7/2019	12:31	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS002-1218-01	P021-SS002	5/7/2019	12:39	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS002-1824-01	P021-SS002	5/7/2019	12:44	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS003-0002-01	P021-SS003	5/7/2019	12:56	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS003-0206-01	P021-SS003	5/7/2019	13:20	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS003-0612-01	P021-SS003	5/7/2019	13:28	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS003-1218-01	P021-SS003	5/7/2019	13:34	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS003-1824-01	P021-SS003	5/7/2019	13:41	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS004-0002-01	P021-SS004	5/7/2019	13:48	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS004-0206-01	P021-SS004	5/7/2019	13:54	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS004-0612-01	P021-SS004	5/7/2019	14:00	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS004-1218-01	P021-SS004	5/7/2019	14:13	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS004-1824-01	P021-SS004	5/7/2019	14:25	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS005-0002-01	P021-SS005	5/8/2019	7:45	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS005-0206-01	P021-SS005	5/8/2019	7:48	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS005-0612-01	P021-SS005	5/8/2019	7:53	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS005-1218-01	P021-SS005	5/8/2019	8:00	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS005-1824-01	P021-SS005	5/8/2019	8:06	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS006-0002-01	P021-SS006	5/8/2019	8:18	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS006-0206-01	P021-SS006	5/8/2019	8:23	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS006-0612-01	P021-SS006	5/8/2019	8:27	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS006-1218-01	P021-SS006	5/8/2019	8:34	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS006-1824-01	P021-SS006	5/8/2019	8:40	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS007-0002-01	P021-SS007	5/8/2019	8:46	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS007-0206-01	P021-SS007	5/8/2019	8:55	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS007-0612-01	P021-SS007	5/8/2019	9:03	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS007-1218-01	P021-SS007	5/8/2019	9:07	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS007-1824-01	P021-SS007	5/8/2019	9:14	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS008-0002-01	P021-SS008	5/8/2019	9:20	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS008-0206-01*	P021-SS008	5/8/2019	9:24	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS008-0206-02	P021-SS008	5/8/2019	9:24	Soil	Field Duplicate	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS008-0612-01	P021-SS008	5/8/2019	9:31	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS008-1218-01	P021-SS008	5/8/2019	9:36	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS008-1824-01	P021-SS008	5/8/2019	9:40	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS009-0002-01	P021-SS009	5/8/2019	9:50	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS009-0206-01	P021-SS009	5/8/2019	9:56	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS009-0612-01	P021-SS009	5/8/2019	10:04	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS010-0002-01	P021-SS010	5/8/2019	10:12	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS010-0206-01	P021-SS010	5/8/2019	10:20	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P021-SS010-0612-01	P021-SS010	5/8/2019	10:26	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS001-0002-01	P026-SS001	5/6/2019	11:20	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS001-0206-01	P026-SS001	5/6/2019	11:28	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS001-0612-01	P026-SS001	5/6/2019	11:35	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS001-1218-01	P026-SS001	5/6/2019	11:44	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS001-1824-01	P026-SS001	5/6/2019	11:55	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS002-0002-01	P026-SS002	5/6/2019	12:05	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS002-0206-01	P026-SS002	5/6/2019	12:12	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS002-0612-01	P026-SS002	5/6/2019	12:20	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS002-1218-01*	P026-SS002	5/6/2019	12:24	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS002-1218-02	P026-SS002	5/6/2019	12:24	Soil	Field Duplicate	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS002-1824-01	P026-SS002	5/6/2019	12:30	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS003-0002-01	P026-SS003	5/6/2019	12:39	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS003-0206-01	P026-SS003	5/6/2019	12:44	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS003-0612-01	P026-SS003	5/6/2019	12:51	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals

Notes:

START V - Superfund Technical Assessment & Response Team V

*Field sample designated as matrix spike/matrix spike duplicate (MS/MSD)

TCL - Target Compound List; VOC - Volatile Organic Compound; SVOC - Semivolatile Organic Compound; PCB - Polychlorinated Biphenyl; RCRA - Resource Conservation and Recovery Act

Table 1: Sample Collection Information Table
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	Sample Location	Sample Date	Sample Time	Matrix	Sample Type	Sample Depth (inches)	Analyses
P026-SS003-1218-01	P026-SS003	5/6/2019	13:01	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS003-1824-01	P026-SS003	5/6/2019	13:06	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS004-0002-01	P026-SS004	5/6/2019	13:20	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS004-0206-01	P026-SS004	5/6/2019	13:25	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS004-0612-01	P026-SS004	5/6/2019	13:32	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS004-1218-01	P026-SS004	5/6/2019	13:41	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS004-1824-01	P026-SS004	5/6/2019	13:48	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS005-0002-01	P026-SS005	5/6/2019	13:53	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS005-0206-01	P026-SS005	5/6/2019	14:01	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS005-0612-01	P026-SS005	5/6/2019	14:08	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS005-1218-01	P026-SS005	5/6/2019	14:15	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS005-1824-01	P026-SS005	5/6/2019	14:22	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS006-0002-01*	P026-SS006	5/6/2019	14:34	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS006-0002-02	P026-SS006	5/6/2019	14:34	Soil	Field Duplicate	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS006-0206-01	P026-SS006	5/6/2019	14:40	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS006-0612-01	P026-SS006	5/6/2019	14:44	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS006-1218-01	P026-SS006	5/6/2019	14:50	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS006-1824-01	P026-SS006	5/6/2019	14:57	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS007-0002-01	P026-SS007	5/6/2019	15:04	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS007-0206-01	P026-SS007	5/6/2019	15:09	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS007-0612-01	P026-SS007	5/6/2019	15:16	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS007-1218-01	P026-SS007	5/6/2019	15:19	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS007-1824-01	P026-SS007	5/6/2019	15:25	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS008-0002-01	P026-SS008	5/6/2019	15:31	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS008-0206-01*	P026-SS008	5/6/2019	15:40	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS008-0206-02	P026-SS008	5/6/2019	15:40	Soil	Field Duplicate	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS008-0612-01	P026-SS008	5/6/2019	15:51	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS008-1218-01	P026-SS008	5/6/2019	15:58	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS008-1824-01	P026-SS008	5/6/2019	16:03	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS009-0002-01	P026-SS009	5/6/2019	16:07	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS009-0206-01	P026-SS009	5/6/2019	16:14	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS009-0612-01	P026-SS009	5/6/2019	16:18	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS009-1218-01	P026-SS009	5/6/2019	16:21	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS009-1824-01	P026-SS009	5/6/2019	16:29	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS010-0002-01	P026-SS010	5/6/2019	16:36	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS010-0206-01	P026-SS010	5/6/2019	16:42	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS010-0612-01	P026-SS010	5/6/2019	16:50	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS010-1218-01	P026-SS010	5/6/2019	16:57	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS010-1824-01	P026-SS010	5/6/2019	17:02	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS011-0002-01	P026-SS011	5/6/2019	17:08	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS011-0206-01	P026-SS011	5/6/2019	17:15	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS011-0612-01	P026-SS011	5/6/2019	17:19	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS011-1218-01	P026-SS011	5/6/2019	17:20	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS011-1824-01	P026-SS011	5/6/2019	17:20	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS012-0002-01*	P026-SS012	5/7/2019	8:02	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS012-0002-02	P026-SS012	5/7/2019	8:02	Soil	Field Duplicate	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS012-0206-01	P026-SS012	5/7/2019	8:09	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS012-0612-01	P026-SS012	5/7/2019	8:15	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS012-1218-01	P026-SS012	5/7/2019	8:22	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS012-1824-01	P026-SS012	5/7/2019	8:32	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS013-0002-01	P026-SS013	5/7/2019	8:37	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS013-0206-01	P026-SS013	5/7/2019	8:42	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS013-0612-01	P026-SS013	5/7/2019	8:49	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS013-1218-01	P026-SS013	5/7/2019	8:54	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS013-1824-01	P026-SS013	5/7/2019	9:02	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS014-0002-01	P026-SS014	5/7/2019	9:07	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS014-0206-01	P026-SS014	5/7/2019	9:14	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS014-0612-01	P026-SS014	5/7/2019	9:21	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS014-1218-01	P026-SS014	5/7/2019	9:27	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS014-1824-01	P026-SS014	5/7/2019	9:33	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS015-0002-01	P026-SS015	5/7/2019	9:39	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS015-0206-01	P026-SS015	5/7/2019	9:44	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals

Notes:
START V - Superfund Technical Assessment & Response Team V
*Field sample designated as matrix spike/matrix spike duplicate (MS/MSD)
TCL - Target Compound List; VOC - Volatile Organic Compound; SVOC - Semivolatile Organic Compound; PCB - Polychlorinated Biphenyl; RCRA - Resource Conservation and Recovery Act

Table 1: Sample Collection Information Table
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	Sample Location	Sample Date	Sample Time	Matrix	Sample Type	Sample Depth (inches)	Analyses
P026-SS015-0612-01	P026-SS015	5/7/2019	9:51	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS015-1218-01	P026-SS015	5/7/2019	9:58	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS015-1824-01*	P026-SS015	5/7/2019	10:04	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS015-1824-02	P026-SS015	5/7/2019	10:04	Soil	Field Duplicate	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS016-0002-01	P026-SS016	5/7/2019	10:13	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS016-0206-01	P026-SS016	5/7/2019	10:25	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS016-0612-01	P026-SS016	5/7/2019	10:33	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS016-1218-01	P026-SS016	5/7/2019	10:41	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS016-1824-01	P026-SS016	5/7/2019	10:50	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS017-0002-01	P026-SS017	5/7/2019	10:56	Soil	Field Sample	0-2	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS017-0206-01	P026-SS017	5/7/2019	11:08	Soil	Field Sample	2-6	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS017-0612-01	P026-SS017	5/7/2019	11:12	Soil	Field Sample	6-12	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS017-1218-01	P026-SS017	5/7/2019	11:16	Soil	Field Sample	12-18	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
P026-SS017-1824-01	P026-SS017	5/7/2019	11:20	Soil	Field Sample	18-24	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
RB-190506	RB-190506	5/6/2019	17:40	Deionized Water	Rinsate Blank	Not Applicable	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
RB-190507	RB-190507	5/7/2019	15:45	Deionized Water	Rinsate Blank	Not Applicable	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals
RB-190508	RB-190508	5/8/2019	11:00	Deionized Water	Rinsate Blank	Not Applicable	TCL VOCs, TCL SVOCs, PCBs, RCRA Metals

Notes:

START V - Superfund Technical Assessment & Response Team V

*Field sample designated as matrix spike/matrix spike duplicate (MS/MSD)

TCL - Target Compound List; VOC - Volatile Organic Compound; SVOC - Semivolatile Organic Compound; PCB - Polychlorinated Biphenyl; RCRA - Resource Conservation and Recovery Act

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS001-0002-01	P021-SS001-0002-02	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01	P021-SS001-1824-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			0-2	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.1 U	0.96 U	0.78 U	0.84 U	0.81 U	0.76 U
Chloromethane	110,000	NS	2.1 U	1.9 U	1.5 U	1.6 U	1.6 U	1.5 U
Vinyl chloride	5,900	210	1.3 U	1.2 U	0.96 U	1 U	0.99 U	0.93 U
Bromomethane	6,800	NS	0.45 UJ	0.4 UJ	0.33 U	0.35 UJ	0.34 UJ	0.32 U
Chloroethane	14,000,000	NS	0.68 UJ	0.61 UJ	0.5 U	0.53 U	0.51 U	0.48 U
Trichlorofluoromethane	23,000,000	NS	0.77 U	0.69 U	0.56 U	0.6 U	0.58 U	0.54 UJ
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.95 U	0.85 U	0.69 U	0.74 U	0.72 U	0.67 U
1,1-Dichloroethene	230,000	100,000	1.2 U	1.1 U	0.86 U	0.92 U	0.89 U	0.83 U
Acetone	61,000,000	100,000	9.1 U	8.2 U	6.6 U	7.1 UJ	**10.9 J**	**42.6 J**
Carbon disulfide	770,000	NS	1.3 U	1.1 U	0.92 U	0.99 U	0.96 U	0.9 U
Methyl tert-butyl ether	4,700,000	62,000	1.7 U	1.5 U	1.2 U	1.3 U	1.2 U	1.2 U
Methyl acetate	78,000,000	NS	3.3 U	3 U	2.4 U	2.6 U	2.5 U	2.4 U
Methylene chloride	350,000	51,000	6.2 U	5.5 U	4.5 U	4.8 U	4.6 U	4.4 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.5 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U
1,1-Dichloroethane	360,000	19,000	1.1 U	0.97 U	0.79 U	0.84 U	0.81 U	0.76 U
Cyclohexane	6,500,000	NS	2.1 U	1.9 U	1.6 U	1.7 U	1.6 U	1.5 U
2-Butanone	27,000,000	100,000	7.9 U	7.1 U	5.8 U	6.2 U	6 U	5.6 U
Carbon tetrachloride	65,000	1,400	0.98 U	0.88 U	0.71 U	0.76 U	0.74 U	0.69 UJ
cis-1,2-Dichloroethene	160,000	59,000	1.2 U	1 U	0.85 U	0.91 U	0.88 U	0.83 U
Bromochloromethane	150,000	NS	1.4 U	1.3 U	1 U	1.1 U	1.1 U	1 UJ
Chloroform	32,000	10,000	1 U	0.92 U	0.74 U	0.8 U	0.77 U	0.73 UJ
1,1,1-Trichloroethane	8,100,000	100,000	1.3 U	1.1 U	0.91 U	0.98 U	0.95 U	0.89 UJ
Methylcyclohexane	NS	NS	1.4 U	1.3 U	1 U	1.1 U	1.1 U	0.99 U
Benzene	82,000	2,900	1 U	0.89 U	0.72 U	0.77 U	0.75 U	0.7 U
1,2-Dichloroethane	31,000	2,300	1.4 U	1.3 U	1 U	1.1 U	1.1 U	1 UJ
Trichloroethene	4,100	10,000	1.1 U	0.99 U	0.8 U	0.86 U	0.83 U	0.78 U
1,2-Dichloropropane	16,000	NS	1.5 U	1.3 U	1.1 U	1.2 U	1.1 U	1 U
Bromodichloromethane	29,000	NS	1.2 U	1.1 U	0.86 U	0.92 U	0.89 U	0.83 U
4-Methyl-2-pentanone	33,000,000	NS	6.6 U	5.9 U	4.8 U	5.2 U	5 U	4.7 U
Toluene	4,900,000	100,000	1.2 U	1 U	0.84 U	0.9 U	0.87 U	0.82 U
trans-1,3-Dichloropropene	NS	NS	1.2 U	1.1 U	0.87 U	0.93 U	0.9 U	0.85 U
cis-1,3-Dichloropropene	NS	NS	1.3 U	1.1 U	0.92 U	0.99 U	0.96 U	0.9 U
1,1,2-Trichloroethane	1,500	NS	1.7 U	1.5 U	1.2 U	1.3 U	1.3 U	1.2 U
2-Hexanone	200,000	NS	8.8 U	7.8 U	6.4 U	6.8 U	6.6 U	6.2 U
Dibromochloromethane	830,000	NS	1.6 U	1.4 U	1.1 U	1.2 U	1.2 U	1.1 U
1,2-Dibromoethane	3,600	NS	1.5 U	1.4 U	1.1 U	1.2 U	1.2 U	1.1 U
Tetrachloroethene	81,000	5,500	0.83 U	0.74 U	0.6 U	0.64 U	0.62 U	0.58 U
Chlorobenzene	280,000	100,000	0.94 U	0.84 U	0.68 U	0.73 U	0.7 U	0.66 U
Ethyl benzene	580,000	30,000	1 U	0.91 U	0.74 U	0.79 U	0.76 U	0.72 U
m,p-Xylenes*	NS**	100,000	2 U	1.8 U	1.4 U	1.5 U	1.5 U	1.4 U
o-Xylene*	650,000	100,000	1.3 U	1.2 U	0.95 U	1 U	0.98 U	0.92 U
Styrene	6,000,000	NS	1.2 U	1.1 U	0.86 U	0.92 U	0.89 U	0.83 U
Bromoform	1,600,000	NS	3.9 U	3.5 U	2.8 U	3 U	2.9 U	2.8 U
Isopropylbenzene	1,900,000	NS	**3.7 J+**	**4 J+**	0.75 UJ	0.8 UJ	0.77 UJ	**8.7 J**
1,1,2,2-Tetrachloroethane	60,000	NS	1.3 UJ	1.2 UJ	0.94 UJ	1 UJ	0.97 UJ	0.91 UJ
1,3-Dichlorobenzene	NS	17,000	1.3 UJ	1.1 UJ	0.92 UJ	0.98 UJ	0.95 UJ	0.89 UJ
1,4-Dichlorobenzene	260,000	9,800	1.3 UJ	1.1 UJ	0.91 UJ	0.97 UJ	0.94 UJ	0.89 UJ
1,2-Dichlorobenzene	1,800,000	100,000	1.5 UJ	1.3 UJ	1.1 UJ	1.2 UJ	1.1 UJ	1.1 UJ
1,2-Dibromo-3-chloropropane	530	NS	4 UJ	3.5 UJ	2.9 UJ	3.1 UJ	3 UJ	2.8 UJ
1,2,4-Trichlorobenzene	58,000	NS	1.3 UJ	1.2 UJ	0.96 UJ	1 UJ	0.99 UJ	0.93 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.5 UJ	1.4 UJ	1.1 UJ	1.2 UJ	1.1 UJ	1.1 UJ

Notes:
START V - Superfund Technical Assessment & Response Team V
TCL - Target Compound List
VOC - Volatile Organic Compound
J - Estimated value
J+ - Estimated value with a high bias
U - Not detected
R - Rejected
B - Analyte found in associated method blank
NS - Not Specified
NA - Not Applicable
[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018
[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006
All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)
*RUSCO based on value for total xylenes
**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene
Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01	P021-SS002-1824-01	P021-SS003-0002-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.98 UJ	0.83 U	0.97 U	0.99 U	1.1 U	1.5 UJ
Chloromethane	110,000	NS	1.9 UJ	1.6 U	1.9 U	1.9 U	2.1 U	2.9 UJ
Vinyl chloride	5,900	210	1.2 UJ	1 U	1.2 U	1.2 U	1.3 U	1.8 UJ
Bromomethane	6,800	NS	0.41 UJ	0.35 U	0.4 U	0.41 U	0.45 U	0.62 UJ
Chloroethane	14,000,000	NS	0.62 UJ	0.53 U	0.61 U	0.63 U	0.69 U	0.94 UJ
Trichlorofluoromethane	23,000,000	NS	0.7 UJ	0.59 U	0.69 UJ	0.71 U	0.78 U	1.1 UJ
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.87 UJ	0.73 U	0.85 U	0.88 U	0.96 U	1.3 UJ
1,1-Dichloroethene	230,000	100,000	1.1 UJ	0.91 U	1.1 U	1.1 U	1.2 U	1.6 UJ
Acetone	61,000,000	100,000	8.3 UJ	**19.5 J**	**13 J**	**15.6 J**	**21.3 J**	**140 J**
Carbon disulfide	770,000	NS	1.2 UJ	0.98 U	1.1 U	1.2 U	1.3 U	1.7 UJ
Methyl tert-butyl ether	4,700,000	62,000	1.5 UJ	1.3 U	1.5 U	1.5 U	1.7 U	2.3 UJ
Methyl acetate	78,000,000	NS	3 UJ	2.6 U	3 U	3.1 U	3.4 U	4.6 UJ
Methylene chloride	350,000	51,000	5.6 UJ	4.8 U	5.5 U	5.7 U	6.2 U	8.5 UJ
trans-1,2-Dichloroethene	1,600,000	100,000	1.4 UJ	1.2 U	1.3 U	1.4 U	1.5 U	2.1 UJ
1,1-Dichloroethane	360,000	19,000	0.98 UJ	0.83 U	0.97 U	0.99 U	1.1 U	1.5 UJ
Cyclohexane	6,500,000	NS	1.9 UJ	1.6 U	1.9 U	2 U	2.2 U	2.9 UJ
2-Butanone	27,000,000	100,000	7.2 UJ	6.1 U	7.1 U	7.3 U	8 U	10.9 UJ
Carbon tetrachloride	65,000	1,400	0.89 UJ	0.76 U	0.88 UJ	0.9 U	0.99 U	1.3 UJ
cis-1,2-Dichloroethene	160,000	59,000	1.1 UJ	0.9 U	1.1 U	1.1 U	1.2 U	1.6 UJ
Bromochloromethane	150,000	NS	1.3 UJ	1.1 UJ	1.3 UJ	1.3 UJ	1.4 UJ	1.9 UJ
Chloroform	32,000	10,000	0.93 UJ	0.79 U	0.92 UJ	0.94 U	1 U	1.4 UJ
1,1,1-Trichloroethane	8,100,000	100,000	1.1 UJ	0.97 U	1.1 UJ	1.2 U	1.3 U	1.7 UJ
Methylcyclohexane	NS	NS	1.3 UJ	1.1 U	1.3 U	1.3 U	1.4 U	1.9 UJ
Benzene	82,000	2,900	0.91 UJ	0.77 U	0.89 U	0.92 U	1 U	1.4 UJ
1,2-Dichloroethane	31,000	2,300	1.3 UJ	1.1 U	1.3 UJ	1.3 U	1.4 U	2 UJ
Trichloroethene	4,100	10,000	1 UJ	0.85 U	0.99 U	1 U	1.1 U	1.5 UJ
1,2-Dichloropropane	16,000	NS	1.3 UJ	1.1 U	1.3 U	1.4 U	1.5 U	2 UJ
Bromodichloromethane	29,000	NS	1.1 UJ	0.91 U	1.1 U	1.1 U	1.2 U	1.6 UJ
4-Methyl-2-pentanone	33,000,000	NS	6 UJ	5.1 U	6 U	6.1 U	6.7 U	9.1 UJ
Toluene	4,900,000	100,000	1.1 UJ	0.89 U	1 U	1.1 U	1.2 U	1.6 UJ
trans-1,3-Dichloropropene	NS	NS	1.1 UJ	0.92 U	1.1 U	1.1 U	1.2 U	1.6 UJ
cis-1,3-Dichloropropene	NS	NS	1.2 UJ	0.98 U	1.1 U	1.2 U	1.3 U	1.7 UJ
1,1,2-Trichloroethane	1,500	NS	1.5 UJ	1.3 U	1.5 U	1.6 U	1.7 U	2.3 UJ
2-Hexanone	200,000	NS	8 UJ	6.8 U	7.9 U	8.1 U	8.9 U	12 UJ
Dibromochloromethane	830,000	NS	1.4 UJ	1.2 U	1.4 U	1.4 U	1.6 U	2.1 UJ
1,2-Dibromoethane	3,600	NS	1.4 UJ	1.2 U	1.4 U	1.4 U	1.6 U	2.1 UJ
Tetrachloroethene	81,000	5,500	0.75 UJ	0.64 U	0.74 U	0.76 U	0.84 U	1.1 UJ
Chlorobenzene	280,000	100,000	0.85 UJ	0.72 U	0.84 U	0.86 U	0.95 U	1.3 UJ
Ethyl benzene	580,000	30,000	0.92 UJ	0.78 U	0.91 U	0.93 U	1 U	1.4 UJ
m,p-Xylenes*	NS**	100,000	1.8 UJ	1.5 U	1.8 U	1.8 U	2 U	2.7 UJ
o-Xylene*	650,000	100,000	1.2 UJ	1 U	1.2 U	1.2 U	1.3 U	1.8 UJ
Styrene	6,000,000	NS	1.1 UJ	0.91 U	1.1 U	1.1 U	1.2 U	1.6 UJ
Bromoform	1,600,000	NS	3.5 UJ	3 U	3.5 U	3.6 U	3.9 U	5.3 UJ
Isopropylbenzene	1,900,000	NS	0.94 UJ	0.79 UJ	0.92 UJ	0.95 UJ	1 UJ	1.4 UJ
1,1,2,2-Tetrachloroethane	60,000	NS	1.2 UJ	1 UJ	1.2 UJ	1.2 UJ	1.3 UJ	1.8 UJ
1,3-Dichlorobenzene	NS	17,000	1.2 UJ	0.98 UJ	1.1 UJ	1.2 UJ	1.3 UJ	1.7 UJ
1,4-Dichlorobenzene	260,000	9,800	1.1 UJ	0.97 UJ	1.1 UJ	1.2 UJ	1.3 UJ	1.7 UJ
1,2-Dichlorobenzene	1,800,000	100,000	1.4 UJ	1.2 UJ	1.4 UJ	1.4 UJ	1.5 UJ	2.1 UJ
1,2-Dibromo-3-chloropropane	530	NS	3.6 UJ	3 UJ	3.5 UJ	3.6 UJ	4 UJ	5.4 UJ
1,2,4-Trichlorobenzene	58,000	NS	1.2 UJ	1 UJ	1.2 UJ	1.2 UJ	1.3 UJ	1.8 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.4 UJ	1.2 UJ	1.4 UJ	1.4 UJ	1.5 UJ	2.1 UJ

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.1 UJ	0.98 U	1.1 U	0.89 UJ	1.1 U	0.99 U
Chloromethane	110,000	NS	2.1 UJ	1.9 U	2.1 U	1.7 UJ	2.2 U	1.9 U
Vinyl chloride	5,900	210	1.3 UJ	1.2 U	1.3 U	1.1 UJ	1.4 U	1.2 U
Bromomethane	6,800	NS	0.45 UJ	0.41 U	0.44 U	0.37 UJ	0.48 U	0.41 U
Chloroethane	14,000,000	NS	0.68 UJ	0.62 U	0.67 U	0.56 UJ	0.73 U	0.63 U
Trichlorofluoromethane	23,000,000	NS	0.76 UJ	0.69 U	0.76 U	0.63 UJ	0.81 U	0.7 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.95 UJ	0.86 U	0.94 U	0.78 UJ	1 U	0.87 U
1,1-Dichloroethene	230,000	100,000	1.2 UJ	1.1 U	1.2 U	0.97 UJ	1.3 U	1.1 U
Acetone	61,000,000	100,000	**56.7 J**	8.2 U	9 U	7.5 UJ	9.7 U	8.4 U
Carbon disulfide	770,000	NS	1.3 UJ	1.2 U	1.3 U	1 UJ	1.4 U	1.2 U
Methyl tert-butyl ether	4,700,000	62,000	1.6 UJ	1.5 U	1.6 U	1.4 UJ	1.8 U	1.5 U
Methyl acetate	78,000,000	NS	3.3 UJ	3 U	3.3 U	2.8 UJ	3.5 U	3.1 U
Methylene chloride	350,000	51,000	6.1 UJ	5.6 U	6.1 U	5.1 UJ	6.6 U	5.7 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.5 UJ	1.4 U	1.5 U	1.2 UJ	1.6 U	1.4 U
1,1-Dichloroethane	360,000	19,000	1.1 UJ	0.98 U	1.1 U	0.89 UJ	1.1 U	0.99 U
Cyclohexane	6,500,000	NS	2.1 UJ	1.9 U	2.1 U	1.8 UJ	2.3 U	2 U
2-Butanone	27,000,000	100,000	7.9 UJ	7.2 U	7.8 U	6.5 UJ	8.4 U	7.3 U
Carbon tetrachloride	65,000	1,400	0.98 U	0.89 U	0.97 U	0.81 UJ	1 U	0.9 U
cis-1,2-Dichloroethene	160,000	59,000	1.2 UJ	1.1 U	1.2 U	0.96 UJ	1.2 U	1.1 U
Bromochloromethane	150,000	NS	1.4 UJ	1.3 U	1.4 U	1.2 UJ	1.5 U	1.3 U
Chloroform	32,000	10,000	1 UJ	0.93 U	1 U	0.84 UJ	1.1 U	0.94 U
1,1,1-Trichloroethane	8,100,000	100,000	1.3 UJ	1.1 U	1.2 U	1 UJ	1.3 U	1.2 U
Methylcyclohexane	NS	NS	1.4 U	1.3 U	1.4 U	1.2 UJ	1.5 U	1.3 U
Benzene	82,000	2,900	0.99 U	0.9 U	0.98 U	0.82 UJ	1.1 U	0.91 U
1,2-Dichloroethane	31,000	2,300	1.4 U	1.3 U	1.4 U	1.2 UJ	1.5 U	1.3 U
Trichloroethene	4,100	10,000	1.1 U	1 U	1.1 U	0.91 UJ	1.2 U	1 U
1,2-Dichloropropane	16,000	NS	1.5 U	1.3 U	1.5 U	1.2 UJ	1.6 U	1.4 U
Bromodichloromethane	29,000	NS	1.2 U	1.1 U	1.2 U	0.97 UJ	1.3 U	1.1 U
4-Methyl-2-pentanone	33,000,000	NS	6.6 U	6 U	6.6 U	5.5 UJ	7.1 U	6.1 U
Toluene	4,900,000	100,000	1.2 U	1 U	1.1 U	0.95 UJ	1.2 U	1.1 U
trans-1,3-Dichloropropene	NS	NS	1.2 U	1.1 U	1.2 U	0.98 UJ	1.3 U	1.1 U
cis-1,3-Dichloropropene	NS	NS	1.3 U	1.2 U	1.3 U	1 UJ	1.3 U	1.2 U
1,1,2-Trichloroethane	1,500	NS	1.7 U	1.5 U	1.7 U	1.4 UJ	1.8 U	1.6 U
2-Hexanone	200,000	NS	8.7 U	7.9 U	8.7 U	7.2 UJ	9.3 U	8 U
Dibromochloromethane	830,000	NS	1.6 U	1.4 U	1.5 U	1.3 UJ	1.7 U	1.4 U
1,2-Dibromoethane	3,600	NS	1.5 U	1.4 U	1.5 U	1.3 UJ	1.6 U	1.4 U
Tetrachloroethene	81,000	5,500	0.82 UJ	0.75 U	0.82 U	0.68 UJ	0.88 U	0.76 U
Chlorobenzene	280,000	100,000	0.93 UJ	0.85 U	0.92 U	0.77 UJ	0.99 U	0.86 U
Ethyl benzene	580,000	30,000	1 UJ	0.92 U	1 U	0.84 UJ	1.1 U	0.93 U
m,p-Xylenes*	NS**	100,000	2 UJ	1.8 U	1.9 U	1.6 UJ	2.1 U	1.8 U
o-Xylene*	650,000	100,000	1.3 UJ	1.2 U	1.3 U	1.1 UJ	1.4 U	1.2 U
Styrene	6,000,000	NS	1.2 UJ	1.1 U	1.2 U	0.97 UJ	1.2 U	1.1 U
Bromoform	1,600,000	NS	3.9 UJ	3.5 U	3.8 U	3.2 UJ	4.1 U	3.6 U
Isopropylbenzene	1,900,000	NS	1 UJ	0.93 U	1 U	**3.8 J+**	1.1 U	0.94 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.3 UJ	1.2 U	1.3 U	1.1 UJ	1.4 U	1.2 U
1,3-Dichlorobenzene	NS	17,000	1.3 UJ	1.1 U	1.2 U	1 UJ	1.3 U	1.2 U
1,4-Dichlorobenzene	260,000	9,800	1.2 UJ	1.1 U	1.2 U	1 UJ	1.3 U	1.1 U
1,2-Dichlorobenzene	1,800,000	100,000	1.5 UJ	1.4 U	1.5 U	1.2 UJ	1.6 U	1.4 U
1,2-Dibromo-3-chloropropane	530	NS	3.9 UJ	3.6 U	3.9 U	3.3 UJ	4.2 U	3.6 U
1,2,4-Trichlorobenzene	58,000	NS	1.3 UJ	1.2 U	1.3 U	1.1 UJ	1.4 U	1.2 U
1,2,3-Trichlorobenzene	63,000	NS	1.5 UJ	1.4 U	1.5 U	1.2 UJ	1.6 U	1.4 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS004-0612-01	P021-SS004-1218-01	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.78 U	0.87 U	0.84 U	1 U	0.93 U	0.76 U
Chloromethane	110,000	NS	1.5 U	1.7 U	1.7 U	2.1 U	1.8 U	1.5 U
Vinyl chloride	5,900	210	0.96 U	1.1 U	1 U	1.3 U	1.1 U	0.94 U
Bromomethane	6,800	NS	0.33 U	0.36 UJ	0.35 UJ	0.44 U	0.39 U	0.32 U
Chloroethane	14,000,000	NS	0.49 U	0.55 UJ	0.54 UJ	0.66 U	0.59 U	0.48 U
Trichlorofluoromethane	23,000,000	NS	0.56 U	0.62 UJ	0.6 UJ	0.74 U	0.66 U	0.54 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.69 U	0.76 U	0.75 U	0.92 U	0.82 U	0.67 U
1,1-Dichloroethene	230,000	100,000	0.85 U	0.95 U	0.92 U	1.1 U	1 U	0.83 U
Acetone	61,000,000	100,000	6.6 U	**16.3 J**	**10.2 J**	**120**	**29.3**	6.5 U
Carbon disulfide	770,000	NS	0.92 U	1 U	1 U	1.2 U	1.1 U	0.9 U
Methyl tert-butyl ether	4,700,000	62,000	1.2 U	1.3 U	1.3 U	1.6 U	1.4 U	1.2 U
Methyl acetate	78,000,000	NS	2.4 U	2.7 U	2.6 U	3.2 U	2.9 U	2.4 U
Methylene chloride	350,000	51,000	4.5 U	5 U	4.8 U	6 U	5.3 U	4.4 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.1 U	1.2 U	1.2 U	1.5 U	1.3 U	1.1 U
1,1-Dichloroethane	360,000	19,000	0.78 U	0.87 U	0.85 U	1 U	0.93 U	0.77 U
Cyclohexane	6,500,000	NS	1.5 U	1.7 U	1.7 U	2.1 U	1.8 U	1.5 U
2-Butanone	27,000,000	100,000	5.7 U	6.4 U	6.2 U	7.7 U	6.8 U	5.6 U
Carbon tetrachloride	65,000	1,400	0.71 U	0.79 UJ	0.77 UJ	0.95 UJ	0.84 UJ	0.69 UJ
cis-1,2-Dichloroethene	160,000	59,000	0.85 U	0.94 U	0.92 U	1.1 U	1 U	0.83 U
Bromochloromethane	150,000	NS	1 U	1.1 UJ	1.1 UJ	1.4 U	1.2 U	1 U
Chloroform	32,000	10,000	0.74 U	0.82 UJ	0.8 UJ	1 U	0.88 U	0.73 U
1,1,1-Trichloroethane	8,100,000	100,000	0.91 U	1 UJ	0.98 UJ	1.2 U	1.1 U	0.89 U
Methylcyclohexane	NS	NS	1 U	1.1 U	1.1 U	1.4 U	1.2 U	0.99 U
Benzene	82,000	2,900	0.72 U	0.8 U	0.78 U	0.97 U	0.86 U	0.71 U
1,2-Dichloroethane	31,000	2,300	1 U	1.1 UJ	1.1 UJ	1.4 U	1.2 U	1 U
Trichloroethene	4,100	10,000	0.8 U	0.89 U	0.87 U	1.1 U	0.95 U	0.78 U
1,2-Dichloropropane	16,000	NS	1.1 U	1.2 U	1.2 U	1.4 U	1.3 U	1 U
Bromodichloromethane	29,000	NS	0.85 U	0.95 U	0.92 U	1.1 U	1 U	0.84 U
4-Methyl-2-pentanone	33,000,000	NS	4.8 U	5.3 U	5.2 U	6.4 U	5.7 U	4.7 U
Toluene	4,900,000	100,000	0.84 U	0.93 U	0.91 U	1.1 U	1 U	0.82 U
trans-1,3-Dichloropropene	NS	NS	0.87 U	0.96 U	0.94 U	1.2 U	1 U	0.85 U
cis-1,3-Dichloropropene	NS	NS	0.92 U	1 U	1 U	1.2 U	1.1 U	0.9 U
1,1,2-Trichloroethane	1,500	NS	1.2 U	1.4 U	1.3 U	1.6 U	1.5 U	1.2 U
2-Hexanone	200,000	NS	6.3 U	7 U	6.9 U	8.5 U	7.5 U	6.2 U
Dibromochloromethane	830,000	NS	1.1 U	1.3 U	1.2 U	1.5 U	1.3 U	1.1 U
1,2-Dibromoethane	3,600	NS	1.1 U	1.2 U	1.2 U	1.5 U	1.3 U	1.1 U
Tetrachloroethene	81,000	5,500	0.6 U	0.66 U	0.65 U	0.8 U	0.71 U	0.59 U
Chlorobenzene	280,000	100,000	0.68 U	0.75 U	0.73 U	0.91 U	0.81 U	0.66 U
Ethyl benzene	580,000	30,000	0.73 U	0.81 U	0.79 U	0.98 U	0.87 U	0.72 U
m,p-Xylenes*	NS**	100,000	1.4 U	1.6 U	1.5 U	1.9 U	1.7 U	1.4 U
o-Xylene*	650,000	100,000	0.94 U	1 U	1 U	1.3 U	1.1 U	0.92 U
Styrene	6,000,000	NS	0.85 U	0.95 U	0.92 U	1.1 U	1 U	0.83 U
Bromoform	1,600,000	NS	2.8 U	3.1 U	3.1 U	3.8 U	3.4 U	2.8 U
Isopropylbenzene	1,900,000	NS	0.74 U	0.83 U	0.8 U	1 U	0.89 U	0.73 U
1,1,2,2-Tetrachloroethane	60,000	NS	0.93 U	1 U	1 U	1.3 U	1.1 U	0.91 U
1,3-Dichlorobenzene	NS	17,000	0.92 U	1 U	0.99 U	1.2 U	1.1 U	0.9 U
1,4-Dichlorobenzene	260,000	9,800	0.91 U	1 U	0.98 U	1.2 U	1.1 U	0.89 U
1,2-Dichlorobenzene	1,800,000	100,000	1.1 U	1.2 U	1.2 U	1.5 U	1.3 U	1.1 U
1,2-Dibromo-3-chloropropane	530	NS	2.9 U	3.2 U	3.1 U	3.8 U	3.4 U	2.8 U
1,2,4-Trichlorobenzene	58,000	NS	0.96 U	1.1 U	1 U	1.3 U	1.1 U	0.94 U
1,2,3-Trichlorobenzene	63,000	NS	1.1 U	1.2 U	1.2 U	1.5 U	1.3 U	1.1 U

Notes:
START V - Superfund Technical Assessment & Response Team V
TCL - Target Compound List
VOC - Volatile Organic Compound
J - Estimated value
J+ - Estimated value with a high bias
U - Not detected
R - Rejected
B - Analyte found in associated method blank
NS - Not Specified
NA - Not Applicable
[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018
[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006
All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)
*RUSCO based on value for total xylenes
**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene
Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01	P021-SS006-1218-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.76 U	0.81 U	1.1 U	1 U	0.8 U	0.7 U
Chloromethane	110,000	NS	1.5 U	1.6 U	2.2 U	2 U	1.6 U	1.4 U
Vinyl chloride	5,900	210	0.93 U	0.99 U	1.4 U	1.2 U	0.98 U	0.86 U
Bromomethane	6,800	NS	0.32 U	0.34 U	0.46 U	0.42 U	0.33 U	0.29 U
Chloroethane	14,000,000	NS	0.48 U	0.51 U	0.71 U	0.63 U	0.51 U	0.45 U
Trichlorofluoromethane	23,000,000	NS	0.54 U	0.58 U	0.79 U	0.71 U	0.57 U	0.5 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.67 U	0.72 U	0.98 U	0.88 U	0.71 U	0.62 U
1,1-Dichloroethene	230,000	100,000	0.83 U	0.89 U	1.2 U	1.1 U	0.88 U	0.77 U
Acetone	61,000,000	100,000	6.4 U	6.9 U	**66.7**	8.5 U	6.8 U	6 U
Carbon disulfide	770,000	NS	0.9 U	0.96 U	1.3 U	1.2 U	0.95 U	0.83 U
Methyl tert-butyl ether	4,700,000	62,000	1.2 U	1.2 U	1.7 U	1.5 U	1.2 U	1.1 U
Methyl acetate	78,000,000	NS	2.4 U	2.5 U	3.5 U	3.1 U	2.5 U	2.2 U
Methylene chloride	350,000	51,000	4.3 U	4.6 U	6.4 U	5.7 U	4.6 U	4 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.1 U	1.1 U	1.5 U	1.4 U	1.1 U	0.98 U
1,1-Dichloroethane	360,000	19,000	0.76 U	0.81 U	1.1 U	1 U	0.8 U	0.71 U
Cyclohexane	6,500,000	NS	1.5 U	1.6 U	2.2 U	2 U	1.6 U	1.4 U
2-Butanone	27,000,000	100,000	5.6 U	6 U	8.2 U	7.4 U	5.9 U	5.2 U
Carbon tetrachloride	65,000	1,400	0.69 UJ	0.74 UJ	1 UJ	0.91 UJ	0.73 UJ	0.64 UJ
cis-1,2-Dichloroethene	160,000	59,000	0.83 U	0.88 U	1.2 U	1.1 U	0.87 U	0.77 U
Bromochloromethane	150,000	NS	1 U	1.1 U	1.5 U	1.3 U	1.1 U	0.93 U
Chloroform	32,000	10,000	0.72 U	0.77 U	1.1 U	0.95 U	0.76 U	0.67 U
1,1,1-Trichloroethane	8,100,000	100,000	0.89 U	0.95 U	1.3 U	1.2 U	0.93 U	0.82 U
Methylcyclohexane	NS	NS	0.99 U	1.1 U	1.4 U	1.3 U	1 U	0.92 U
Benzene	82,000	2,900	0.7 U	0.75 U	1 U	0.92 U	0.74 U	0.65 U
1,2-Dichloroethane	31,000	2,300	1 U	1.1 U	1.5 U	1.3 U	1.1 U	0.93 U
Trichloroethene	4,100	10,000	0.78 U	0.83 U	1.1 U	1 U	0.82 U	0.72 U
1,2-Dichloropropane	16,000	NS	1 U	1.1 U	1.5 U	1.4 U	1.1 U	0.97 U
Bromodichloromethane	29,000	NS	0.83 U	0.89 U	1.2 U	1.1 U	0.88 U	0.77 U
4-Methyl-2-pentanone	33,000,000	NS	4.7 U	5 U	6.9 U	6.2 U	4.9 U	4.3 U
Toluene	4,900,000	100,000	0.82 U	0.87 U	1.2 U	1.1 U	0.86 U	0.76 U
trans-1,3-Dichloropropene	NS	NS	0.84 U	0.9 U	1.2 U	1.1 U	0.89 U	0.78 U
cis-1,3-Dichloropropene	NS	NS	0.9 U	0.96 U	1.3 U	1.2 U	0.95 U	0.83 U
1,1,2-Trichloroethane	1,500	NS	1.2 U	1.3 U	1.7 U	1.6 U	1.3 U	1.1 U
2-Hexanone	200,000	NS	6.2 U	6.6 U	9.1 U	8.1 U	6.5 U	5.7 U
Dibromochloromethane	830,000	NS	1.1 U	1.2 U	1.6 U	1.4 U	1.2 U	1 U
1,2-Dibromoethane	3,600	NS	1.1 U	1.2 U	1.6 U	1.4 U	1.1 U	1 U
Tetrachloroethene	81,000	5,500	0.58 U	0.62 U	0.85 U	0.77 U	0.61 U	0.54 U
Chlorobenzene	280,000	100,000	0.66 U	0.7 U	0.97 U	0.87 U	0.7 U	0.61 U
Ethyl benzene	580,000	30,000	0.71 U	0.76 U	1 U	0.94 U	0.75 U	0.66 U
m,p-Xylenes*	NS**	100,000	1.4 U	1.5 U	2 U	1.8 U	1.5 U	1.3 U
o-Xylene*	650,000	100,000	0.92 U	0.98 U	1.3 U	1.2 U	0.97 U	0.85 U
Styrene	6,000,000	NS	0.83 U	0.89 U	1.2 U	1.1 U	0.87 U	0.77 U
Bromoform	1,600,000	NS	2.7 U	2.9 U	4 U	3.6 U	2.9 U	2.5 U
Isopropylbenzene	1,900,000	NS	0.72 U	0.77 U	1.1 U	0.95 U	0.76 U	0.67 U
1,1,2,2-Tetrachloroethane	60,000	NS	0.91 U	0.97 U	1.3 U	1.2 U	0.96 U	0.84 U
1,3-Dichlorobenzene	NS	17,000	0.89 U	0.95 U	1.3 U	1.2 U	0.94 U	0.83 U
1,4-Dichlorobenzene	260,000	9,800	0.88 U	0.94 U	1.3 U	1.2 U	0.93 U	0.82 U
1,2-Dichlorobenzene	1,800,000	100,000	1.1 U	1.1 U	1.6 U	1.4 U	1.1 U	0.98 U
1,2-Dibromo-3-chloropropane	530	NS	2.8 U	3 U	4.1 U	3.7 U	2.9 U	2.6 U
1,2,4-Trichlorobenzene	58,000	NS	0.93 U	0.99 U	1.4 U	1.2 U	0.98 U	0.86 U
1,2,3-Trichlorobenzene	63,000	NS	1.1 U	1.1 U	1.6 U	1.4 U	1.1 U	0.99 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01	P021-SS007-1218-01	P021-SS007-1824-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.76 U	0.93 U	1 U	0.9 U	0.85 U	0.91 U
Chloromethane	110,000	NS	1.5 U	1.8 U	2 U	1.8 U	1.7 U	1.8 U
Vinyl chloride	5,900	210	0.93 U	1.1 U	1.3 U	1.1 U	1 U	1.1 U
Bromomethane	6,800	NS	0.32 U	0.39 UJ	0.43 UJ	0.37 U	0.35 U	0.38 U
Chloroethane	14,000,000	NS	0.48 U	0.59 UJ	0.65 UJ	0.57 U	0.54 U	0.58 U
Trichlorofluoromethane	23,000,000	NS	0.54 U	0.66 UJ	0.73 UJ	0.64 U	0.61 U	0.65 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.67 U	0.82 U	0.9 U	0.79 U	0.75 U	0.8 U
1,1-Dichloroethene	230,000	100,000	0.83 U	1 U	1.1 U	0.98 U	0.93 U	0.99 U
Acetone	61,000,000	100,000	6.4 U	**23.5 J**	**17.9 J**	**40.9**	7.2 U	7.7 U
Carbon disulfide	770,000	NS	0.9 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
Methyl tert-butyl ether	4,700,000	62,000	1.2 U	1.4 U	1.6 U	1.4 U	1.3 U	1.4 U
Methyl acetate	78,000,000	NS	2.4 U	2.9 U	3.2 U	2.8 U	2.6 U	2.8 U
Methylene chloride	350,000	51,000	4.4 U	5.3 U	5.9 U	5.2 U	4.9 U	5.2 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.1 U	1.3 U	1.4 U	1.2 U	1.2 U	1.3 U
1,1-Dichloroethane	360,000	19,000	0.76 U	0.93 U	1 U	0.9 U	0.85 U	0.91 U
Cyclohexane	6,500,000	NS	1.5 U	1.8 U	2 U	1.8 U	1.7 U	1.8 U
2-Butanone	27,000,000	100,000	5.6 U	6.8 U	7.5 U	6.6 U	6.3 U	6.7 U
Carbon tetrachloride	65,000	1,400	0.69 UJ	0.84 UJ	0.93 UJ	0.82 U	0.77 U	0.83 U
cis-1,2-Dichloroethene	160,000	59,000	0.83 U	1 U	1.1 U	0.98 U	0.92 U	0.99 U
Bromochloromethane	150,000	NS	1 U	1.2 UJ	1.3 UJ	1.2 U	1.1 U	1.2 U
Chloroform	32,000	10,000	0.72 U	0.88 UJ	0.97 UJ	0.86 U	0.81 U	0.86 U
1,1,1-Trichloroethane	8,100,000	100,000	0.89 U	1.1 UJ	1.2 UJ	1 U	0.99 U	1.1 U
Methylcyclohexane	NS	NS	0.99 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U
Benzene	82,000	2,900	0.7 U	0.86 U	0.95 U	0.83 U	0.79 U	0.84 U
1,2-Dichloroethane	31,000	2,300	1 U	1.2 UJ	1.4 UJ	1.2 U	1.1 U	1.2 U
Trichloroethene	4,100	10,000	0.78 U	0.95 U	1.1 U	0.92 U	0.87 U	0.93 U
1,2-Dichloropropane	16,000	NS	1 U	1.3 U	1.4 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	29,000	NS	0.83 U	1 U	1.1 U	0.98 U	0.93 U	0.99 U
4-Methyl-2-pentanone	33,000,000	NS	4.7 U	5.7 U	6.3 U	5.5 U	5.2 U	5.6 U
Toluene	4,900,000	100,000	0.82 U	0.99 U	1.1 U	0.97 U	0.91 U	0.98 U
trans-1,3-Dichloropropene	NS	NS	0.84 U	1 U	1.1 U	1 U	0.94 U	1 U
cis-1,3-Dichloropropene	NS	NS	0.9 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
1,1,2-Trichloroethane	1,500	NS	1.2 U	1.5 U	1.6 U	1.4 U	1.3 U	1.4 U
2-Hexanone	200,000	NS	6.2 U	7.5 U	8.3 U	7.3 U	6.9 U	7.4 U
Dibromochloromethane	830,000	NS	1.1 U	1.3 U	1.5 U	1.3 U	1.2 U	1.3 U
1,2-Dibromoethane	3,600	NS	1.1 U	1.3 U	1.5 U	1.3 U	1.2 U	1.3 U
Tetrachloroethene	81,000	5,500	0.58 U	0.71 U	0.78 U	0.69 U	0.65 U	0.7 U
Chlorobenzene	280,000	100,000	0.66 U	0.8 U	0.89 U	0.78 U	0.74 U	0.79 U
Ethyl benzene	580,000	30,000	0.72 U	0.87 U	0.96 U	0.85 U	0.8 U	0.85 U
m,p-Xylenes*	NS**	100,000	1.4 U	1.7 U	1.9 U	1.6 U	1.6 U	1.7 U
o-Xylene*	650,000	100,000	0.92 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
Styrene	6,000,000	NS	0.83 U	1 U	1.1 U	0.98 U	0.93 U	0.99 U
Bromoform	1,600,000	NS	2.7 U	3.3 U	3.7 U	3.3 U	3.1 U	3.3 U
Isopropylbenzene	1,900,000	NS	0.73 U	0.88 UJ	0.98 UJ	0.86 U	0.81 U	0.87 U
1,1,2,2-Tetrachloroethane	60,000	NS	0.91 U	1.1 UJ	1.2 UJ	1.1 U	1 U	1.1 U
1,3-Dichlorobenzene	NS	17,000	0.89 U	1.1 UJ	1.2 UJ	1.1 U	1 U	1.1 U
1,4-Dichlorobenzene	260,000	9,800	0.88 U	1.1 UJ	1.2 UJ	1 U	0.99 U	1.1 U
1,2-Dichlorobenzene	1,800,000	100,000	1.1 U	1.3 UJ	1.4 UJ	1.3 U	1.2 U	1.3 U
1,2-Dibromo-3-chloropropane	530	NS	2.8 U	3.4 UJ	3.8 UJ	3.3 U	3.1 U	3.3 U
1,2,4-Trichlorobenzene	58,000	NS	0.93 U	1.1 UJ	1.3 UJ	1.1 U	1 U	1.1 U
1,2,3-Trichlorobenzene	63,000	NS	1.1 U	1.3 UJ	1.4 UJ	1.3 U	1.2 U	1.3 U

Notes:
START V - Superfund Technical Assessment & Response Team V
TCL - Target Compound List
VOC - Volatile Organic Compound
J - Estimated value
J+ - Estimated value with a high bias
U - Not detected
R - Rejected
B - Analyte found in associated method blank
NS - Not Specified
NA - Not Applicable
[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018
[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006
All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)
*RUSCO based on value for total xylenes
**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene
Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS008-0002-01	P021-SS008-0206-01	P021-SS008-0206-02	P021-SS008-0612-01	P021-SS008-1218-01	P021-SS008-1824-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			0-2	2-6	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.2 U	0.86 U	1 UJ	0.87 U	1.1 UJ	0.95 U
Chloromethane	110,000	NS	2.3 U	1.7 U	2 UJ	1.7 U	2.1 UJ	1.9 U
Vinyl chloride	5,900	210	1.4 U	1.1 U	1.3 UJ	1.1 U	1.3 UJ	1.2 U
Bromomethane	6,800	NS	0.49 U	0.36 U	0.43 UJ	0.36 UJ	0.45 UJ	0.39 U
Chloroethane	14,000,000	NS	0.74 U	0.55 U	0.66 UJ	0.55 UJ	0.68 UJ	0.6 U
Trichlorofluoromethane	23,000,000	NS	0.83 U	0.61 U	0.74 UJ	0.62 UJ	0.77 UJ	0.67 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	1 U	0.76 U	0.92 UJ	0.77 U	0.95 UJ	0.83 U
1,1-Dichloroethene	230,000	100,000	1.3 U	0.94 U	1.1 UJ	0.95 U	1.2 UJ	1 U
Acetone	61,000,000	100,000	**350**	7.3 U	8.8 UJ	7.4 UJ	9.1 UJ	8 U
Carbon disulfide	770,000	NS	1.4 U	1 U	1.2 UJ	1 U	1.3 UJ	1.1 U
Methyl tert-butyl ether	4,700,000	62,000	1.8 U	1.3 U	1.6 UJ	1.3 U	1.7 UJ	1.5 U
Methyl acetate	78,000,000	NS	3.6 U	2.7 U	3.2 UJ	2.7 U	3.3 UJ	2.9 U
Methylene chloride	350,000	51,000	6.7 U	4.9 U	6 UJ	5 U	6.2 UJ	5.4 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.6 U	1.2 U	1.4 UJ	1.2 U	1.5 UJ	1.3 U
1,1-Dichloroethane	360,000	19,000	1.2 U	0.87 U	1 UJ	0.87 U	1.1 UJ	0.95 U
Cyclohexane	6,500,000	NS	2.3 U	1.7 U	2.1 UJ	1.7 U	2.1 UJ	1.9 U
2-Butanone	27,000,000	100,000	**22 J**	6.3 U	7.7 UJ	6.4 U	7.9 UJ	6.9 U
Carbon tetrachloride	65,000	1,400	1.1 U	0.78 U	0.95 UJ	0.79 UJ	0.98 UJ	0.86 U
cis-1,2-Dichloroethene	160,000	59,000	1.3 U	0.94 U	1.1 UJ	0.95 U	1.2 UJ	1 U
Bromochloromethane	150,000	NS	1.5 U	1.1 U	1.4 UJ	1.1 UJ	1.4 UJ	1.2 U
Chloroform	32,000	10,000	1.1 U	0.82 U	0.99 UJ	0.83 U	1 UJ	0.9 U
1,1,1-Trichloroethane	8,100,000	100,000	1.4 U	1 U	1.2 UJ	1 U	1.3 UJ	1.1 U
Methylcyclohexane	NS	NS	1.5 U	1.1 U	1.4 UJ	1.1 U	1.4 U	1.2 U
Benzene	82,000	2,900	1.1 U	0.8 U	0.96 UJ	0.8 U	1 U	0.87 U
1,2-Dichloroethane	31,000	2,300	1.5 U	1.1 U	1.4 UJ	1.2 U	1.4 U	1.2 U
Trichloroethene	4,100	10,000	1.2 U	0.89 U	1.1 UJ	0.89 U	1.1 U	0.97 U
1,2-Dichloropropane	16,000	NS	1.6 U	1.2 U	1.4 UJ	1.2 U	1.5 U	1.3 U
Bromodichloromethane	29,000	NS	1.3 U	0.94 U	1.1 UJ	0.95 UJ	1.2 UJ	1 U
4-Methyl-2-pentanone	33,000,000	NS	7.2 U	5.3 U	6.4 UJ	5.4 U	6.7 U	5.8 U
Toluene	4,900,000	100,000	1.3 U	0.93 U	1.1 UJ	0.94 U	1.2 U	1 U
trans-1,3-Dichloropropene	NS	NS	1.3 U	0.96 U	1.2 UJ	0.97 U	1.2 U	1 U
cis-1,3-Dichloropropene	NS	NS	1.4 U	1 U	1.2 UJ	1 U	1.3 U	1.1 U
1,1,2-Trichloroethane	1,500	NS	1.8 U	1.4 U	1.6 UJ	1.4 U	1.7 U	1.5 U
2-Hexanone	200,000	NS	9.5 U	7 U	8.5 UJ	7.1 U	8.8 U	7.7 U
Dibromochloromethane	830,000	NS	1.7 U	1.2 U	1.5 UJ	1.3 U	1.6 U	1.4 U
1,2-Dibromoethane	3,600	NS	1.7 U	1.2 U	1.5 UJ	1.2 U	1.5 U	1.4 U
Tetrachloroethene	81,000	5,500	0.89 U	0.66 U	0.8 UJ	0.67 U	0.83 U	0.72 U
Chlorobenzene	280,000	100,000	1 U	0.75 U	0.9 UJ	0.76 U	0.94 U	0.82 U
Ethyl benzene	580,000	30,000	**3.6 J**	0.81 U	0.98 UJ	0.82 U	1 U	0.89 U
m,p-Xylenes*	NS**	100,000	2.1 U	1.6 U	1.9 UJ	1.6 U	2 U	1.7 U
o-Xylene*	650,000	100,000	1.4 U	1 U	1.3 UJ	1.1 U	1.3 U	1.1 U
Styrene	6,000,000	NS	1.3 U	0.94 U	1.1 UJ	**1.5 J**	1.2 U	**1.9 J**
Bromoform	1,600,000	NS	4.2 U	3.1 U	3.8 UJ	3.1 U	3.9 U	3.4 U
Isopropylbenzene	1,900,000	NS	1.1 UJ	0.82 U	0.99 UJ	0.83 U	1 U	0.9 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.4 UJ	1 U	1.2 UJ	1 U	1.3 U	1.1 U
1,3-Dichlorobenzene	NS	17,000	1.4 UJ	1 U	1.2 UJ	1 U	1.3 U	1.1 U
1,4-Dichlorobenzene	260,000	9,800	1.4 UJ	1 U	1.2 UJ	1 U	1.3 U	1.1 U
1,2-Dichlorobenzene	1,800,000	100,000	1.6 UJ	1.2 U	1.5 UJ	1.2 U	1.5 U	1.3 U
1,2-Dibromo-3-chloropropane	530	NS	4.3 UJ	3.2 U	3.8 UJ	3.2 U	4 U	3.5 U
1,2,4-Trichlorobenzene	58,000	NS	1.4 UJ	1.1 U	1.3 UJ	1.1 U	1.3 U	1.2 U
1,2,3-Trichlorobenzene	63,000	NS	1.6 UJ	1.2 U	1.5 UJ	1.2 UJ	1.5 UJ	1.3 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS009-0002-01	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			0-2	2-6	6-12	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	R	0.93 UJ	0.98 U	1.2 U	1.2 U	0.92 U
Chloromethane	110,000	NS	R	1.8 UJ	1.9 U	2.3 U	2.4 U	1.8 U
Vinyl chloride	5,900	210	R	1.1 UJ	1.2 U	1.4 U	1.5 U	1.1 U
Bromomethane	6,800	NS	R	0.39 UJ	0.41 U	0.48 UJ	0.51 U	0.38 U
Chloroethane	14,000,000	NS	R	0.59 UJ	0.62 U	0.73 UJ	0.78 U	0.58 U
Trichlorofluoromethane	23,000,000	NS	R	0.66 UJ	0.7 U	0.82 UJ	0.87 U	0.65 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	R	0.82 UJ	0.87 U	1 U	1.1 U	0.81 U
1,1-Dichloroethene	230,000	100,000	R	1 UJ	1.1 U	1.3 U	1.3 U	1 U
Acetone	61,000,000	100,000	**330 J+**	7.8 UJ	8.3 U	9.8 UJ	10.3 U	7.8 U
Carbon disulfide	770,000	NS	R	1.1 UJ	1.2 U	1.4 U	1.4 U	1.1 U
Methyl tert-butyl ether	4,700,000	62,000	R	1.4 UJ	1.5 U	1.8 U	1.9 U	1.4 U
Methyl acetate	78,000,000	NS	R	2.9 UJ	3 U	3.6 U	3.8 U	2.8 U
Methylene chloride	350,000	51,000	R	5.3 UJ	5.6 U	6.6 U	7 U	5.3 U
trans-1,2-Dichloroethene	1,600,000	100,000	R	1.3 UJ	1.4 U	1.6 U	1.7 U	1.3 U
1,1-Dichloroethane	360,000	19,000	R	0.93 UJ	0.98 U	1.2 U	1.2 U	0.92 U
Cyclohexane	6,500,000	NS	R	1.8 UJ	1.9 U	2.3 U	2.4 U	1.8 U
2-Butanone	27,000,000	100,000	R	6.8 UJ	7.2 U	8.5 U	9 U	6.8 U
Carbon tetrachloride	65,000	1,400	R	0.84 UJ	0.89 U	1.1 UJ	1.1 U	0.84 U
cis-1,2-Dichloroethene	160,000	59,000	R	1 UJ	1.1 U	1.3 U	1.3 U	1 U
Bromochloromethane	150,000	NS	R	1.2 UJ	1.3 U	1.5 U	1.6 U	1.2 U
Chloroform	32,000	10,000	R	0.88 UJ	0.93 U	1.1 UJ	1.2 U	0.87 U
1,1,1-Trichloroethane	8,100,000	100,000	R	1.1 UJ	1.1 U	1.3 U	1.4 U	1.1 U
Methylcyclohexane	NS	NS	R	1.2 UJ	1.3 U	1.5 U	1.6 U	1.2 U
Benzene	82,000	2,900	R	0.86 UJ	0.91 U	1.1 U	1.1 U	0.85 U
1,2-Dichloroethane	31,000	2,300	R	1.2 UJ	1.3 U	1.5 U	1.6 U	1.2 U
Trichloroethene	4,100	10,000	R	0.95 UJ	1 U	1.2 U	1.3 U	0.94 U
1,2-Dichloropropane	16,000	NS	R	1.3 UJ	1.3 U	1.6 U	1.7 U	1.3 U
Bromodichloromethane	29,000	NS	R	1 UJ	1.1 U	1.3 UJ	1.3 U	1 U
4-Methyl-2-pentanone	33,000,000	NS	R	5.7 UJ	6.1 U	7.1 U	7.5 U	5.7 U
Toluene	4,900,000	100,000	R	1 UJ	1.1 U	1.2 U	1.3 U	0.99 U
trans-1,3-Dichloropropene	NS	NS	R	1 UJ	1.1 U	1.3 U	1.4 U	1 U
cis-1,3-Dichloropropene	NS	NS	R	1.1 UJ	1.2 U	1.4 U	1.4 U	1.1 U
1,1,2-Trichloroethane	1,500	NS	R	1.5 UJ	1.5 U	1.8 U	1.9 U	1.4 U
2-Hexanone	200,000	NS	R	7.5 UJ	8 U	9.4 U	9.9 U	7.5 U
Dibromochloromethane	830,000	NS	R	1.3 UJ	1.4 U	1.7 U	1.8 U	1.3 U
1,2-Dibromoethane	3,600	NS	R	1.3 UJ	1.4 U	1.7 U	1.8 U	1.3 U
Tetrachloroethene	81,000	5,500	R	R	0.75 U	0.89 U	0.94 U	0.7 U
Chlorobenzene	280,000	100,000	R	R	0.85 U	1 U	1.1 U	0.8 U
Ethyl benzene	580,000	30,000	R	R	0.92 U	1.1 U	1.2 U	0.86 U
m,p-Xylenes*	NS**	100,000	R	R	1.8 U	2.1 U	2.2 U	1.7 U
o-Xylene*	650,000	100,000	R	R	1.2 U	1.4 U	1.5 U	1.1 U
Styrene	6,000,000	NS	R	R	1.1 U	1.3 U	1.3 U	1 U
Bromoform	1,600,000	NS	R	R	3.5 U	4.2 U	4.4 U	3.3 U
Isopropylbenzene	1,900,000	NS	R	R	0.94 U	1.1 UJ	1.2 U	0.88 U
1,1,2,2-Tetrachloroethane	60,000	NS	R	R	1.2 U	1.4 UJ	1.5 U	1.1 U
1,3-Dichlorobenzene	NS	17,000	R	R	1.2 U	1.4 UJ	1.4 U	1.1 U
1,4-Dichlorobenzene	260,000	9,800	R	R	1.1 U	1.3 UJ	1.4 U	1.1 U
1,2-Dichlorobenzene	1,800,000	100,000	R	R	1.4 U	1.6 UJ	1.7 U	1.3 U
1,2-Dibromo-3-chloropropane	530	NS	R	R	3.6 U	4.2 UJ	4.5 U	3.4 U
1,2,4-Trichlorobenzene	58,000	NS	R	R	1.2 U	1.4 UJ	1.5 U	1.1 U
1,2,3-Trichlorobenzene	63,000	NS	R	R	1.4 U	1.6 UJ	1.7 U	1.3 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01	P026-SS002-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	R	1 U	0.99 U	0.99 U	0.83 UJ	1.9 U
Chloromethane	110,000	NS	R	2 U	1.9 UJ	1.9 U	1.6 UJ	3.7 U
Vinyl chloride	5,900	210	R	1.3 U	1.2 U	1.2 U	1 UJ	2.3 U
Bromomethane	6,800	NS	R	0.43 UJ	0.41 UJ	0.41 U	0.35 UJ	0.79 U
Chloroethane	14,000,000	NS	R	0.66 U	0.62 U	0.62 U	0.53 UJ	1.2 U
Trichlorofluoromethane	23,000,000	NS	R	0.74 U	0.7 U	0.7 U	0.59 UJ	1.3 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	R	0.92 U	0.87 U	0.87 U	0.73 UJ	1.7 U
1,1-Dichloroethene	230,000	100,000	R	1.1 U	1.1 U	1.1 U	0.91 UJ	2.1 U
Acetone	61,000,000	100,000	**190 J+**	8.8 UJ	8.3 U	8.3 U	**10.2 J+**	**16.5 J**
Carbon disulfide	770,000	NS	R	1.2 U	1.2 U	1.2 U	0.98 UJ	**5.4 J**
Methyl tert-butyl ether	4,700,000	62,000	R	1.6 U	1.5 U	1.5 U	1.3 UJ	2.9 U
Methyl acetate	78,000,000	NS	R	3.2 U	3 U	3.1 U	2.6 UJ	5.9 U
Methylene chloride	350,000	51,000	**19.5 J+**	6 U	**7.7 J**	**12**	**19.4 J+**	**38.8 B**
trans-1,2-Dichloroethene	1,600,000	100,000	R	1.4 U	1.4 U	1.4 U	1.1 UJ	2.6 U
1,1-Dichloroethane	360,000	19,000	R	1 U	0.99 U	0.99 U	0.83 UJ	1.9 U
Cyclohexane	6,500,000	NS	R	2.1 U	1.9 U	2 U	1.6 UJ	3.8 U
2-Butanone	27,000,000	100,000	R	7.7 U	7.2 U	7.2 UJ	6.1 UJ	13.9 U
Carbon tetrachloride	65,000	1,400	R	0.95 UJ	0.89 U	0.9 UJ	0.75 UJ	1.7 U
cis-1,2-Dichloroethene	160,000	59,000	R	1.1 U	1.1 U	1.1 U	0.9 UJ	2.1 U
Bromochloromethane	150,000	NS	R	1.4 U	1.3 U	1.3 U	1.1 UJ	2.5 U
Chloroform	32,000	10,000	R	0.99 U	0.94 U	0.94 U	0.79 UJ	1.8 U
1,1,1-Trichloroethane	8,100,000	100,000	R	1.2 U	1.1 U	1.1 U	0.97 UJ	2.2 U
Methylcyclohexane	NS	NS	R	1.4 U	1.3 U	1.3 U	1.1 UJ	2.5 U
Benzene	82,000	2,900	R	0.96 U	0.91 U	0.91 U	0.77 UJ	1.8 U
1,2-Dichloroethane	31,000	2,300	R	1.4 UJ	1.3 U	1.3 U	1.1 UJ	2.5 U
Trichloroethene	4,100	10,000	R	1.1 U	1 U	1 U	0.85 UJ	1.9 U
1,2-Dichloropropane	16,000	NS	R	1.4 UJ	1.4 U	1.4 U	1.1 UJ	2.6 U
Bromodichloromethane	29,000	NS	R	1.1 UJ	1.1 U	1.1 U	0.91 UJ	2.1 U
4-Methyl-2-pentanone	33,000,000	NS	R	6.4 U	6.1 U	6.1 U	5.1 UJ	11.7 U
Toluene	4,900,000	100,000	R	1.1 U	1.1 U	1.1 U	0.89 UJ	2 U
trans-1,3-Dichloropropene	NS	NS	R	1.2 UJ	1.1 U	1.1 U	0.92 UJ	2.1 U
cis-1,3-Dichloropropene	NS	NS	R	1.2 UJ	1.2 U	1.2 U	0.98 UJ	2.2 U
1,1,2-Trichloroethane	1,500	NS	R	1.6 UJ	1.5 U	1.5 U	1.3 UJ	3 U
2-Hexanone	200,000	NS	R	8.5 UJ	8 U	8 U	6.7 UJ	15.4 U
Dibromochloromethane	830,000	NS	R	1.5 U	1.4 U	1.4 U	1.2 UJ	2.7 U
1,2-Dibromoethane	3,600	NS	R	1.5 UJ	1.4 U	1.4 U	1.2 UJ	2.7 U
Tetrachloroethene	81,000	5,500	R	0.8 U	0.75 U	0.75 U	0.63 UJ	1.5 U
Chlorobenzene	280,000	100,000	R	0.9 U	0.85 U	0.86 U	0.72 UJ	1.6 U
Ethyl benzene	580,000	30,000	R	0.98 U	0.93 U	0.93 U	0.78 UJ	1.8 U
m,p-Xylenes*	NS**	100,000	R	1.9 U	1.8 U	1.8 U	1.5 UJ	3.5 U
o-Xylene*	650,000	100,000	R	1.3 U	1.2 U	1.2 U	1 UJ	2.3 U
Styrene	6,000,000	NS	R	1.1 U	1.1 U	1.1 U	0.91 UJ	2.1 U
Bromoform	1,600,000	NS	R	3.8 U	3.6 U	3.6 U	3 UJ	6.8 U
Isopropylbenzene	1,900,000	NS	R	0.99 U	0.94 U	0.94 U	0.79 UJ	1.8 UJ
1,1,2,2-Tetrachloroethane	60,000	NS	R	1.2 U	1.2 U	1.2 U	0.99 UJ	2.3 UJ
1,3-Dichlorobenzene	NS	17,000	R	1.2 U	1.2 U	1.2 U	0.97 UJ	2.2 UJ
1,4-Dichlorobenzene	260,000	9,800	R	1.2 U	1.1 U	1.1 U	0.96 UJ	2.2 UJ
1,2-Dichlorobenzene	1,800,000	100,000	R	1.5 U	1.4 U	1.4 U	1.2 UJ	2.6 UJ
1,2-Dibromo-3-chloropropane	530	NS	R	3.8 U	3.6 U	3.6 U	3 UJ	6.9 UJ
1,2,4-Trichlorobenzene	58,000	NS	R	1.3 U	1.2 U	1.2 U	1 UJ	2.3 UJ
1,2,3-Trichlorobenzene	63,000	NS	R	1.5 U	1.4 UJ	1.4 U	1.2 UJ	2.7 UJ

Notes:
START V - Superfund Technical Assessment & Response Team V
TCL - Target Compound List
VOC - Volatile Organic Compound
J - Estimated value
J+ - Estimated value with a high bias
U - Not detected
R - Rejected
B - Analyte found in associated method blank
NS - Not Specified
NA - Not Applicable
[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018
[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006
All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)
*RUSCO based on value for total xylenes
**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene
Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01	P026-SS002-1218-02	P026-SS002-1824-01	P026-SS003-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.3 U	1 U	1.1 U	0.99 U	1 U	1.7 U
Chloromethane	110,000	NS	2.5 U	2 U	2.1 U	2 UJ	2 U	3.4 U
Vinyl chloride	5,900	210	1.5 U	1.3 U	1.3 U	1.2 U	1.2 U	2.1 U
Bromomethane	6,800	NS	0.52 UJ	0.43 UJ	0.44 UJ	0.41 UJ	0.41 UJ	0.72 U
Chloroethane	14,000,000	NS	0.8 U	0.65 U	0.68 U	0.63 U	0.63 U	1.1 U
Trichlorofluoromethane	23,000,000	NS	0.89 U	0.73 U	0.76 U	0.71 U	0.71 U	1.2 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	1.1 U	0.91 U	0.94 U	0.88 U	0.88 U	1.5 U
1,1-Dichloroethene	230,000	100,000	1.4 U	1.1 U	1.2 U	1.1 U	1.1 U	1.9 U
Acetone	61,000,000	100,000	**12.9 J**	**15.6 J**	9 UJ	8.4 U	8.4 UJ	**17.5 J**
Carbon disulfide	770,000	NS	1.5 U	1.2 U	1.3 U	1.2 U	1.2 U	2 U
Methyl tert-butyl ether	4,700,000	62,000	1.9 U	1.6 U	1.6 U	1.5 U	1.5 U	2.7 U
Methyl acetate	78,000,000	NS	3.9 U	3.2 U	3.3 U	3.1 U	3.1 U	5.4 U
Methylene chloride	350,000	51,000	7.2 U	5.9 U	6.1 U	**8.3 J**	5.7 U	**42.9 B**
trans-1,2-Dichloroethene	1,600,000	100,000	1.7 U	1.4 U	1.5 U	1.4 U	1.4 U	2.4 U
1,1-Dichloroethane	360,000	19,000	1.3 U	1 U	1.1 U	1 U	1 U	1.7 U
Cyclohexane	6,500,000	NS	2.5 U	2 U	2.1 U	2 U	2 U	3.4 U
2-Butanone	27,000,000	100,000	9.2 U	7.6 U	7.8 U	7.3 U	7.3 U	12.7 U
Carbon tetrachloride	65,000	1,400	1.1 UJ	0.94 UJ	0.97 UJ	0.9 U	0.9 UJ	1.6 U
cis-1,2-Dichloroethene	160,000	59,000	1.4 U	1.1 U	1.2 U	1.1 U	1.1 U	1.9 U
Bromochloromethane	150,000	NS	1.6 U	1.4 U	1.4 U	1.3 U	1.3 U	2.3 U
Chloroform	32,000	10,000	1.2 U	0.98 U	1 U	0.95 U	0.95 U	1.6 U
1,1,1-Trichloroethane	8,100,000	100,000	1.5 U	1.2 U	1.2 U	1.2 U	1.2 U	2 U
Methylcyclohexane	NS	NS	1.6 U	1.3 U	1.4 U	1.3 U	1.3 U	2.2 U
Benzene	82,000	2,900	1.2 U	0.95 U	0.98 U	0.92 U	0.92 U	1.6 U
1,2-Dichloroethane	31,000	2,300	1.7 UJ	1.4 UJ	1.4 UJ	1.3 U	1.3 UJ	2.3 U
Trichloroethene	4,100	10,000	1.3 U	1.1 U	1.1 U	1 U	1 U	1.8 U
1,2-Dichloropropane	16,000	NS	1.7 UJ	1.4 UJ	1.5 UJ	1.4 U	1.4 UJ	2.4 U
Bromodichloromethane	29,000	NS	1.4 UJ	1.1 UJ	1.2 UJ	1.1 U	1.1 UJ	1.9 U
4-Methyl-2-pentanone	33,000,000	NS	7.7 U	6.4 U	6.6 U	6.1 U	6.1 U	10.7 U
Toluene	4,900,000	100,000	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.9 U
trans-1,3-Dichloropropene	NS	NS	1.4 UJ	1.1 UJ	1.2 UJ	1.1 U	1.1 UJ	1.9 U
cis-1,3-Dichloropropene	NS	NS	1.5 UJ	1.2 UJ	1.3 UJ	1.2 U	1.2 UJ	2 U
1,1,2-Trichloroethane	1,500	NS	2 UJ	1.6 UJ	1.7 UJ	1.6 U	1.6 UJ	2.7 U
2-Hexanone	200,000	NS	10.2 UJ	8.4 UJ	8.7 UJ	8.1 U	8.1 UJ	14.1 U
Dibromochloromethane	830,000	NS	1.8 U	1.5 U	1.5 U	1.4 U	1.4 U	2.5 U
1,2-Dibromoethane	3,600	NS	1.8 UJ	1.5 UJ	1.5 U	1.4 U	1.4 UJ	2.5 U
Tetrachloroethene	81,000	5,500	0.96 U	0.79 U	0.82 U	0.76 U	0.76 U	1.3 U
Chlorobenzene	280,000	100,000	1.1 U	0.89 U	0.92 U	0.86 U	0.86 U	1.5 U
Ethyl benzene	580,000	30,000	1.2 U	0.97 U	1 U	0.93 U	0.94 U	1.6 U
m,p-Xylenes*	NS**	100,000	2.3 U	1.9 U	1.9 U	1.8 U	1.8 U	3.1 U
o-Xylene*	650,000	100,000	1.5 U	1.2 U	1.3 U	1.2 U	1.2 U	2.1 U
Styrene	6,000,000	NS	1.4 U	1.1 U	1.2 U	1.1 U	1.1 U	1.9 U
Bromoform	1,600,000	NS	4.5 U	3.7 U	3.9 U	3.6 U	3.6 U	6.2 U
Isopropylbenzene	1,900,000	NS	1.2 U	0.98 U	1 U	0.95 UJ	0.95 UJ	1.6 UJ
1,1,2,2-Tetrachloroethane	60,000	NS	1.5 U	1.2 U	1.3 U	1.2 UJ	1.2 UJ	2.1 UJ
1,3-Dichlorobenzene	NS	17,000	1.5 U	1.2 U	1.3 U	1.2 UJ	1.2 UJ	2 UJ
1,4-Dichlorobenzene	260,000	9,800	1.5 U	1.2 U	1.2 U	1.2 UJ	1.2 UJ	2 UJ
1,2-Dichlorobenzene	1,800,000	100,000	1.8 U	1.4 U	1.5 U	1.4 UJ	1.4 UJ	2.4 UJ
1,2-Dibromo-3-chloropropane	530	NS	4.6 U	3.8 U	3.9 U	3.6 UJ	3.6 UJ	6.3 UJ
1,2,4-Trichlorobenzene	58,000	NS	1.5 U	1.3 U	1.3 U	1.2 UJ	1.2 UJ	2.1 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.8 U	1.4 U	1.5 U	1.4 UJ	1.4 UJ	2.4 UJ

Notes:
START V - Superfund Technical Assessment & Response Team V
TCL - Target Compound List
VOC - Volatile Organic Compound
J - Estimated value
J+ - Estimated value with a high bias
U - Not detected
R - Rejected
B - Analyte found in associated method blank
NS - Not Specified
NA - Not Applicable
[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018
[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006
All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)
*RUSCO based on value for total xylenes
**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene
Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS003-0206-01	P026-SS003-0612-01	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.2 U	1.1 U	1.3 U	1.4 U	1.1 UJ	0.75 U
Chloromethane	110,000	NS	2.4 U	2.3 UJ	2.6 U	2.8 U	2.1 UJ	1.5 U
Vinyl chloride	5,900	210	1.5 U	1.4 U	1.6 U	1.8 U	1.3 UJ	0.91 U
Bromomethane	6,800	NS	0.51 UJ	0.48 UJ	0.54 U	0.6 U	0.45 UJ	0.31 UJ
Chloroethane	14,000,000	NS	0.77 U	0.73 U	0.83 U	0.92 U	0.68 UJ	0.47 U
Trichlorofluoromethane	23,000,000	NS	0.87 U	0.82 U	0.93 U	1 U	0.76 UJ	0.53 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	1.1 U	1 U	1.2 U	1.3 U	0.94 UJ	0.66 U
1,1-Dichloroethene	230,000	100,000	1.3 U	1.3 U	1.4 U	1.6 U	1.2 UJ	0.81 U
Acetone	61,000,000	100,000	10.3 UJ	9.7 U	**12.3 J**	12.2 U	9 UJ	**11.3 J**
Carbon disulfide	770,000	NS	1.4 U	1.4 U	1.5 U	1.7 U	1.3 UJ	0.88 U
Methyl tert-butyl ether	4,700,000	62,000	1.9 U	1.8 U	2 U	2.2 U	1.6 UJ	1.1 U
Methyl acetate	78,000,000	NS	3.8 U	3.5 U	4 U	4.5 U	3.3 UJ	2.3 U
Methylene chloride	350,000	51,000	7 U	**9.5 J**	**34.8 B**	**40 B**	**16.3 J+**	**4.4 J**
trans-1,2-Dichloroethene	1,600,000	100,000	1.7 U	1.6 U	1.8 U	2 U	1.5 UJ	1 U
1,1-Dichloroethane	360,000	19,000	1.2 U	1.1 U	1.3 U	1.4 U	1.1 UJ	0.75 U
Cyclohexane	6,500,000	NS	2.4 U	2.3 U	2.6 U	2.9 U	2.1 UJ	1.5 U
2-Butanone	27,000,000	100,000	9 U	8.4 U	9.6 U	10.6 U	7.9 UJ	5.5 U
Carbon tetrachloride	65,000	1,400	1.1 UJ	1 U	1.2 U	1.3 U	0.97 UJ	0.68 U
cis-1,2-Dichloroethene	160,000	59,000	1.3 U	1.2 U	1.4 U	1.6 U	1.2 UJ	0.81 U
Bromochloromethane	150,000	NS	1.6 U	1.5 U	1.7 U	1.9 U	1.4 UJ	0.98 U
Chloroform	32,000	10,000	1.2 U	1.1 U	1.2 U	1.4 U	1 UJ	0.71 U
1,1,1-Trichloroethane	8,100,000	100,000	1.4 U	1.3 U	1.5 U	1.7 U	1.2 UJ	0.87 U
Methylcyclohexane	NS	NS	1.6 U	1.5 U	1.7 U	1.9 U	1.4 UJ	0.97 U
Benzene	82,000	2,900	1.1 U	1.1 U	1.2 U	1.3 U	0.99 UJ	0.69 U
1,2-Dichloroethane	31,000	2,300	1.6 UJ	1.5 U	1.7 U	1.9 U	1.4 UJ	0.99 U
Trichloroethene	4,100	10,000	1.3 U	1.2 U	1.3 U	1.5 U	1.1 UJ	0.76 U
1,2-Dichloropropane	16,000	NS	1.7 UJ	1.6 U	1.8 U	2 U	1.5 UJ	1 U
Bromodichloromethane	29,000	NS	1.3 UJ	1.3 U	1.4 U	1.6 U	1.2 UJ	0.82 U
4-Methyl-2-pentanone	33,000,000	NS	7.5 U	7.1 U	8 U	8.9 U	6.6 UJ	4.6 U
Toluene	4,900,000	100,000	1.3 U	1.2 U	1.4 U	1.6 U	1.1 UJ	0.8 U
trans-1,3-Dichloropropene	NS	NS	1.4 UJ	1.3 U	1.4 U	1.6 U	1.2 UJ	0.83 U
cis-1,3-Dichloropropene	NS	NS	1.4 UJ	1.4 U	1.5 U	1.7 U	1.3 UJ	0.88 U
1,1,2-Trichloroethane	1,500	NS	1.9 UJ	1.8 U	2 U	2.3 U	1.7 UJ	1.2 U
2-Hexanone	200,000	NS	9.9 UJ	9.3 U	10.6 U	11.7 U	8.7 UJ	6.1 U
Dibromochloromethane	830,000	NS	1.8 U	1.7 U	1.9 U	2.1 U	1.5 UJ	1.1 U
1,2-Dibromoethane	3,600	NS	1.7 U	1.6 U	1.9 U	2.1 U	1.5 UJ	1.1 U
Tetrachloroethene	81,000	5,500	0.93 U	0.88 U	1 U	1.1 U	0.82 UJ	0.57 U
Chlorobenzene	280,000	100,000	1.1 U	0.99 U	1.1 U	1.3 U	0.93 UJ	0.65 U
Ethyl benzene	580,000	30,000	1.1 U	1.1 U	1.2 U	1.4 U	1 UJ	0.7 U
m,p-Xylenes*	NS**	100,000	2.2 U	2.1 U	2.4 U	2.6 U	1.9 UJ	1.4 U
o-Xylene*	650,000	100,000	1.5 U	1.4 U	1.6 U	1.7 U	1.3 UJ	0.9 U
Styrene	6,000,000	NS	1.3 U	1.3 U	1.4 U	1.6 U	1.2 UJ	0.81 U
Bromoform	1,600,000	NS	4.4 U	4.1 U	4.7 U	5.2 U	3.9 UJ	2.7 U
Isopropylbenzene	1,900,000	NS	1.2 U	1.1 U	1.2 UJ	1.4 U	R	0.71 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.5 U	1.4 U	1.6 UJ	1.7 U	R	0.89 U
1,3-Dichlorobenzene	NS	17,000	1.4 U	1.3 U	1.5 UJ	1.7 U	R	0.87 U
1,4-Dichlorobenzene	260,000	9,800	1.4 U	1.3 U	1.5 UJ	1.7 U	R	0.87 U
1,2-Dichlorobenzene	1,800,000	100,000	1.7 U	1.6 U	1.8 UJ	2 U	R	1 U
1,2-Dibromo-3-chloropropane	530	NS	4.5 U	4.2 U	4.8 UJ	5.3 U	R	2.7 U
1,2,4-Trichlorobenzene	58,000	NS	1.5 U	1.4 U	1.6 UJ	1.8 U	R	0.91 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.7 U	1.6 UJ	1.8 UJ	2 U	R	1 UJ

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS004-0612-01	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01	P026-SS005-0206-01	P026-SS005-0612-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.98 U	R	0.84 U	1.7 U	0.99 U	1.2 U
Chloromethane	110,000	NS	1.9 U	R	1.6 U	3.4 UJ	1.9 U	2.3 U
Vinyl chloride	5,900	210	1.2 U	R	1 U	2.1 U	1.2 U	1.4 U
Bromomethane	6,800	NS	0.41 U	R	0.35 U	0.73 UJ	0.41 U	0.49 U
Chloroethane	14,000,000	NS	0.62 U	R	0.53 U	1.1 U	0.63 U	0.74 U
Trichlorofluoromethane	23,000,000	NS	0.7 U	R	0.6 U	1.2 U	0.7 U	0.83 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.86 U	R	0.74 U	1.5 U	0.87 U	1 U
1,1-Dichloroethene	230,000	100,000	1.1 U	R	0.92 U	1.9 U	1.1 U	1.3 U
Acetone	61,000,000	100,000	8.3 UJ	R	7.1 U	14.7 U	8.4 U	9.9 U
Carbon disulfide	770,000	NS	1.2 U	R	0.99 U	2.1 U	1.2 U	1.4 U
Methyl tert-butyl ether	4,700,000	62,000	1.5 U	R	1.3 U	2.7 U	1.5 U	1.8 U
Methyl acetate	78,000,000	NS	3 U	R	2.6 U	5.4 U	3.1 U	3.6 U
Methylene chloride	350,000	51,000	5.6 U	R	4.8 U	**17.2 J**	5.7 U	6.7 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.4 U	R	1.2 U	2.4 U	1.4 U	1.6 U
1,1-Dichloroethane	360,000	19,000	0.98 U	R	0.84 U	1.7 U	0.99 U	1.2 U
Cyclohexane	6,500,000	NS	1.9 U	R	1.7 U	3.4 U	2 U	2.3 U
2-Butanone	27,000,000	100,000	7.2 U	R	6.2 U	12.8 U	7.3 U	8.6 U
Carbon tetrachloride	65,000	1,400	0.89 UJ	R	0.76 U	1.6 U	0.9 U	1.1 U
cis-1,2-Dichloroethene	160,000	59,000	1.1 U	R	0.91 U	1.9 U	1.1 U	1.3 U
Bromochloromethane	150,000	NS	1.3 U	R	1.1 U	2.3 U	1.3 U	1.5 U
Chloroform	32,000	10,000	0.93 U	R	0.8 U	1.7 U	0.94 U	1.1 U
1,1,1-Trichloroethane	8,100,000	100,000	1.1 U	R	0.98 U	2 U	1.2 U	1.4 U
Methylcyclohexane	NS	NS	1.3 U	R	1.1 U	2.3 U	1.3 U	1.5 U
Benzene	82,000	2,900	0.9 U	R	0.77 U	1.6 U	0.91 U	1.1 U
1,2-Dichloroethane	31,000	2,300	1.3 U	R	1.1 U	2.3 U	1.3 U	1.5 U
Trichloroethene	4,100	10,000	1 U	R	0.86 U	1.8 U	1 U	1.2 U
1,2-Dichloropropane	16,000	NS	1.3 U	R	1.2 U	2.4 U	1.4 U	1.6 U
Bromodichloromethane	29,000	NS	1.1 U	R	0.92 U	1.9 U	1.1 U	1.3 U
4-Methyl-2-pentanone	33,000,000	NS	6 U	R	5.2 U	10.7 U	6.1 U	7.2 U
Toluene	4,900,000	100,000	1.1 U	R	0.9 U	1.9 U	1.1 U	1.3 U
trans-1,3-Dichloropropene	NS	NS	1.1 U	R	0.93 U	1.9 U	1.1 U	1.3 U
cis-1,3-Dichloropropene	NS	NS	1.2 U	R	0.99 U	2.1 U	1.2 U	1.4 U
1,1,2-Trichloroethane	1,500	NS	1.5 U	R	1.3 U	2.7 U	1.6 U	1.8 U
2-Hexanone	200,000	NS	8 U	R	6.8 U	14.2 U	8 U	9.5 U
Dibromochloromethane	830,000	NS	1.4 U	R	1.2 U	2.5 U	1.4 U	1.7 U
1,2-Dibromoethane	3,600	NS	1.4 U	R	1.2 U	2.5 U	1.4 U	1.7 U
Tetrachloroethene	81,000	5,500	0.75 U	R	0.64 U	1.3 U	0.76 U	0.9 U
Chlorobenzene	280,000	100,000	0.85 U	R	0.73 U	1.5 U	0.86 U	1 U
Ethyl benzene	580,000	30,000	0.92 U	R	0.79 U	1.6 U	0.93 U	1.1 U
m,p-Xylenes*	NS**	100,000	1.8 U	R	1.5 U	3.2 U	1.8 U	2.1 U
o-Xylene*	650,000	100,000	1.2 U	R	1 U	2.1 U	1.2 U	1.4 U
Styrene	6,000,000	NS	1.1 U	R	0.91 U	1.9 U	1.1 U	1.3 U
Bromoform	1,600,000	NS	3.5 U	R	3 U	6.3 U	3.6 U	4.2 U
Isopropylbenzene	1,900,000	NS	0.93 U	R	0.8 U	1.7 U	0.94 U	1.1 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.2 U	R	1 U	2.1 U	1.2 U	1.4 U
1,3-Dichlorobenzene	NS	17,000	1.1 U	R	0.98 U	2 U	1.2 U	1.4 U
1,4-Dichlorobenzene	260,000	9,800	1.1 U	R	0.97 U	2 U	1.2 U	1.4 U
1,2-Dichlorobenzene	1,800,000	100,000	1.4 U	R	1.2 U	2.4 U	1.4 U	1.6 U
1,2-Dibromo-3-chloropropane	530	NS	3.6 U	R	3.1 U	6.4 U	3.6 U	4.3 U
1,2,4-Trichlorobenzene	58,000	NS	1.2 U	R	1 U	2.1 U	1.2 U	1.4 U
1,2,3-Trichlorobenzene	63,000	NS	1.4 U	R	1.2 U	2.4 UJ	1.4 U	1.6 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02	P026-SS006-0206-01	P026-SS006-0612-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			12-18	18-24	0-2	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.92 U	0.89 U	1.1 UJ	1.1 UJ	0.95 U	0.89 U
Chloromethane	110,000	NS	1.8 U	1.7 U	2.3 UJ	2.1 UJ	1.9 U	1.7 U
Vinyl chloride	5,900	210	1.1 U	1.1 U	1.4 UJ	1.3 UJ	1.2 U	1.1 U
Bromomethane	6,800	NS	0.38 U	0.37 UJ	0.48 UJ	0.45 UJ	0.4 U	0.37 UJ
Chloroethane	14,000,000	NS	0.58 U	0.56 UJ	0.73 UJ	0.69 UJ	0.6 U	0.56 U
Trichlorofluoromethane	23,000,000	NS	0.65 U	0.63 U	0.82 UJ	0.77 UJ	0.68 U	0.63 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.81 U	0.79 U	1 UJ	0.95 UJ	0.84 U	0.78 U
1,1-Dichloroethene	230,000	100,000	1 U	0.97 U	1.3 UJ	1.2 UJ	1 U	0.97 U
Acetone	61,000,000	100,000	7.8 U	7.5 U	9.7 UJ	**17.5 J+**	**9.7 J**	7.5 U
Carbon disulfide	770,000	NS	1.1 U	1 U	1.4 UJ	1.3 UJ	1.1 U	1 U
Methyl tert-butyl ether	4,700,000	62,000	1.4 U	1.4 U	1.8 UJ	1.7 UJ	1.5 U	1.4 U
Methyl acetate	78,000,000	NS	2.8 U	2.8 U	3.5 UJ	3.3 UJ	2.9 U	2.8 U
Methylene chloride	350,000	51,000	5.3 U	5.1 U	6.6 UJ	**6.9 J+**	13.2 U	5.1 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.3 U	1.2 U	1.6 UJ	1.5 UJ	1.3 U	1.2 U
1,1-Dichloroethane	360,000	19,000	0.92 U	0.89 U	1.1 UJ	1.1 UJ	0.95 U	0.89 U
Cyclohexane	6,500,000	NS	1.8 U	1.8 U	2.3 UJ	2.1 UJ	1.9 U	1.8 U
2-Butanone	27,000,000	100,000	6.7 U	6.5 U	8.4 UJ	7.9 UJ	7 U	6.5 U
Carbon tetrachloride	65,000	1,400	0.83 U	0.81 U	1 UJ	R	0.86 U	0.81 U
cis-1,2-Dichloroethene	160,000	59,000	1 U	0.97 U	1.2 UJ	1.2 UJ	1 U	0.97 U
Bromochloromethane	150,000	NS	1.2 U	1.2 U	1.5 UJ	1.4 UJ	1.3 U	1.2 U
Chloroform	32,000	10,000	0.87 U	0.85 U	1.1 UJ	1 UJ	0.91 U	0.85 U
1,1,1-Trichloroethane	8,100,000	100,000	1.1 U	1 U	1.3 UJ	1.3 UJ	1.1 U	1 U
Methylcyclohexane	NS	NS	1.2 U	1.2 U	1.5 UJ	R	1.2 U	1.2 U
Benzene	82,000	2,900	0.85 U	0.82 U	1.1 UJ	R	0.88 U	0.82 U
1,2-Dichloroethane	31,000	2,300	1.2 U	1.2 U	1.5 UJ	R	1.3 U	1.2 U
Trichloroethene	4,100	10,000	0.94 U	0.91 U	1.2 UJ	R	0.98 U	0.91 U
1,2-Dichloropropane	16,000	NS	1.3 U	1.2 U	1.6 UJ	R	1.3 U	1.2 U
Bromodichloromethane	29,000	NS	1 U	0.97 U	1.3 UJ	R	1 U	0.97 U
4-Methyl-2-pentanone	33,000,000	NS	5.7 U	5.5 U	7.1 UJ	R	5.9 U	5.5 U
Toluene	4,900,000	100,000	0.99 U	0.96 U	1.2 UJ	R	1 U	0.96 U
trans-1,3-Dichloropropene	NS	NS	1 U	0.99 U	1.3 UJ	R	1.1 U	0.99 U
cis-1,3-Dichloropropene	NS	NS	1.1 U	1 U	1.4 UJ	R	1.1 U	1 U
1,1,2-Trichloroethane	1,500	NS	1.4 U	1.4 U	1.8 UJ	R	1.5 U	1.4 U
2-Hexanone	200,000	NS	7.5 U	7.2 U	9.3 UJ	R	7.7 U	7.2 U
Dibromochloromethane	830,000	NS	1.3 U	1.3 U	1.7 UJ	R	1.4 U	1.3 U
1,2-Dibromoethane	3,600	NS	1.3 U	1.3 U	1.6 UJ	R	1.4 U	1.3 U
Tetrachloroethene	81,000	5,500	0.7 U	0.68 U	0.88 UJ	R	0.73 U	0.68 U
Chlorobenzene	280,000	100,000	0.8 U	0.77 U	0.99 UJ	R	0.83 U	0.77 U
Ethyl benzene	580,000	30,000	0.86 U	0.84 U	1.1 UJ	R	0.89 U	0.84 U
m,p-Xylenes*	NS**	100,000	1.7 U	1.6 U	2.1 UJ	R	1.7 U	1.6 U
o-Xylene*	650,000	100,000	1.1 U	1.1 U	1.4 UJ	R	1.2 U	1.1 U
Styrene	6,000,000	NS	1 U	0.97 U	1.3 UJ	R	1 U	0.97 U
Bromoform	1,600,000	NS	3.3 U	3.2 U	4.1 UJ	R	3.4 U	3.2 U
Isopropylbenzene	1,900,000	NS	0.88 U	0.85 UJ	R	R	0.91 UJ	0.85 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.1 U	1.1 UJ	R	R	1.1 UJ	1.1 U
1,3-Dichlorobenzene	NS	17,000	1.1 U	1 UJ	R	R	1.1 UJ	1 U
1,4-Dichlorobenzene	260,000	9,800	1.1 U	1 UJ	R	R	1.1 UJ	1 U
1,2-Dichlorobenzene	1,800,000	100,000	1.3 U	1.2 UJ	R	R	1.3 UJ	1.2 U
1,2-Dibromo-3-chloropropane	530	NS	3.4 U	3.3 UJ	R	R	3.5 UJ	3.3 U
1,2,4-Trichlorobenzene	58,000	NS	1.1 U	1.1 UJ	R	R	1.2 UJ	1.1 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.3 U	1.2 UJ	R	R	1.3 UJ	1.2 UJ

Notes:

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VOC - Volatile Organic Compound

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All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.84 U	0.81 U	110 U	1 U	1 U	R
Chloromethane	110,000	NS	1.6 U	1.6 U	220 U	2 UJ	2 UJ	R
Vinyl chloride	5,900	210	1 U	0.99 U	140 U	1.3 U	1.3 U	R
Bromomethane	6,800	NS	0.35 UJ	0.34 U	47.1 U	0.43 UJ	0.43 UJ	R
Chloroethane	14,000,000	NS	0.53 U	0.51 U	71.6 U	0.65 U	0.66 U	R
Trichlorofluoromethane	23,000,000	NS	0.59 U	0.58 U	80.4 U	0.73 UJ	0.74 UJ	R
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.74 U	0.72 U	99.7 U	0.91 U	0.91 U	R
1,1-Dichloroethene	230,000	100,000	0.91 U	0.89 U	120 U	1.1 U	1.1 U	R
Acetone	61,000,000	100,000	7.1 U	6.9 U	960 U	8.7 U	**71.6**	R
Carbon disulfide	770,000	NS	0.99 U	0.96 U	130 U	1.2 U	1.2 U	R
Methyl tert-butyl ether	4,700,000	62,000	1.3 U	1.2 U	170 U	1.6 U	1.6 U	R
Methyl acetate	78,000,000	NS	2.6 U	2.5 U	350 U	3.2 U	3.2 U	R
Methylene chloride	350,000	51,000	4.8 U	4.6 U	650 U	5.9 U	5.9 U	R
trans-1,2-Dichloroethene	1,600,000	100,000	1.2 U	1.1 U	160 U	1.4 U	1.4 U	R
1,1-Dichloroethane	360,000	19,000	0.84 U	0.81 U	110 U	1 U	1 U	R
Cyclohexane	6,500,000	NS	1.7 U	1.6 U	**630**	2 U	2 U	R
2-Butanone	27,000,000	100,000	6.1 U	6 U	830 U	7.6 U	7.6 U	R
Carbon tetrachloride	65,000	1,400	0.76 U	0.74 U	100 U	0.94 UJ	0.94 UJ	R
cis-1,2-Dichloroethene	160,000	59,000	0.91 U	0.88 U	120 U	1.1 U	1.1 U	R
Bromochloromethane	150,000	NS	1.1 U	1.1 U	150 U	1.4 UJ	1.4 UJ	R
Chloroform	32,000	10,000	0.8 U	0.77 U	110 U	0.98 UJ	0.98 UJ	R
1,1,1-Trichloroethane	8,100,000	100,000	0.98 U	0.95 U	130 U	1.2 UJ	1.2 UJ	R
Methylcyclohexane	NS	NS	1.1 U	1.1 U	**1,900**	1.3 U	1.3 U	R
Benzene	82,000	2,900	0.77 U	0.75 U	100 U	0.95 U	0.95 U	R
1,2-Dichloroethane	31,000	2,300	1.1 U	1.1 U	150 U	1.4 UJ	1.4 UJ	R
Trichloroethene	4,100	10,000	0.86 U	0.83 U	120 U	1.1 U	1.1 U	R
1,2-Dichloropropane	16,000	NS	1.1 U	1.1 U	160 U	1.4 U	1.4 U	R
Bromodichloromethane	29,000	NS	0.92 U	0.89 U	120 U	1.1 U	1.1 U	R
4-Methyl-2-pentanone	33,000,000	NS	5.2 U	5 U	700 U	6.4 U	6.4 U	R
Toluene	4,900,000	100,000	0.9 U	0.87 U	**160 J**	1.1 U	1.1 U	R
trans-1,3-Dichloropropene	NS	NS	0.93 U	0.9 U	130 U	1.1 U	1.1 U	R
cis-1,3-Dichloropropene	NS	NS	0.99 U	0.96 U	130 U	1.2 U	1.2 U	R
1,1,2-Trichloroethane	1,500	NS	1.3 U	1.3 U	180 U	1.6 U	1.6 U	R
2-Hexanone	200,000	NS	6.8 U	6.6 U	920 U	8.4 U	8.4 U	R
Dibromochloromethane	830,000	NS	1.2 U	1.2 U	160 U	1.5 U	1.5 U	R
1,2-Dibromoethane	3,600	NS	1.2 U	1.2 U	160 U	1.5 U	1.5 U	R
Tetrachloroethene	81,000	5,500	0.64 U	0.62 U	86.5 U	0.79 U	0.79 U	R
Chlorobenzene	280,000	100,000	0.73 U	0.7 U	98 U	0.9 U	0.9 U	R
Ethyl benzene	580,000	30,000	0.79 U	0.76 U	**140 J**	0.97 U	0.97 U	R
m,p-Xylenes*	NS**	100,000	1.5 U	1.5 U	**970 J**	1.9 U	1.9 U	R
o-Xylene*	650,000	100,000	1 U	0.98 U	**780**	1.2 U	1.2 U	R
Styrene	6,000,000	NS	0.91 U	0.89 U	120 U	1.1 U	1.1 U	R
Bromoform	1,600,000	NS	3 U	2.9 U	410 U	3.7 U	3.7 U	R
Isopropylbenzene	1,900,000	NS	0.8 U	0.77 UJ	110 U	0.98 U	0.99 U	R
1,1,2,2-Tetrachloroethane	60,000	NS	1 U	0.97 UJ	140 U	1.2 U	1.2 U	R
1,3-Dichlorobenzene	NS	17,000	0.98 U	0.95 UJ	130 U	1.2 U	1.2 U	R
1,4-Dichlorobenzene	260,000	9,800	0.97 U	0.94 UJ	130 U	1.2 U	1.2 U	R
1,2-Dichlorobenzene	1,800,000	100,000	1.2 U	1.1 UJ	160 U	1.4 U	1.4 U	R
1,2-Dibromo-3-chloropropane	530	NS	3.1 U	3 UJ	410 U	3.8 U	3.8 U	R
1,2,4-Trichlorobenzene	58,000	NS	1 UJ	0.99 UJ	140 U	1.3 U	1.3 U	R
1,2,3-Trichlorobenzene	63,000	NS	1.2 UJ	1.1 UJ	160 U	1.4 U	1.4 U	R

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS007-1824-01	P026-SS008-0002-01	P026-SS008-0206-01	P026-SS008-0206-02	P026-SS008-0612-01	P026-SS008-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			18-24	0-2	2-6	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	R	2.5 UJ	3 UJ	2.5 UJ	1 UJ	R
Chloromethane	110,000	NS	R	5 UJ	5.9 UJ	4.9 UJ	2 UJ	R
Vinyl chloride	5,900	210	R	3.1 UJ	3.7 UJ	3 UJ	1.2 UJ	R
Bromomethane	6,800	NS	R	1.1 UJ	1.3 UJ	1 UJ	0.42 UJ	R
Chloroethane	14,000,000	NS	R	1.6 UJ	1.9 UJ	1.6 UJ	0.63 UJ	R
Trichlorofluoromethane	23,000,000	NS	R	1.8 UJ	2.1 UJ	1.8 UJ	0.71 UJ	R
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	R	2.2 UJ	2.7 UJ	2.2 UJ	0.88 UJ	R
1,1-Dichloroethene	230,000	100,000	R	2.8 UJ	3.3 UJ	2.7 UJ	1.1 UJ	R
Acetone	61,000,000	100,000	R	**8,400 J+**	**240 J**	**220 J**	**13.5 J+**	R
Carbon disulfide	770,000	NS	R	3 UJ	3.5 UJ	2.9 UJ	1.2 UJ	R
Methyl tert-butyl ether	4,700,000	62,000	R	3.9 UJ	4.6 UJ	3.8 UJ	1.5 UJ	R
Methyl acetate	78,000,000	NS	R	**110 J+**	9.3 UJ	7.7 UJ	3.1 UJ	R
Methylene chloride	350,000	51,000	R	**14.8 J+**	**59.3 J**	**47.9 J**	5.7 UJ	R
trans-1,2-Dichloroethene	1,600,000	100,000	R	3.5 UJ	4.2 UJ	3.4 UJ	1.4 UJ	R
1,1-Dichloroethane	360,000	19,000	R	2.5 UJ	3 UJ	2.5 UJ	1 UJ	R
Cyclohexane	6,500,000	NS	R	5 UJ	6 UJ	4.9 UJ	2 UJ	R
2-Butanone	27,000,000	100,000	R	**490 J+**	22.1 UJ	**22.2 J**	7.3 UJ	R
Carbon tetrachloride	65,000	1,400	0.81 UJ	2.3 UJ	2.7 UJ	2.2 UJ	0.91 U	R
cis-1,2-Dichloroethene	160,000	59,000	R	2.7 UJ	3.3 UJ	2.7 UJ	1.1 UJ	R
Bromochloromethane	150,000	NS	R	3.3 UJ	4 UJ	3.2 UJ	1.3 UJ	R
Chloroform	32,000	10,000	R	2.4 UJ	2.9 UJ	2.4 UJ	0.95 UJ	R
1,1,1-Trichloroethane	8,100,000	100,000	R	2.9 UJ	3.5 UJ	2.9 UJ	1.2 UJ	R
Methylcyclohexane	NS	NS	1.2 UJ	3.3 UJ	3.9 UJ	3.2 UJ	1.3 U	R
Benzene	82,000	2,900	0.82 UJ	2.3 UJ	2.8 UJ	2.3 UJ	0.92 U	R
1,2-Dichloroethane	31,000	2,300	1.2 UJ	3.3 UJ	4 UJ	3.3 UJ	1.3 U	R
Trichloroethene	4,100	10,000	0.92 UJ	2.6 UJ	3.1 UJ	2.5 UJ	1 U	R
1,2-Dichloropropane	16,000	NS	1.2 UJ	3.5 UJ	4.1 UJ	3.4 UJ	1.4 U	R
Bromodichloromethane	29,000	NS	0.98 UJ	2.8 UJ	3.3 UJ	2.7 UJ	1.1 U	R
4-Methyl-2-pentanone	33,000,000	NS	5.5 UJ	15.5 UJ	18.5 UJ	15.2 UJ	6.1 U	R
Toluene	4,900,000	100,000	0.96 UJ	**3.4 J+**	**5.2 J**	**9 J**	1.1 U	R
trans-1,3-Dichloropropene	NS	NS	0.99 UJ	2.8 UJ	3.3 UJ	2.7 UJ	1.1 U	R
cis-1,3-Dichloropropene	NS	NS	1.1 UJ	3 UJ	3.5 UJ	2.9 UJ	1.2 U	R
1,1,2-Trichloroethane	1,500	NS	1.4 UJ	4 UJ	4.7 UJ	3.9 UJ	1.6 U	R
2-Hexanone	200,000	NS	7.2 UJ	20.5 UJ	24.4 UJ	20.1 UJ	8.1 U	R
Dibromochloromethane	830,000	NS	1.3 UJ	3.6 UJ	4.3 UJ	3.6 UJ	1.4 U	R
1,2-Dibromoethane	3,600	NS	1.3 UJ	3.6 UJ	4.3 UJ	3.5 UJ	1.4 U	R
Tetrachloroethene	81,000	5,500	0.68 UJ	180 U	2.3 UJ	1.9 UJ	0.76 U	R
Chlorobenzene	280,000	100,000	0.77 UJ	200 U	2.6 UJ	2.1 UJ	0.87 U	R
Ethyl benzene	580,000	30,000	0.84 UJ	220 U	2.8 UJ	2.3 UJ	0.94 U	R
m,p-Xylenes*	NS**	100,000	1.6 UJ	430 U	5.5 UJ	4.5 UJ	1.8 U	R
o-Xylene*	650,000	100,000	1.1 UJ	280 U	3.6 UJ	3 UJ	1.2 U	R
Styrene	6,000,000	NS	0.97 UJ	260 U	3.3 UJ	2.7 UJ	1.1 U	R
Bromoform	1,600,000	NS	3.2 UJ	850 U	10.9 UJ	8.9 UJ	3.6 U	R
Isopropylbenzene	1,900,000	NS	R	220 U	R	R	0.95 UJ	R
1,1,2,2-Tetrachloroethane	60,000	NS	R	280 U	R	R	1.2 UJ	R
1,3-Dichlorobenzene	NS	17,000	R	280 U	R	R	1.2 UJ	R
1,4-Dichlorobenzene	260,000	9,800	R	270 U	R	R	1.2 UJ	R
1,2-Dichlorobenzene	1,800,000	100,000	R	330 U	R	R	1.4 UJ	R
1,2-Dibromo-3-chloropropane	530	NS	R	860 U	R	R	3.7 UJ	R
1,2,4-Trichlorobenzene	58,000	NS	R	290 U	R	R	1.2 UJ	R
1,2,3-Trichlorobenzene	63,000	NS	R	330 U	R	R	1.4 UJ	R

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

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[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

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All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS008-1824-01	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01	P026-SS009-1824-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	R	0.89 UJ	0.9 U	1.3 U	0.77 U	0.85 U
Chloromethane	110,000	NS	R	1.7 UJ	1.8 U	2.6 U	1.5 U	1.7 U
Vinyl chloride	5,900	210	R	1.1 UJ	1.1 U	1.6 U	0.95 U	1 UJ
Bromomethane	6,800	NS	R	0.37 UJ	0.37 UJ	0.55 UJ	0.32 UJ	0.35 U
Chloroethane	14,000,000	NS	R	0.56 UJ	0.57 UJ	0.84 UJ	0.49 UJ	0.54 U
Trichlorofluoromethane	23,000,000	NS	R	0.63 UJ	0.64 U	0.95 U	0.55 U	0.6 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	R	0.78 UJ	0.79 U	1.2 U	0.68 U	0.75 U
1,1-Dichloroethene	230,000	100,000	R	0.97 UJ	0.98 U	1.5 U	0.84 U	0.93 U
Acetone	61,000,000	100,000	R	**51 J+**	**8.3 J+**	11.3 U	6.5 U	7.2 U
Carbon disulfide	770,000	NS	R	1 UJ	1.1 U	1.6 U	0.91 U	1 U
Methyl tert-butyl ether	4,700,000	62,000	R	1.4 UJ	1.4 U	2 U	1.2 U	1.3 U
Methyl acetate	78,000,000	NS	R	**2.8 J+**	2.8 U	4.1 U	2.4 U	2.6 U
Methylene chloride	350,000	51,000	R	**11.5 J+**	**12.9 J+**	7.6 U	4.4 U	4.9 U
trans-1,2-Dichloroethene	1,600,000	100,000	R	1.2 UJ	1.2 U	1.8 U	1.1 U	1.2 U
1,1-Dichloroethane	360,000	19,000	R	0.89 UJ	0.9 U	1.3 U	0.77 U	0.85 U
Cyclohexane	6,500,000	NS	R	1.8 UJ	1.8 U	2.6 U	1.5 U	1.7 U
2-Butanone	27,000,000	100,000	R	6.5 UJ	6.6 U	9.8 U	5.7 U	6.2 U
Carbon tetrachloride	65,000	1,400	R	0.81 UJ	0.81 U	1.2 U	0.7 U	0.77 U
cis-1,2-Dichloroethene	160,000	59,000	R	0.96 UJ	0.97 U	1.4 U	0.84 U	0.92 U
Bromochloromethane	150,000	NS	R	1.2 UJ	1.2 U	1.7 U	1 U	1.1 U
Chloroform	32,000	10,000	R	0.84 UJ	0.85 U	1.3 U	0.74 U	0.81 U
1,1,1-Trichloroethane	8,100,000	100,000	R	1 UJ	1 U	1.6 U	0.9 U	0.99 U
Methylcyclohexane	NS	NS	R	1.2 UJ	1.2 U	1.7 U	1 U	1.1 U
Benzene	82,000	2,900	R	0.82 UJ	0.83 U	1.2 U	0.71 U	0.79 U
1,2-Dichloroethane	31,000	2,300	R	1.2 UJ	1.2 U	1.8 U	1 U	1.1 U
Trichloroethene	4,100	10,000	R	0.91 UJ	0.92 U	1.4 U	0.79 U	0.87 U
1,2-Dichloropropane	16,000	NS	R	1.2 UJ	1.2 U	1.8 U	1.1 U	1.2 U
Bromodichloromethane	29,000	NS	R	0.97 UJ	0.98 U	1.5 U	0.85 U	0.93 U
4-Methyl-2-pentanone	33,000,000	NS	R	5.5 UJ	5.5 U	8.2 U	4.8 U	5.2 U
Toluene	4,900,000	100,000	R	0.95 UJ	0.96 U	1.4 U	0.83 U	0.91 U
trans-1,3-Dichloropropene	NS	NS	R	0.98 UJ	0.99 U	1.5 U	0.86 U	0.94 U
cis-1,3-Dichloropropene	NS	NS	R	1 UJ	1.1 U	1.6 U	0.91 U	1 U
1,1,2-Trichloroethane	1,500	NS	R	1.4 UJ	1.4 U	2.1 U	1.2 U	1.3 U
2-Hexanone	200,000	NS	R	7.2 UJ	7.3 U	10.8 U	6.3 U	6.9 U
Dibromochloromethane	830,000	NS	R	1.3 UJ	1.3 U	1.9 U	1.1 U	1.2 U
1,2-Dibromoethane	3,600	NS	R	1.3 UJ	1.3 U	1.9 U	1.1 U	1.2 U
Tetrachloroethene	81,000	5,500	R	0.68 UJ	0.69 U	1 U	0.59 U	0.65 U
Chlorobenzene	280,000	100,000	R	0.77 UJ	0.78 U	1.2 U	0.67 U	0.74 U
Ethyl benzene	580,000	30,000	R	0.83 UJ	0.84 U	1.3 U	0.73 U	0.8 U
m,p-Xylenes*	NS**	100,000	R	1.6 UJ	1.6 U	2.4 U	1.4 U	1.5 U
o-Xylene*	650,000	100,000	R	1.1 UJ	1.1 U	1.6 U	0.93 U	1 U
Styrene	6,000,000	NS	R	0.97 UJ	0.98 U	1.5 U	0.84 U	0.93 U
Bromoform	1,600,000	NS	R	3.2 UJ	3.2 U	4.8 U	2.8 U	3.1 U
Isopropylbenzene	1,900,000	NS	R	1.8 UJ	0.85 UJ	1.3 U	0.74 U	0.81 U
1,1,2,2-Tetrachloroethane	60,000	NS	R	2.2 UJ	1.1 UJ	1.6 U	0.93 U	1 U
1,3-Dichlorobenzene	NS	17,000	R	2.2 UJ	1.1 UJ	1.6 U	0.91 U	1 U
1,4-Dichlorobenzene	260,000	9,800	R	2.2 UJ	1 UJ	1.5 U	0.9 U	0.99 U
1,2-Dichlorobenzene	1,800,000	100,000	R	2.6 UJ	1.3 UJ	1.9 U	1.1 U	1.2 U
1,2-Dibromo-3-chloropropane	530	NS	R	6.8 UJ	3.3 UJ	4.9 U	2.8 U	3.1 U
1,2,4-Trichlorobenzene	58,000	NS	R	2.3 UJ	1.1 UJ	1.6 U	0.95 U	1 UJ
1,2,3-Trichlorobenzene	63,000	NS	R	2.6 UJ	1.3 UJ	1.9 UJ	1.1 UJ	1.2 UJ

Notes:

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All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

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Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01	P026-SS010-1824-01	P026-SS011-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.4 U	1.2 UJ	1.5 U	1 UJ	0.86 U	3.2 U
Chloromethane	110,000	NS	2.7 U	2.3 UJ	3 U	2 UJ	1.7 U	6.2 U
Vinyl chloride	5,900	210	1.7 U	1.4 UJ	1.9 U	1.3 UJ	1.1 U	3.9 U
Bromomethane	6,800	NS	0.57 U	0.49 UJ	0.63 UJ	0.43 UJ	0.36 U	1.3 U
Chloroethane	14,000,000	NS	0.87 U	0.75 UJ	0.96 UJ	0.66 UJ	0.54 U	2 U
Trichlorofluoromethane	23,000,000	NS	0.98 U	0.84 UJ	1.1 U	0.74 UJ	0.61 U	2.3 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	1.2 U	1 UJ	1.3 U	0.92 UJ	0.76 U	2.8 U
1,1-Dichloroethene	230,000	100,000	1.5 U	1.3 UJ	1.7 U	1.1 UJ	0.94 U	3.5 U
Acetone	61,000,000	100,000	**330 J**	**18.3 J**	**20.7 J+**	**30.1 J+**	**23.2 J+**	**470 J+**
Carbon disulfide	770,000	NS	1.6 U	1.4 UJ	1.8 U	1.2 UJ	1 U	3.7 U
Methyl tert-butyl ether	4,700,000	62,000	2.1 U	1.8 UJ	2.3 U	1.6 UJ	1.3 U	4.9 U
Methyl acetate	78,000,000	NS	**10.7 J**	3.7 UJ	4.7 U	3.2 UJ	2.7 U	**14.5 J+**
Methylene chloride	350,000	51,000	**11.4 J**	6.8 UJ	**16.6 J+**	**11.6 J+**	**9.4 J+**	**45.6 J+**
trans-1,2-Dichloroethene	1,600,000	100,000	1.9 U	1.6 UJ	2.1 U	1.4 UJ	1.2 U	4.4 U
1,1-Dichloroethane	360,000	19,000	1.4 U	1.2 UJ	1.5 U	1 UJ	0.86 U	3.2 U
Cyclohexane	6,500,000	NS	2.7 U	2.3 UJ	3 U	2.1 UJ	1.7 U	6.3 U
2-Butanone	27,000,000	100,000	**26 J**	8.7 UJ	11.1 U	7.7 UJ	6.3 U	23.3 U
Carbon tetrachloride	65,000	1,400	1.2 U	1.1 UJ	1.4 U	0.95 UJ	0.78 U	2.9 U
cis-1,2-Dichloroethene	160,000	59,000	1.5 U	1.3 UJ	1.6 U	1.1 UJ	0.93 U	3.4 U
Bromochloromethane	150,000	NS	1.8 U	1.6 UJ	2 U	1.4 UJ	1.1 U	4.2 U
Chloroform	32,000	10,000	1.3 U	1.1 UJ	1.4 U	0.99 UJ	0.82 U	3 U
1,1,1-Trichloroethane	8,100,000	100,000	1.6 U	1.4 UJ	1.8 U	1.2 UJ	1 U	3.7 U
Methylcyclohexane	NS	NS	1.8 U	1.5 UJ	2 U	1.4 UJ	1.1 U	4.1 U
Benzene	82,000	2,900	1.3 U	1.1 UJ	1.4 U	0.96 UJ	0.79 U	2.9 U
1,2-Dichloroethane	31,000	2,300	1.8 U	1.6 UJ	2 U	1.4 UJ	1.1 U	4.2 U
Trichloroethene	4,100	10,000	1.4 U	1.2 UJ	1.6 U	1.1 UJ	0.88 U	3.3 U
1,2-Dichloropropane	16,000	NS	1.9 U	1.6 UJ	2.1 U	1.4 UJ	1.2 U	4.4 U
Bromodichloromethane	29,000	NS	1.5 U	1.3 UJ	1.7 U	1.1 UJ	0.94 U	3.5 U
4-Methyl-2-pentanone	33,000,000	NS	8.5 U	7.3 UJ	9.3 U	6.4 UJ	5.3 U	19.5 U
Toluene	4,900,000	100,000	1.5 U	1.3 UJ	1.6 U	1.1 UJ	0.92 U	3.4 U
trans-1,3-Dichloropropene	NS	NS	1.5 U	1.3 UJ	1.7 U	1.2 UJ	0.95 U	3.5 U
cis-1,3-Dichloropropene	NS	NS	1.6 U	1.4 UJ	1.8 U	1.2 UJ	1 U	3.7 U
1,1,2-Trichloroethane	1,500	NS	2.2 U	1.9 UJ	2.4 U	1.6 UJ	1.3 U	5 U
2-Hexanone	200,000	NS	11.2 U	9.6 UJ	12.3 U	8.5 UJ	7 U	25.8 U
Dibromochloromethane	830,000	NS	2 U	1.7 UJ	2.2 U	1.5 UJ	1.2 U	4.6 U
1,2-Dibromoethane	3,600	NS	2 U	1.7 UJ	2.2 U	1.5 UJ	1.2 U	4.5 U
Tetrachloroethene	81,000	5,500	1.1 UJ	0.9 UJ	1.2 U	0.8 UJ	0.66 U	2.4 UJ
Chlorobenzene	280,000	100,000	1.2 UJ	1 UJ	1.3 U	0.9 UJ	0.74 U	2.8 UJ
Ethyl benzene	580,000	30,000	1.3 UJ	1.1 UJ	1.4 U	0.98 UJ	0.81 U	**3.7 J+**
m,p-Xylenes*	NS**	100,000	2.5 UJ	2.2 UJ	2.8 U	1.9 UJ	1.6 U	5.8 UJ
o-Xylene*	650,000	100,000	1.7 UJ	1.4 UJ	1.8 U	1.3 UJ	1 U	3.8 UJ
Styrene	6,000,000	NS	1.5 UJ	1.3 UJ	1.7 U	1.1 UJ	0.94 U	3.5 UJ
Bromoform	1,600,000	NS	5 UJ	4.3 UJ	5.5 U	3.8 UJ	3.1 U	11.5 UJ
Isopropylbenzene	1,900,000	NS	1.2 UJ	1.1 UJ	1.4 UJ	0.82 UJ	0.82 UJ	R
1,1,2,2-Tetrachloroethane	60,000	NS	1.5 UJ	1.4 UJ	1.8 UJ	1.0 UJ	1 UJ	R
1,3-Dichlorobenzene	NS	17,000	1.4 UJ	1.4 UJ	1.8 UJ	1.0 UJ	1 UJ	R
1,4-Dichlorobenzene	260,000	9,800	1.4 UJ	1.4 UJ	1.8 UJ	1.0 UJ	1 UJ	R
1,2-Dichlorobenzene	1,800,000	100,000	1.7 UJ	1.7 UJ	2.1 UJ	1.2 UJ	1.2 UJ	R
1,2-Dibromo-3-chloropropane	530	NS	4.4 UJ	4.3 UJ	5.6 UJ	3.2 UJ	3.1 UJ	R
1,2,4-Trichlorobenzene	58,000	NS	1.5 UJ	1.4 UJ	1.9 UJ	1.1 UJ	1.1 UJ	R
1,2,3-Trichlorobenzene	63,000	NS	1.7 UJ	1.7 UJ	2.1 UJ	1.2 UJ	1.2 UJ	R

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

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All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	4.2 U	1.3 U	1.8 U	1 U	1.5 U	1.6 UJ
Chloromethane	110,000	NS	8.2 U	2.5 U	3.4 U	2 U	2.9 U	3.1 UJ
Vinyl chloride	5,900	210	5.1 U	1.6 U	2.1 U	1.3 U	1.8 UJ	1.9 UJ
Bromomethane	6,800	NS	1.7 U	0.53 U	0.73 U	0.43 UJ	0.61 UJ	0.65 UJ
Chloroethane	14,000,000	NS	2.6 U	0.81 U	1.1 U	0.65 U	0.93 UJ	0.99 UJ
Trichlorofluoromethane	23,000,000	NS	3 U	0.9 U	1.2 U	0.73 U	1 U	1.1 UJ
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	3.7 U	1.1 U	1.5 U	0.91 U	1.3 U	1.4 UJ
1,1-Dichloroethene	230,000	100,000	4.6 U	1.4 U	1.9 U	1.1 U	1.6 U	1.7 UJ
Acetone	61,000,000	100,000	**280 J**	10.8 U	14.8 U	8.7 U	**14.8 J**	13.2 UJ
Carbon disulfide	770,000	NS	4.9 U	1.5 U	2.1 U	1.2 U	1.7 U	1.8 UJ
Methyl tert-butyl ether	4,700,000	62,000	6.4 U	2 U	2.7 U	1.6 U	2.3 U	2.4 UJ
Methyl acetate	78,000,000	NS	12.9 U	3.9 U	5.4 U	3.2 U	4.5 U	4.8 UJ
Methylene chloride	350,000	51,000	**39.1 J**	**12.9 J**	**21.9 J**	5.9 U	8.4 U	8.9 UJ
trans-1,2-Dichloroethene	1,600,000	100,000	5.8 U	1.8 U	2.4 U	1.4 U	2 U	2.2 UJ
1,1-Dichloroethane	360,000	19,000	4.2 U	1.3 U	1.8 U	1 U	1.5 U	1.6 UJ
Cyclohexane	6,500,000	NS	8.2 U	2.5 U	3.5 U	2 U	2.9 U	3.1 UJ
2-Butanone	27,000,000	100,000	30.6 U	9.3 U	12.9 U	7.6 U	10.8 U	11.5 UJ
Carbon tetrachloride	65,000	1,400	3.8 U	1.2 U	1.6 U	0.94 U	1.3 UJ	1.4 UJ
cis-1,2-Dichloroethene	160,000	59,000	4.5 U	1.4 U	1.9 U	1.1 U	1.6 U	1.7 UJ
Bromochloromethane	150,000	NS	5.5 U	1.7 U	2.3 U	1.4 U	1.9 UJ	2.1 UJ
Chloroform	32,000	10,000	4 U	1.2 U	1.7 U	0.98 U	1.4 UJ	1.5 UJ
1,1,1-Trichloroethane	8,100,000	100,000	4.9 U	1.5 U	2 U	1.2 U	1.7 UJ	1.8 UJ
Methylcyclohexane	NS	NS	5.4 U	1.7 U	2.3 U	1.3 U	1.9 U	2 UJ
Benzene	82,000	2,900	3.8 U	1.2 U	1.6 U	0.95 U	1.4 U	1.4 UJ
1,2-Dichloroethane	31,000	2,300	5.5 U	1.7 U	2.3 U	1.4 U	1.9 UJ	2.1 UJ
Trichloroethene	4,100	10,000	4.3 U	1.3 U	1.8 U	1.1 U	1.5 U	1.6 UJ
1,2-Dichloropropane	16,000	NS	5.7 U	1.7 U	2.4 U	1.4 U	2 U	2.1 UJ
Bromodichloromethane	29,000	NS	4.6 U	1.4 U	1.9 U	1.1 U	1.6 U	1.7 UJ
4-Methyl-2-pentanone	33,000,000	NS	25.7 U	7.8 U	10.8 U	6.4 U	9 U	9.6 UJ
Toluene	4,900,000	100,000	4.5 U	1.4 U	1.9 U	1.1 U	1.6 U	1.7 UJ
trans-1,3-Dichloropropene	NS	NS	4.6 U	1.4 U	1.9 U	1.1 U	1.6 U	1.7 UJ
cis-1,3-Dichloropropene	NS	NS	4.9 U	1.5 U	2.1 U	1.2 U	1.7 U	1.8 UJ
1,1,2-Trichloroethane	1,500	NS	6.5 U	2 U	2.7 U	1.6 U	2.3 U	2.4 UJ
2-Hexanone	200,000	NS	33.9 U	10.3 U	14.2 U	8.4 U	11.9 U	12.7 UJ
Dibromochloromethane	830,000	NS	6 U	1.8 U	2.5 U	1.5 U	2.1 U	2.3 UJ
1,2-Dibromoethane	3,600	NS	6 U	1.8 U	2.5 U	1.5 U	2.1 U	2.2 UJ
Tetrachloroethene	81,000	5,500	3.2 UJ	0.97 UJ	1.3 UJ	0.79 U	1.1 U	1.2 UJ
Chlorobenzene	280,000	100,000	3.6 UJ	1.1 UJ	1.5 UJ	0.9 U	1.3 U	1.4 UJ
Ethyl benzene	580,000	30,000	3.9 UJ	1.2 UJ	1.6 UJ	0.97 U	1.4 UJ	**3.6 J+**
m,p-Xylenes*	NS**	100,000	7.6 UJ	2.3 UJ	3.2 UJ	1.9 U	2.7 U	2.8 UJ
o-Xylene*	650,000	100,000	5 UJ	1.5 UJ	2.1 UJ	1.2 U	1.8 U	1.9 UJ
Styrene	6,000,000	NS	4.5 UJ	1.4 UJ	1.9 UJ	1.1 U	1.6 UJ	**5.4 J+**
Bromoform	1,600,000	NS	15.1 UJ	4.6 UJ	6.3 UJ	3.7 U	5.3 U	5.6 UJ
Isopropylbenzene	1,900,000	NS	R	1.2 UJ	R	0.99 UJ	1.4 UJ	**2.6 J+**
1,1,2,2-Tetrachloroethane	60,000	NS	R	1.5 UJ	R	1.2 UJ	1.8 UJ	R
1,3-Dichlorobenzene	NS	17,000	R	1.5 UJ	R	1.2 UJ	1.7 UJ	R
1,4-Dichlorobenzene	260,000	9,800	R	1.5 UJ	R	1.2 UJ	1.7 UJ	R
1,2-Dichlorobenzene	1,800,000	100,000	R	1.7 UJ	R	1.4 UJ	2.1 UJ	R
1,2-Dibromo-3-chloropropane	530	NS	R	4.6 UJ	R	3.8 UJ	5.4 UJ	R
1,2,4-Trichlorobenzene	58,000	NS	R	1.5 UJ	R	1.3 UJ	1.8 UJ	R
1,2,3-Trichlorobenzene	63,000	NS	R	1.7 UJ	R	1.4 UJ	2.1 UJ	R

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

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B - Analyte found in associated method blank

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[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

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All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS012-0206-01	P026-SS012-0612-01	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.9 U	1 U	0.77 U	0.95 U	1.3 U	1.1 U
Chloromethane	110,000	NS	1.8 U	2 U	1.5 U	1.9 U	2.5 U	2.1 U
Vinyl chloride	5,900	210	1.1 U	1.2 U	0.95 U	1.2 U	1.6 U	1.3 U
Bromomethane	6,800	NS	0.37 U	0.41 U	0.32 U	0.39 U	0.53 U	0.44 U
Chloroethane	14,000,000	NS	0.57 U	0.63 U	0.49 U	0.6 U	0.8 U	0.68 U
Trichlorofluoromethane	23,000,000	NS	0.64 U	0.71 U	0.55 U	0.67 U	0.9 U	0.76 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.79 U	0.88 U	0.68 U	0.84 U	1.1 U	0.94 U
1,1-Dichloroethene	230,000	100,000	0.98 U	1.1 U	0.85 U	1 U	1.4 U	1.2 U
Acetone	61,000,000	100,000	7.6 UJ	8.4 UJ	6.5 UJ	8 UJ	**49.7**	**220 J+**
Carbon disulfide	770,000	NS	1.1 U	1.2 U	0.91 U	1.1 U	1.5 U	1.3 U
Methyl tert-butyl ether	4,700,000	62,000	1.4 U	1.5 U	1.2 U	1.5 U	1.9 U	1.6 U
Methyl acetate	78,000,000	NS	2.8 U	3.1 U	2.4 U	2.9 U	3.9 U	3.3 U
Methylene chloride	350,000	51,000	5.1 U	5.7 U	4.4 U	5.4 U	**13.1 J+**	**16.3 J+**
trans-1,2-Dichloroethene	1,600,000	100,000	1.2 U	1.4 U	1.1 U	1.3 U	1.8 U	1.5 U
1,1-Dichloroethane	360,000	19,000	0.9 U	1 U	0.78 U	0.95 U	1.3 U	1.1 U
Cyclohexane	6,500,000	NS	1.8 U	2 U	1.5 U	1.9 U	2.5 U	2.1 U
2-Butanone	27,000,000	100,000	6.6 U	7.3 U	5.7 U	7 U	**27.1 J+**	7.8 U
Carbon tetrachloride	65,000	1,400	0.82 UJ	0.9 UJ	0.7 UJ	0.86 UJ	1.2 UJ	0.97 UJ
cis-1,2-Dichloroethene	160,000	59,000	0.98 U	1.1 U	0.84 U	1 U	1.4 U	1.2 U
Bromochloromethane	150,000	NS	1.2 UJ	1.3 U	1 UJ	1.2 UJ	1.7 U	1.4 U
Chloroform	32,000	10,000	0.86 U	0.95 U	0.74 U	0.9 U	1.2 U	1 U
1,1,1-Trichloroethane	8,100,000	100,000	1 U	1.2 U	0.9 U	1.1 U	1.5 U	1.2 U
Methylcyclohexane	NS	NS	1.2 U	1.3 U	1 UJ	1.2 U	1.6 U	1.4 U
Benzene	82,000	2,900	0.83 U	0.92 U	0.71 UJ	0.87 U	1.2 U	0.98 U
1,2-Dichloroethane	31,000	2,300	1.2 U	1.3 U	1 UJ	1.3 U	1.7 U	1.4 U
Trichloroethene	4,100	10,000	0.92 U	1 U	0.79 UJ	0.97 U	1.3 U	1.1 U
1,2-Dichloropropane	16,000	NS	1.2 U	1.4 U	1.1 UJ	1.3 U	1.7 U	1.5 U
Bromodichloromethane	29,000	NS	0.98 U	1.1 U	0.85 UJ	1 U	1.4 U	1.2 U
4-Methyl-2-pentanone	33,000,000	NS	5.5 U	6.1 U	4.8 UJ	5.8 U	7.8 U	6.6 U
Toluene	4,900,000	100,000	0.97 U	1.1 U	0.83 UJ	1 U	1.4 U	1.1 U
trans-1,3-Dichloropropene	NS	NS	1 U	1.1 U	0.86 UJ	1 U	1.4 U	1.2 U
cis-1,3-Dichloropropene	NS	NS	1.1 U	1.2 U	0.91 UJ	1.1 U	1.5 U	1.3 U
1,1,2-Trichloroethane	1,500	NS	1.4 U	1.6 U	1.2 UJ	1.5 U	2 U	1.7 U
2-Hexanone	200,000	NS	7.3 U	8.1 U	6.3 UJ	7.7 U	10.3 U	8.7 U
Dibromochloromethane	830,000	NS	1.3 U	1.4 U	1.1 UJ	1.4 U	1.8 U	1.5 U
1,2-Dibromoethane	3,600	NS	1.3 U	1.4 U	1.1 UJ	1.4 U	1.8 U	1.5 U
Tetrachloroethene	81,000	5,500	0.69 U	0.76 U	0.59 UJ	0.72 U	0.97 U	0.82 U
Chlorobenzene	280,000	100,000	0.78 U	0.86 U	0.67 UJ	0.82 U	1.1 U	0.92 U
Ethyl benzene	580,000	30,000	**1.7 J**	0.94 U	0.73 UJ	**1.3 J**	1.2 U	1 U
m,p-Xylenes*	NS**	100,000	1.6 U	1.8 U	1.4 UJ	1.7 U	2.3 U	1.9 U
o-Xylene*	650,000	100,000	1.1 U	1.2 U	0.94 UJ	1.1 U	1.5 U	1.3 U
Styrene	6,000,000	NS	**2.1 J**	1.1 U	0.84 UJ	**3 J**	1.4 U	1.2 U
Bromoform	1,600,000	NS	3.2 U	3.6 U	2.8 UJ	3.4 U	4.6 U	3.8 U
Isopropylbenzene	1,900,000	NS	0.86 UJ	0.95 U	0.74 UJ	0.9 U	1.2 UJ	1 UJ
1,1,2,2-Tetrachloroethane	60,000	NS	1.1 UJ	1.2 U	0.93 UJ	1.1 U	1.5 UJ	1.3 UJ
1,3-Dichlorobenzene	NS	17,000	1.1 UJ	1.2 U	0.91 UJ	1.1 U	1.5 UJ	1.2 UJ
1,4-Dichlorobenzene	260,000	9,800	1 UJ	1.2 U	0.9 UJ	1.1 U	1.5 UJ	1.2 UJ
1,2-Dichlorobenzene	1,800,000	100,000	1.3 UJ	1.4 U	1.1 UJ	1.3 U	1.8 UJ	1.5 UJ
1,2-Dibromo-3-chloropropane	530	NS	3.3 UJ	3.6 U	2.8 UJ	3.5 U	4.6 UJ	3.9 UJ
1,2,4-Trichlorobenzene	58,000	NS	1.1 UJ	1.2 U	0.95 UJ	1.2 U	1.6 UJ	1.3 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.3 UJ	1.4 U	1.1 UJ	1.3 U	1.8 UJ	1.5 UJ

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Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01	P026-SS014-0612-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	1.4 U	1 U	0.85 UJ	1.6 U	1.1 U	1 U
Chloromethane	110,000	NS	2.7 U	2 U	1.7 UJ	3.2 U	2.1 U	2.1 U
Vinyl chloride	5,900	210	1.7 U	1.3 U	1 UJ	2 U	1.3 U	1.3 U
Bromomethane	6,800	NS	0.58 U	0.43 U	0.35 UJ	0.68 U	0.45 U	0.44 U
Chloroethane	14,000,000	NS	0.88 U	0.65 U	0.54 UJ	1 U	0.68 U	0.66 U
Trichlorofluoromethane	23,000,000	NS	0.99 U	0.73 U	0.6 UJ	1.2 U	0.76 U	0.74 U
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	1.2 U	0.9 U	0.75 UJ	1.4 U	0.95 U	0.92 U
1,1-Dichloroethene	230,000	100,000	1.5 U	1.1 U	0.93 UJ	1.8 U	1.2 U	1.1 U
Acetone	61,000,000	100,000	11.8 U	8.6 U	7.2 UJ	**300**	**62.2 J**	8.8 U
Carbon disulfide	770,000	NS	1.6 U	1.2 U	1 UJ	1.9 U	1.3 U	1.2 U
Methyl tert-butyl ether	4,700,000	62,000	2.1 U	1.6 U	1.3 UJ	2.5 U	1.6 U	1.6 U
Methyl acetate	78,000,000	NS	4.3 U	3.2 U	2.6 UJ	5 U	3.3 U	3.2 U
Methylene chloride	350,000	51,000	8 U	**6.1 J+**	**7.2 J**	9.3 U	6.1 U	6 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.9 U	1.4 U	1.2 UJ	2.3 U	1.5 U	1.4 U
1,1-Dichloroethane	360,000	19,000	1.4 U	1 U	0.85 UJ	1.6 U	1.1 U	1 U
Cyclohexane	6,500,000	NS	2.8 U	2 U	1.7 UJ	3.2 U	2.1 U	2.1 U
2-Butanone	27,000,000	100,000	10.2 U	7.5 U	6.2 UJ	12 U	7.9 U	7.7 U
Carbon tetrachloride	65,000	1,400	1.3 UJ	0.93 UJ	0.77 UJ	1.5 U	0.98 UJ	0.95 UJ
cis-1,2-Dichloroethene	160,000	59,000	1.5 U	1.1 U	0.92 UJ	1.8 U	1.2 U	1.1 U
Bromochloromethane	150,000	NS	1.8 U	1.3 U	1.1 UJ	2.1 U	1.4 U	1.4 U
Chloroform	32,000	10,000	1.3 U	0.97 U	0.81 UJ	1.5 U	1 U	0.99 U
1,1,1-Trichloroethane	8,100,000	100,000	1.6 U	1.2 U	0.99 UJ	1.9 U	1.3 U	1.2 U
Methylcyclohexane	NS	NS	1.8 UJ	1.3 U	1.1 UJ	2.1 U	1.4 U	1.4 U
Benzene	82,000	2,900	1.3 UJ	0.94 U	0.78 UJ	1.5 U	0.99 U	0.97 U
1,2-Dichloroethane	31,000	2,300	1.8 UJ	1.4 U	1.1 UJ	2.2 U	1.4 U	1.4 U
Trichloroethene	4,100	10,000	1.4 UJ	1 U	0.87 UJ	1.7 U	1.1 U	1.1 U
1,2-Dichloropropane	16,000	NS	1.9 UJ	1.4 U	1.2 UJ	2.2 U	1.5 U	1.4 U
Bromodichloromethane	29,000	NS	1.5 UJ	1.1 U	0.93 UJ	1.8 U	1.2 U	1.1 U
4-Methyl-2-pentanone	33,000,000	NS	8.6 UJ	6.3 U	5.2 UJ	10 U	6.6 U	6.4 U
Toluene	4,900,000	100,000	1.5 UJ	1.1 U	0.91 UJ	1.8 U	1.2 U	1.1 U
trans-1,3-Dichloropropene	NS	NS	1.5 UJ	1.1 U	0.94 UJ	1.8 U	1.2 U	1.2 U
cis-1,3-Dichloropropene	NS	NS	1.6 UJ	1.2 U	1 UJ	1.9 U	1.3 U	1.2 U
1,1,2-Trichloroethane	1,500	NS	2.2 UJ	1.6 U	1.3 UJ	2.6 U	1.7 U	1.6 U
2-Hexanone	200,000	NS	11.3 UJ	8.3 U	6.9 UJ	13.2 U	8.7 U	8.5 U
Dibromochloromethane	830,000	NS	2 UJ	1.5 U	1.2 UJ	2.4 U	1.6 U	1.5 U
1,2-Dibromoethane	3,600	NS	2 UJ	1.5 U	1.2 UJ	2.3 U	1.5 U	1.5 U
Tetrachloroethene	81,000	5,500	1.1 UJ	0.78 U	0.65 UJ	1.2 UJ	0.82 U	0.8 U
Chlorobenzene	280,000	100,000	1.2 UJ	0.89 U	0.74 UJ	1.4 UJ	0.93 U	0.91 U
Ethyl benzene	580,000	30,000	1.3 UJ	0.96 U	0.8 UJ	1.5 UJ	1 U	0.98 U
m,p-Xylenes*	NS**	100,000	2.5 UJ	1.9 U	1.5 UJ	3 UJ	2 U	1.9 U
o-Xylene*	650,000	100,000	1.7 UJ	1.2 U	1 UJ	2 UJ	1.3 U	1.3 U
Styrene	6,000,000	NS	1.5 UJ	1.1 U	0.93 UJ	1.8 UJ	1.2 U	1.1 U
Bromoform	1,600,000	NS	5 UJ	3.7 U	3.1 UJ	5.9 UJ	3.9 U	3.8 U
Isopropylbenzene	1,900,000	NS	1.3 UJ	0.97 UJ	0.81 UJ	1.6 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.7 UJ	1.2 UJ	1 UJ	1.9 UJ	1.3 U	1.3 U
1,3-Dichlorobenzene	NS	17,000	1.6 UJ	1.2 UJ	0.99 UJ	1.9 UJ	1.3 U	1.2 U
1,4-Dichlorobenzene	260,000	9,800	1.6 UJ	1.2 UJ	0.99 UJ	1.9 UJ	1.2 U	1.2 U
1,2-Dichlorobenzene	1,800,000	100,000	1.9 UJ	1.4 UJ	1.2 UJ	2.3 UJ	1.5 U	1.5 U
1,2-Dibromo-3-chloropropane	530	NS	5.1 UJ	3.7 UJ	3.1 UJ	6 UJ	3.9 U	3.8 U
1,2,4-Trichlorobenzene	58,000	NS	1.7 UJ	1.3 UJ	1 UJ	2 UJ	1.3 U	1.3 U
1,2,3-Trichlorobenzene	63,000	NS	1.9 UJ	1.4 UJ	1.2 UJ	2.3 UJ	1.5 U	1.5 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS014-1218-01	P026-SS014-1824-01	P026-SS015-0002-01	P026-SS015-0206-01	P026-SS015-0612-01	P026-SS015-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.95 UJ	0.87 U	0.97 UJ	0.82 UJ	0.77 U	1 U
Chloromethane	110,000	NS	1.9 UJ	1.7 U	1.9 UJ	1.6 UJ	1.5 U	2 U
Vinyl chloride	5,900	210	1.2 UJ	1.1 U	1.2 UJ	1 UJ	0.94 U	1.2 U
Bromomethane	6,800	NS	0.4 UJ	0.36 U	0.41 UJ	0.34 UJ	0.32 UJ	0.42 UJ
Chloroethane	14,000,000	NS	0.6 UJ	0.55 U	0.62 UJ	0.52 UJ	0.49 U	0.64 U
Trichlorofluoromethane	23,000,000	NS	0.67 UJ	0.62 U	0.69 UJ	0.58 UJ	0.55 UJ	0.72 UJ
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.84 UJ	0.76 U	0.86 UJ	0.72 UJ	0.68 U	0.89 U
1,1-Dichloroethene	230,000	100,000	1 UJ	0.94 U	1.1 UJ	0.89 UJ	0.84 U	1.1 U
Acetone	61,000,000	100,000	8 UJ	7.3 U	8.2 UJ	6.9 UJ	6.5 U	8.5 U
Carbon disulfide	770,000	NS	1.1 UJ	1 U	1.1 UJ	0.96 UJ	0.91 U	1.2 U
Methyl tert-butyl ether	4,700,000	62,000	1.5 UJ	1.3 U	1.5 UJ	1.3 UJ	1.2 U	1.5 U
Methyl acetate	78,000,000	NS	2.9 UJ	2.7 UJ	3 UJ	2.5 UJ	2.4 U	3.1 U
Methylene chloride	350,000	51,000	**6.4 J**	5 U	5.6 UJ	4.7 UJ	4.4 U	5.8 U
trans-1,2-Dichloroethene	1,600,000	100,000	1.3 UJ	1.2 U	1.3 UJ	1.1 UJ	1.1 U	1.4 U
1,1-Dichloroethane	360,000	19,000	0.95 UJ	0.87 U	0.98 UJ	0.82 UJ	0.77 U	1 U
Cyclohexane	6,500,000	NS	1.9 UJ	1.7 U	1.9 UJ	1.6 UJ	1.5 U	2 U
2-Butanone	27,000,000	100,000	7 UJ	6.4 U	7.2 UJ	6 UJ	5.6 U	7.4 U
Carbon tetrachloride	65,000	1,400	0.86 UJ	0.79 UJ	0.88 UJ	0.74 UJ	0.7 U	0.92 U
cis-1,2-Dichloroethene	160,000	59,000	1 UJ	0.94 U	1.1 UJ	0.89 UJ	0.83 U	1.1 U
Bromochloromethane	150,000	NS	1.2 UJ	1.1 U	1.3 UJ	1.1 UJ	1 UJ	1.3 UJ
Chloroform	32,000	10,000	0.9 UJ	0.82 U	0.93 UJ	0.78 UJ	0.73 U	0.96 U
1,1,1-Trichloroethane	8,100,000	100,000	1.1 UJ	1 U	1.1 UJ	0.95 UJ	0.9 U	1.2 U
Methylcyclohexane	NS	NS	1.2 UJ	1.1 U	1.3 UJ	1.1 UJ	1 U	1.3 U
Benzene	82,000	2,900	0.88 UJ	0.8 U	0.9 UJ	0.75 UJ	0.71 U	0.93 U
1,2-Dichloroethane	31,000	2,300	1.3 UJ	1.1 U	1.3 UJ	1.1 UJ	1 U	1.3 U
Trichloroethene	4,100	10,000	0.97 UJ	0.89 U	1 UJ	0.84 UJ	0.79 U	1 U
1,2-Dichloropropane	16,000	NS	1.3 UJ	1.2 U	1.3 UJ	1.1 UJ	1.1 U	1.4 U
Bromodichloromethane	29,000	NS	1 UJ	0.95 U	1.1 UJ	0.89 UJ	0.84 U	1.1 U
4-Methyl-2-pentanone	33,000,000	NS	5.8 UJ	5.3 U	6 UJ	5 UJ	4.7 U	6.2 U
Toluene	4,900,000	100,000	1 UJ	0.93 U	1 UJ	0.88 UJ	0.83 U	1.1 U
trans-1,3-Dichloropropene	NS	NS	1.1 UJ	0.96 U	1.1 UJ	0.91 UJ	0.85 U	1.1 U
cis-1,3-Dichloropropene	NS	NS	1.1 UJ	1 U	1.1 UJ	0.96 UJ	0.91 U	1.2 U
1,1,2-Trichloroethane	1,500	NS	1.5 UJ	1.4 U	1.5 UJ	1.3 UJ	1.2 U	1.6 U
2-Hexanone	200,000	NS	7.7 UJ	7 U	7.9 UJ	6.6 UJ	6.2 U	8.2 U
Dibromochloromethane	830,000	NS	1.4 UJ	1.3 U	1.4 UJ	1.2 UJ	1.1 U	1.5 U
1,2-Dibromoethane	3,600	NS	1.4 UJ	1.2 U	1.4 UJ	1.2 UJ	1.1 U	1.4 U
Tetrachloroethene	81,000	5,500	0.73 UJ	0.66 U	0.75 UJ	0.63 UJ	0.59 U	0.77 U
Chlorobenzene	280,000	100,000	0.82 UJ	0.75 U	0.84 UJ	0.71 UJ	0.67 U	0.87 U
Ethyl benzene	580,000	30,000	0.89 UJ	0.81 U	0.92 UJ	0.77 UJ	0.72 U	0.95 U
m,p-Xylenes*	NS**	100,000	1.7 UJ	1.6 U	1.8 UJ	1.5 UJ	1.4 U	1.8 U
o-Xylene*	650,000	100,000	1.1 UJ	1 U	1.2 UJ	0.99 UJ	0.93 U	1.2 U
Styrene	6,000,000	NS	1 UJ	0.94 U	1.1 UJ	0.89 UJ	0.84 U	1.1 U
Bromoform	1,600,000	NS	3.4 UJ	3.1 U	3.5 UJ	3 UJ	2.8 U	3.6 U
Isopropylbenzene	1,900,000	NS	0.9 UJ	0.82 UJ	R	0.78 UJ	0.73 U	0.96 U
1,1,2,2-Tetrachloroethane	60,000	NS	1.1 UJ	1 UJ	R	0.98 UJ	0.92 U	1.2 U
1,3-Dichlorobenzene	NS	17,000	1.1 UJ	1 UJ	R	0.96 UJ	0.9 U	1.2 U
1,4-Dichlorobenzene	260,000	9,800	1.1 UJ	1 UJ	R	0.95 UJ	0.89 U	1.2 U
1,2-Dichlorobenzene	1,800,000	100,000	1.3 UJ	1.2 UJ	R	1.1 UJ	1.1 U	1.4 U
1,2-Dibromo-3-chloropropane	530	NS	3.5 UJ	3.2 UJ	R	3 UJ	2.8 U	3.7 U
1,2,4-Trichlorobenzene	58,000	NS	1.2 UJ	1.1 UJ	R	1 UJ	0.94 U	1.2 U
1,2,3-Trichlorobenzene	63,000	NS	1.3 UJ	1.2 U	R	1.1 UJ	1.1 UJ	1.4 UJ

Notes:

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TCL - Target Compound List

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J+ - Estimated value with a high bias

U - Not detected

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B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS015-1824-01	P026-SS015-1824-02	P026-SS016-0002-01	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.79 U	1 U	0.96 U	0.82 U	0.94 UJ	0.9 UJ
Chloromethane	110,000	NS	1.6 U	2 U	1.9 U	1.6 U	1.8 UJ	1.8 UJ
Vinyl chloride	5,900	210	0.97 U	1.3 U	1.2 U	1 U	1.1 UJ	1.1 UJ
Bromomethane	6,800	NS	0.33 UJ	0.43 UJ	0.4 UJ	0.34 UJ	0.39 UJ	0.38 UJ
Chloroethane	14,000,000	NS	0.5 U	0.66 U	0.61 UJ	0.52 UJ	0.59 UJ	0.57 UJ
Trichlorofluoromethane	23,000,000	NS	0.56 UJ	0.74 UJ	0.68 UJ	0.58 UJ	0.67 UJ	0.64 UJ
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.7 U	0.91 U	0.85 U	0.72 U	0.83 UJ	0.8 UJ
1,1-Dichloroethene	230,000	100,000	0.87 U	1.1 U	1.1 U	0.89 U	1 UJ	0.99 UJ
Acetone	61,000,000	100,000	6.7 U	8.8 U	**17.5 J**	6.9 UJ	7.9 UJ	7.6 UJ
Carbon disulfide	770,000	NS	0.94 U	1.2 U	1.1 U	0.96 U	1.1 UJ	1.1 UJ
Methyl tert-butyl ether	4,700,000	62,000	1.2 U	1.6 U	1.5 U	1.3 U	1.4 UJ	1.4 UJ
Methyl acetate	78,000,000	NS	2.5 U	3.2 U	3 U	2.5 U	2.9 UJ	2.8 UJ
Methylene chloride	350,000	51,000	4.5 U	5.9 U	5.5 U	4.7 U	5.4 UJ	5.2 UJ
trans-1,2-Dichloroethene	1,600,000	100,000	1.1 U	1.4 U	1.3 U	1.1 U	1.3 UJ	1.3 UJ
1,1-Dichloroethane	360,000	19,000	0.79 U	1 U	0.96 U	0.82 U	0.94 UJ	0.91 UJ
Cyclohexane	6,500,000	NS	1.6 U	2 U	1.9 U	1.6 U	1.9 UJ	1.8 UJ
2-Butanone	27,000,000	100,000	5.8 U	7.6 U	7.1 U	6 U	6.9 UJ	6.6 UJ
Carbon tetrachloride	65,000	1,400	0.72 U	0.94 U	0.87 UJ	0.74 UJ	0.85 UJ	0.82 UJ
cis-1,2-Dichloroethene	160,000	59,000	0.86 U	1.1 U	1 U	0.89 U	1 UJ	0.98 UJ
Bromochloromethane	150,000	NS	1 UJ	1.4 UJ	1.3 UJ	1.1 UJ	1.2 UJ	1.2 UJ
Chloroform	32,000	10,000	0.75 U	0.98 U	0.91 U	0.77 U	0.89 UJ	0.86 UJ
1,1,1-Trichloroethane	8,100,000	100,000	0.92 U	1.2 U	1.1 U	0.95 U	1.1 UJ	1.1 UJ
Methylcyclohexane	NS	NS	1 U	1.3 U	1.2 U	1.1 U	1.2 UJ	1.2 UJ
Benzene	82,000	2,900	0.73 U	0.96 U	0.89 U	0.75 U	0.87 UJ	0.83 UJ
1,2-Dichloroethane	31,000	2,300	1 U	1.4 U	1.3 U	1.1 U	1.2 UJ	1.2 UJ
Trichloroethene	4,100	10,000	0.81 U	1.1 U	0.99 U	0.84 U	0.96 UJ	0.93 UJ
1,2-Dichloropropane	16,000	NS	1.1 U	1.4 U	1.3 U	1.1 U	1.3 UJ	1.2 UJ
Bromodichloromethane	29,000	NS	0.87 U	1.1 U	1.1 UJ	0.89 UJ	1 UJ	0.99 UJ
4-Methyl-2-pentanone	33,000,000	NS	4.9 U	6.4 U	5.9 U	5 U	5.8 UJ	5.6 UJ
Toluene	4,900,000	100,000	0.85 U	1.1 U	1 U	0.88 U	1 UJ	0.97 UJ
trans-1,3-Dichloropropene	NS	NS	0.88 U	1.1 U	1.1 U	0.9 U	1 UJ	1 UJ
cis-1,3-Dichloropropene	NS	NS	0.93 U	1.2 U	1.1 U	0.96 U	1.1 UJ	1.1 UJ
1,1,2-Trichloroethane	1,500	NS	1.2 U	1.6 U	1.5 U	1.3 U	1.5 UJ	1.4 UJ
2-Hexanone	200,000	NS	6.4 U	8.4 U	7.8 U	6.6 U	7.6 UJ	7.3 UJ
Dibromochloromethane	830,000	NS	1.1 U	1.5 U	1.4 U	1.2 U	1.4 UJ	1.3 UJ
1,2-Dibromoethane	3,600	NS	1.1 U	1.5 U	1.4 U	1.2 U	1.3 UJ	1.3 UJ
Tetrachloroethene	81,000	5,500	0.61 U	0.79 U	0.74 U	0.62 U	0.72 UJ	0.69 UJ
Chlorobenzene	280,000	100,000	0.69 U	0.9 U	0.83 U	0.71 U	0.81 UJ	0.78 UJ
Ethyl benzene	580,000	30,000	**1.6 J**	0.97 U	0.9 U	0.77 U	0.88 UJ	0.85 UJ
m,p-Xylenes*	NS**	100,000	1.4 U	1.9 U	1.8 U	1.5 U	1.7 UJ	1.6 UJ
o-Xylene*	650,000	100,000	0.96 U	1.3 U	1.2 U	0.98 U	1.1 UJ	1.1 UJ
Styrene	6,000,000	NS	**1 J**	1.1 U	1.1 U	0.89 U	1 UJ	0.99 UJ
Bromoform	1,600,000	NS	2.9 U	3.7 U	3.5 U	2.9 U	3.4 UJ	3.3 UJ
Isopropylbenzene	1,900,000	NS	0.76 U	0.99 U	0.92 U	0.78 U	0.89 UJ	0.86 UJ
1,1,2,2-Tetrachloroethane	60,000	NS	0.95 U	1.2 U	1.2 U	0.98 U	1.1 UJ	1.1 UJ
1,3-Dichlorobenzene	NS	17,000	0.93 U	1.2 U	1.1 U	0.96 U	1.1 UJ	1.1 UJ
1,4-Dichlorobenzene	260,000	9,800	0.92 U	1.2 U	1.1 U	0.95 U	1.1 UJ	1.1 UJ
1,2-Dichlorobenzene	1,800,000	100,000	1.1 U	1.4 U	1.3 U	1.1 U	1.3 UJ	1.3 UJ
1,2-Dibromo-3-chloropropane	530	NS	2.9 U	3.8 U	3.5 U	3 U	3.4 UJ	3.3 UJ
1,2,4-Trichlorobenzene	58,000	NS	0.97 U	1.3 U	1.2 U	1 U	1.1 UJ	1.1 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.1 UJ	1.4 UJ	1.3 UJ	1.1 UJ	1.3 UJ	1.3 UJ

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS016-1824-01	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL VOC (µg/kg)								
Dichlorodifluoromethane	87,000	NS	0.85 UJ	2.6 UJ	1.2 UJ	1.3 UJ	2 UJ	1.1 UJ
Chloromethane	110,000	NS	1.7 UJ	5.1 UJ	2.4 UJ	2.5 UJ	4 UJ	2.1 UJ
Vinyl chloride	5,900	210	1 UJ	3.2 UJ	1.5 UJ	1.5 UJ	2.5 UJ	1.3 UJ
Bromomethane	6,800	NS	0.35 UJ	1.1 UJ	0.5 UJ	0.52 UJ	0.85 UJ	0.45 UJ
Chloroethane	14,000,000	NS	0.54 UJ	1.6 UJ	0.76 UJ	0.8 UJ	1.3 UJ	0.68 UJ
Trichlorofluoromethane	23,000,000	NS	0.6 UJ	1.8 UJ	0.85 UJ	0.89 UJ	1.4 UJ	0.77 UJ
1,1,2-Trichlorotrifluoroethane	6,700,000	NS	0.75 UJ	2.3 UJ	1.1 UJ	1.1 UJ	1.8 UJ	0.95 UJ
1,1-Dichloroethene	230,000	100,000	0.92 UJ	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
Acetone	61,000,000	100,000	7.2 UJ	21.8 UJ	10.1 UJ	**45.5 J**	17.2 UJ	9.1 UJ
Carbon disulfide	770,000	NS	1 UJ	3 UJ	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
Methyl tert-butyl ether	4,700,000	62,000	1.3 UJ	4 UJ	1.8 UJ	1.9 UJ	3.1 UJ	1.7 UJ
Methyl acetate	78,000,000	NS	2.6 UJ	8 UJ	3.7 UJ	3.9 UJ	6.3 UJ	3.3 UJ
Methylene chloride	350,000	51,000	4.8 UJ	14.8 UJ	6.9 UJ	7.2 UJ	11.6 UJ	6.2 UJ
trans-1,2-Dichloroethene	1,600,000	100,000	1.2 UJ	3.6 UJ	1.7 UJ	1.7 UJ	2.8 UJ	1.5 UJ
1,1-Dichloroethane	360,000	19,000	0.85 UJ	2.6 UJ	1.2 UJ	1.3 UJ	2 UJ	1.1 UJ
Cyclohexane	6,500,000	NS	1.7 UJ	5.1 UJ	2.4 UJ	2.5 UJ	4 UJ	2.1 UJ
2-Butanone	27,000,000	100,000	6.2 UJ	18.9 UJ	8.8 UJ	9.2 UJ	14.9 UJ	7.9 UJ
Carbon tetrachloride	65,000	1,400	0.77 UJ	2.3 UJ	1.1 UJ	1.1 UJ	1.8 UJ	0.98 UJ
cis-1,2-Dichloroethene	160,000	59,000	0.92 UJ	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
Bromochloromethane	150,000	NS	1.1 UJ	3.4 UJ	1.6 UJ	1.6 UJ	2.7 UJ	1.4 UJ
Chloroform	32,000	10,000	0.81 UJ	2.5 UJ	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
1,1,1-Trichloroethane	8,100,000	100,000	0.99 UJ	3 UJ	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
Methylcyclohexane	NS	NS	1.1 UJ	3.3 UJ	1.6 UJ	1.6 UJ	2.6 UJ	1.4 UJ
Benzene	82,000	2,900	0.78 UJ	2.4 UJ	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
1,2-Dichloroethane	31,000	2,300	1.1 UJ	3.4 UJ	1.6 UJ	1.7 UJ	2.7 UJ	1.4 UJ
Trichloroethene	4,100	10,000	0.87 UJ	2.6 UJ	1.2 UJ	1.3 UJ	2.1 UJ	1.1 UJ
1,2-Dichloropropane	16,000	NS	1.2 UJ	3.5 UJ	1.6 UJ	1.7 UJ	2.8 UJ	1.5 UJ
Bromodichloromethane	29,000	NS	0.93 UJ	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
4-Methyl-2-pentanone	33,000,000	NS	5.2 UJ	15.9 UJ	7.4 UJ	7.7 UJ	12.5 UJ	6.7 UJ
Toluene	4,900,000	100,000	0.91 UJ	2.8 UJ	1.3 UJ	1.3 UJ	2.2 UJ	1.2 UJ
trans-1,3-Dichloropropene	NS	NS	0.94 UJ	2.9 UJ	1.3 UJ	1.4 UJ	2.3 UJ	1.2 UJ
cis-1,3-Dichloropropene	NS	NS	1 UJ	3 UJ	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,1,2-Trichloroethane	1,500	NS	1.3 UJ	4 UJ	1.9 UJ	2 UJ	3.2 UJ	1.7 UJ
2-Hexanone	200,000	NS	6.9 UJ	21 UJ	9.7 UJ	10.2 UJ	16.5 UJ	8.8 UJ
Dibromochloromethane	830,000	NS	1.2 UJ	3.7 UJ	1.7 UJ	1.8 UJ	2.9 UJ	1.6 UJ
1,2-Dibromoethane	3,600	NS	1.2 UJ	3.7 UJ	1.7 UJ	1.8 UJ	2.9 UJ	1.5 UJ
Tetrachloroethene	81,000	5,500	0.65 UJ	2 UJ	0.92 UJ	0.96 UJ	1.6 UJ	0.83 UJ
Chlorobenzene	280,000	100,000	0.73 UJ	2.2 UJ	1 UJ	1.1 UJ	1.8 UJ	0.94 UJ
Ethyl benzene	580,000	30,000	0.8 UJ	2.4 UJ	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
m,p-Xylenes*	NS**	100,000	1.5 UJ	4.7 UJ	2.2 UJ	2.3 UJ	3.7 UJ	2 UJ
o-Xylene*	650,000	100,000	1 UJ	3.1 UJ	1.4 UJ	1.5 UJ	2.5 UJ	1.3 UJ
Styrene	6,000,000	NS	0.92 UJ	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
Bromoform	1,600,000	NS	3.1 UJ	9.3 UJ	4.3 UJ	4.5 UJ	7.3 UJ	3.9 UJ
Isopropylbenzene	1,900,000	NS	0.81 UJ	R	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
1,1,2,2-Tetrachloroethane	60,000	NS	1 UJ	R	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,3-Dichlorobenzene	NS	17,000	0.99 UJ	R	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,4-Dichlorobenzene	260,000	9,800	0.98 UJ	R	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,2-Dichlorobenzene	1,800,000	100,000	1.2 UJ	R	1.7 UJ	1.8 UJ	2.8 UJ	1.5 UJ
1,2-Dibromo-3-chloropropane	530	NS	3.1 UJ	R	4.4 UJ	4.6 UJ	7.5 UJ	4 UJ
1,2,4-Trichlorobenzene	58,000	NS	1 UJ	R	1.5 UJ	1.5 UJ	2.5 UJ	1.3 UJ
1,2,3-Trichlorobenzene	63,000	NS	1.2 UJ	R	1.7 UJ	1.8 UJ	2.8 UJ	1.5 UJ

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

VOC - Volatile Organic Compound

J - Estimated value

J+ - Estimated value with a high bias

U - Not detected

R - Rejected

B - Analyte found in associated method blank

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for total xylenes

**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene

Bold result values are detections

Table 2A: Validated Soil Analytical Results Summary Table - TCL VOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number			RB-190506	RB-190507	RB-190508
Sampling Date			5/6/2019	5/7/2019	5/8/2019
Sample Depth (Inches)			NA	NA	NA
Sample Matrix			Deionized Water	Deionized Water	Deionized Water
TCL VOC (µg/L)					
Dichlorodifluoromethane			0.22 U	0.22 U	0.22 U
Chloromethane			0.3 U	0.3 U	0.3 U
Vinyl chloride			0.16 U	0.16 U	0.16 U
Bromomethane			2.1 U	2.1 U	2.1 U
Chloroethane			0.34 U	0.34 U	0.34 U
Trichlorofluoromethane			0.16 U	0.16 U	0.16 U
1,1,2-Trichlorotrifluoroethane			0.21 U	0.21 U	0.21 U
1,1-Dichloroethene			0.18 U	0.18 U	0.18 U
Acetone			0.9 U	0.9 U	0.9 U
Carbon disulfide			0.23 U	0.23 U	0.23 U
Methyl tert-butyl ether			0.07 U	0.07 U	0.07 U
Methyl acetate			0.65 U	0.65 U	0.65 U
Methylene chloride			0.33 U	0.33 U	0.33 U
trans-1,2-Dichloroethene			0.24 U	0.24 U	0.24 U
1,1-Dichloroethane			0.17 U	0.17 U	0.17 U
Cyclohexane			1.2 U	1.2 U	1.2 U
2-Butanone			0.71 U	0.71 U	0.71 U
Carbon tetrachloride			0.22 U	0.22 U	0.22 U
cis-1,2-Dichloroethene			0.3 U	0.3 U	0.3 U
Bromochloromethane			0.31 U	0.31 UJ	0.31 UJ
Chloroform			0.14 U	0.14 U	0.14 U
1,1,1-Trichloroethane			0.12 U	0.12 U	0.12 U
Methylcyclohexane			0.17 U	0.17 U	0.17 U
Benzene			0.1 U	0.1 U	0.1 U
1,2-Dichloroethane			0.13 U	0.13 U	0.13 U
Trichloroethene			0.27 U	0.27 U	0.27 U
1,2-Dichloropropane			0.14 U	0.14 U	0.14 U
Bromodichloromethane			0.1 U	0.1 U	0.1 U
4-Methyl-2-pentanone			0.85 U	0.85 U	0.85 U
Toluene			0.12 U	0.12 U	0.12 U
trans-1,3-Dichloropropene			0.19 U	0.19 U	0.19 U
cis-1,3-Dichloropropene			0.16 U	0.16 U	0.16 U
1,1,2-Trichloroethane			0.12 U	0.12 U	0.12 U
2-Hexanone			1.4 U	1.4 U	1.4 U
Dibromochloromethane			0.16 U	0.16 U	0.16 U
1,2-Dibromoethane			0.14 U	0.14 U	0.14 U
Tetrachloroethene			0.15 U	0.15 U	0.15 U
Chlorobenzene			0.08 U	0.08 U	0.08 U
Ethyl benzene			0.08 U	0.08 U	0.08 U
m,p-Xylenes*			0.2 U	0.2 U	0.2 U
o-Xylene*			0.13 U	0.13 U	0.13 U
Styrene			0.11 U	0.11 U	0.11 U
Bromoform			0.15 U	0.15 U	0.15 U
Isopropylbenzene			0.13 U	0.13 U	0.13 U
1,1,2,2-Tetrachloroethane			0.15 U	0.15 U	0.15 U
1,3-Dichlorobenzene			0.14 U	0.14 U	0.14 U
1,4-Dichlorobenzene			0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene			0.12 U	0.12 U	0.12 U
1,2-Dibromo-3-chloropropane			0.54 U	0.54 U	0.54 U
1,2,4-Trichlorobenzene			0.24 U	0.24 U	0.24 U
1,2,3-Trichlorobenzene			0.26 U	0.26 U	0.26 U

Notes:
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VOC - Volatile Organic Compound
J - Estimated value
J+ - Estimated value with a high bias
U - Not detected
R - Rejected
B - Analyte found in associated method blank
NS - Not Specified
NA - Not Applicable
[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018
[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006
All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)
*RUSCO based on value for total xylenes
**No specified EPA RML for m,p-xylene; EPA RMLs are 550,000 µg/kg for m-xylene and 560,000 µg/kg for p-xylene
Bold result values are detections

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS001-0002-01	P021-SS001-0002-02	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01	P021-SS001-1824-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			0-2	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	120 U	120 U	120 U	120 U	110 U	110 U
Phenol	19,000,000	100,000	78.3 U	77 U	75.3 U	74 U	72.9 U	73.6 U
bis(2-Chloroethyl)ether	23,000	NS	130 U	130 U	120 U	120 U	120 U	120 U
2-Chlorophenol	390,000	NS	82.3 U	81 U	79.2 U	77.8 U	76.7 U	77.4 U
2-Methylphenol	3,200,000	100,000	87.7 U	86.3 U	84.4 U	82.9 U	81.7 U	82.4 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	110 U	110 U	100 U	100 U	100 U
Acetophenone	7,800,000	NS	120 U	110 U	110 U	110 U	110 U	110 U
3+4-Methylphenols	NS*	NS**	120 U	120 U	120 U	120 U	110 U	120 U
N-Nitroso-di-n-propylamine	7,800	NS	170 U	170 U	160 U	160 U	160 U	160 U
Hexachloroethane	45,000	NS	110 U	100 U	100 U	99.4 U	98 U	98.9 U
Nitrobenzene	130,000	NS	54.1 U	53.2 U	52.1 U	51.1 U	50.4 U	50.9 U
Isophorone	13,000,000	NS	45.8 U	45.1 U	44.1 U	43.3 U	42.6 U	43 U
2-Nitrophenol	NS	NS	95.3 U	93.8 U	91.7 U	90.1 U	88.8 U	89.6 U
2,4-Dimethylphenol	1,300,000	NS	68.9 U	67.8 U	66.3 U	65.1 U	64.2 U	64.8 U
Bis(2-Chloroethoxy)methane	190,000	NS	64.2 U	63.2 U	61.8 U	60.7 U	59.9 U	60.4 U
2,4-Dichlorophenol	190,000	NS	64 U	63 U	61.6 U	60.5 U	59.7 U	60.2 U
Naphthalene	130,000	100,000	62.1 U	61.2 U	59.8 U	58.7 U	57.9 U	58.4 U
4-Chloroaniline	250,000	NS	170 U	170 U	170 U	160 U	160 U	160 U
Hexachlorobutadiene	78,000	NS	75.9 U	74.7 U	73 U	71.7 U	70.7 U	71.3 U
Caprolactam	31,000,000	NS	140 U	140 U	130 U	130 U	130 U	130 U
4-Chloro-3-methylphenol	6,300,000	NS	73.9 U	72.7 U	71.1 U	69.8 U	68.8 U	69.5 U
2-Methylnaphthalene	240,000	NS	76.8 U	75.6 U	73.9 U	72.6 U	71.6 U	72.2 U
Hexachlorocyclopentadiene	1,800	NS	280 U	270 U	270 U	260 U	260 U	260 U
2,4,6-Trichlorophenol	63,000	NS	75.5 U	74.3 U	72.7 U	71.4 U	70.4 U	71 U
2,4,5-Trichlorophenol	6,300,000	NS	73.8 U	72.7 U	71.1 U	69.8 U	68.8 U	69.4 U
1,1-Biphenyl	47,000	NS	130 U	130 U	120 U	120 U	120 U	120 U
2-Chloronaphthalene	4,800,000	NS	94.1 U	92.6 U	90.6 U	89 U	87.7 U	88.5 U
2-Nitroaniline	630,000	NS	86.8 U	85.4 U	83.6 U	82.1 U	80.9 U	81.6 U
Dimethylphthalate	NS	NS	**480**	**470**	**360 J**	**400**	**490**	**470**
Acenaphthylene	NS	100,000	74.9 U	73.7 U	72.1 U	70.8 U	69.8 U	70.4 U
2,6-Dinitrotoluene	19,000	NS	88.2 U	86.8 U	84.9 U	83.4 U	82.2 U	82.9 U
3-Nitroaniline	NS	NS	160 U	160 U	160 U	150 U	150 U	150 U
Acenaphthene	3,600,000	100,000	84.7 U	83.3 U	81.5 U	80 U	78.9 U	79.6 U
2,4-Dinitrophenol	130,000	NS	110 U	110 U	110 U	100 U	100 U	100 U
4-Nitrophenol	NS	NS	80.6 U	79.4 U	77.6 U	76.2 U	75.1 U	75.8 U
Dibenzofuran	73,000	14,000	110 U	110 U	110 U	110 U	100 U	110 U
2,4-Dinitrotoluene	130,000	NS	100 U	100 U	100 U	98.2 U	96.8 U	97.6 U
Diethylphthalate	51,000,000	NS	78.9 U	77.7 U	76 U	74.6 U	73.6 U	74.2 U
4-Chlorophenyl-phenylether	NS	NS	100 U	100 U	100 U	98.5 U	97.1 U	97.9 U
Fluorene	2,400,000	100,000	63.6 U	62.6 U	61.2 U	60.1 U	59.3 U	59.8 U
4-Nitroaniline	250,000	NS	110 U	110 U	110 U	100 U	100 U	100 U
4,6-Dinitro-2-methylphenol	5,100	NS	87.2 U	85.8 U	83.9 U	82.4 U	81.2 U	81.9 U
N-Nitrosodiphenylamine	11,000,000	NS	96.6 U	95.1 U	93 U	91.3 U	90 U	90.8 U
4-Bromophenyl-phenylether	NS	NS	70.4 U	69.3 U	67.8 U	66.6 U	65.6 U	66.2 U
Hexachlorobenzene	21,000	330	83 U	81.7 U	79.9 U	78.5 U	77.4 U	78.1 U
Atrazine	240,000	NS	99.2 U	97.6 U	95.4 U	93.7 U	92.4 U	93.2 U
Pentachlorophenol	100,000	2,400	130 U	130 U	130 U	130 U	120 U	130 U
Phenanthrene	NS	100,000	71.2 U	70.1 U	68.6 U	67.3 U	66.4 U	67 U
Anthracene	18,000,000	100,000	69.6 U	68.5 U	67 U	65.8 U	64.9 U	65.4 U
Carbazole	NS	NS	110 U	110 U	110 U	110 U	100 U	110 U
Di-n-butylphthalate	6,300,000	NS	120 U	120 U	120 U	120 U	110 U	120 U
Fluoranthene	2,400,000	100,000	**110 J**	60.8 UJ	59.4 U	58.4 U	57.6 U	58.1 U
Pyrene	1,800,000	100,000	**100 J**	74.8 U	**110 J**	**98.6 J**	70.8 U	71.5 U
Butylbenzylphthalate	13,000,000	NS	79.7 U	78.4 U	76.7 U	75.3 U	74.2 U	74.9 U
3,3-Dichlorobenzidine	120,000	NS	180 U	180 U	180 U	170 U	170 U	170 U
Benzo(a)anthracene	110,000	1,000	46.9 U	46.2 U	45.2 U	44.4 U	43.7 U	44.1 U
Chrysene	11,000,000	1,000	53.1 U	52.3 U	51.1 U	50.2 U	49.5 U	49.9 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	110 U	110 U	110 U	110 U	110 U
Di-n-octyl phthalate	630,000	NS	89 U	87.6 U	85.7 U	84.1 U	82.9 U	83.7 U
Benzo(b)fluoranthene	110,000	1,000	**87.3 J**	59.8 U	58.5 U	57.4 U	56.6 U	57.1 U
Benzo(k)fluoranthene	1,100,000	1,000	70.3 U	69.2 U	67.7 U	66.5 U	65.5 U	66.1 U
Benzo(a)pyrene	11,000	1,000	55.4 U	54.5 U	53.3 U	52.3 U	51.6 U	52.1 U
Indeno(1,2,3-cd)pyrene	110,000	500	90.3 U	88.9 U	86.9 U	85.3 U	84.1 U	84.9 U
Dibenzo(a,h)anthracene	11,000	330	65.3 U	64.3 U	62.9 U	61.7 U	60.9 U	61.4 U
Benzo(g,h,i)perylene	NS	100,000	76.3 U	75.1 U	73.4 U	72.1 U	71.1 U	71.7 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	97.7 U	96.1 U	94 U	92.3 U	91 U	91.8 U
1,4-Dioxane	530,000	9,800	150 U	140 U	140 U	140 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	52 U	51.2 U	50 U	49.1 U	48.4 U	48.9 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01	P021-SS002-1824-01	P021-SS003-0002-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	120 U	110 U	120 U	120 U	130 U
Phenol	19,000,000	100,000	71.5 U	75.1 U	70.7 U	75.2 U	78.5 U	81.5 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	120 U	120 U	120 U	130 U	130 U
2-Chlorophenol	390,000	NS	75.1 U	79 U	74.3 U	79 U	82.5 U	85.7 U
2-Methylphenol	3,200,000	100,000	80.1 U	84.2 U	79.2 U	84.2 U	87.9 U	91.3 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	110 U	99.9 U	110 U	110 U	120 U
Acetophenone	7,800,000	NS	110 U	110 U	100 U	110 U	120 U	120 U
3+4-Methylphenols	NS*	NS**	110 U	120 U	110 U	120 U	120 U	130 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	160 U	150 U	160 U	170 U	180 U
Hexachloroethane	45,000	NS	96.1 U	100 U	95 U	100 U	110 U	110 U
Nitrobenzene	130,000	NS	49.4 U	51.9 U	48.9 U	52 U	54.2 U	56.3 U
Isophorone	13,000,000	NS	41.8 U	43.9 U	41.3 U	44 U	45.9 U	47.7 U
2-Nitrophenol	NS	NS	87 U	91.5 U	86.1 U	91.6 U	95.5 UJ	99.2 UJ
2,4-Dimethylphenol	1,300,000	NS	62.9 U	66.2 U	62.2 U	66.2 U	69.1 U	71.8 U
Bis(2-Chloroethoxy)methane	190,000	NS	58.6 U	61.7 U	58 U	61.7 U	64.4 U	66.9 U
2,4-Dichlorophenol	190,000	NS	58.5 U	61.5 U	57.8 U	61.5 U	64.2 UJ	66.7 UJ
Naphthalene	130,000	100,000	56.7 U	59.7 U	56.1 U	59.7 U	62.3 U	64.7 U
4-Chloroaniline	250,000	NS	160 U	160 U	160 U	170 U	170 U	180 U
Hexachlorobutadiene	78,000	NS	69.3 U	72.8 U	68.5 U	72.9 U	76 UJ	79 UJ
Caprolactam	31,000,000	NS	130 U	130 U	130 U	130 U	140 U	150 U
4-Chloro-3-methylphenol	6,300,000	NS	67.5 U	70.9 U	66.7 U	71 U	74.1 U	76.9 U
2-Methylnaphthalene	240,000	NS	70.1 U	73.7 U	69.4 U	73.8 U	77 U	80 U
Hexachlorocyclopentadiene	1,800	NS	250 U	270 U	250 U	270 U	280 U	290 U
2,4,6-Trichlorophenol	63,000	NS	68.9 U	72.5 U	68.2 U	72.5 U	75.7 U	78.6 U
2,4,5-Trichlorophenol	6,300,000	NS	67.4 U	70.9 U	66.7 U	70.9 U	74 UJ	76.9 UJ
1,1-Biphenyl	47,000	NS	120 U	120 U	120 U	120 U	130 U	140 U
2-Chloronaphthalene	4,800,000	NS	85.9 U	90.4 U	85 U	90.4 U	94.4 U	98 U
2-Nitroaniline	630,000	NS	79.3 U	83.3 U	78.4 U	83.4 U	87 UJ	90.4 UJ
Dimethylphthalate	NS	NS	**420**	**400**	**440**	**380 J**	**500**	**470**
Acenaphthylene	NS	100,000	68.4 U	71.9 U	67.6 U	71.9 U	75.1 U	78 U
2,6-Dinitrotoluene	19,000	NS	80.6 U	84.7 U	79.7 U	84.8 U	88.5 UJ	91.9 UJ
3-Nitroaniline	NS	NS	150 U	160 U	150 U	160 U	160 UJ	170 UJ
Acenaphthene	3,600,000	100,000	77.3 U	81.3 U	76.5 U	81.3 U	84.9 U	88.2 U
2,4-Dinitrophenol	130,000	NS	99.9 U	110 U	98.8 U	110 U	110 UJ	110 UJ
4-Nitrophenol	NS	NS	73.6 U	77.4 U	72.8 U	77.5 U	80.8 U	84 U
Dibenzofuran	73,000	14,000	100 U	110 U	100 U	110 U	110 U	120 U
2,4-Dinitrotoluene	130,000	NS	94.8 U	99.7 U	93.8 U	99.8 U	100 UJ	110 UJ
Diethylphthalate	51,000,000	NS	72.1 U	75.8 U	71.3 U	75.8 U	79.1 U	82.2 U
4-Chlorophenyl-phenylether	NS	NS	95.1 U	100 U	94.1 U	100 U	100 U	110 U
Fluorene	2,400,000	100,000	58.1 U	61.1 U	57.4 U	61.1 U	63.8 U	66.2 U
4-Nitroaniline	250,000	NS	99.8 U	100 U	98.7 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	5,100	NS	79.6 U	83.7 U	78.7 U	83.7 U	87.4 UJ	90.8 UJ
N-Nitrosodiphenylamine	11,000,000	NS	88.2 U	92.7 U	87.2 U	92.8 U	96.8 U	100 U
4-Bromophenyl-phenylether	NS	NS	64.3 U	67.6 U	63.6 U	67.7 U	70.6 U	73.3 U
Hexachlorobenzene	21,000	330	75.8 U	79.7 U	75 U	79.8 U	83.3 U	86.5 U
Atrazine	240,000	NS	90.5 U	95.2 U	89.6 U	95.3 U	99.4 U	100 U
Pentachlorophenol	100,000	2,400	120 U	130 U	120 U	130 U	130 U	140 U
Phenanthrene	NS	100,000	65.1 U	68.4 U	64.4 U	68.4 U	71.4 U	74.2 U
Anthracene	18,000,000	100,000	63.5 U	66.8 U	62.9 U	66.9 U	69.8 U	72.5 U
Carbazole	NS	NS	100 U	110 U	100 U	110 U	110 U	120 U
Di-n-butylphthalate	6,300,000	NS	110 U	120 U	110 U	120 U	120 U	130 U
Fluoranthene	2,400,000	100,000	56.4 U	59.3 U	55.8 U	59.3 U	61.9 U	64.3 U
Pyrene	1,800,000	100,000	**100 J**	73 U	68.7 U	73 U	76.2 U	79.2 U
Butylbenzylphthalate	13,000,000	NS	72.8 U	76.5 U	72 U	76.5 U	79.9 U	83 U
3,3-Dichlorobenzidine	120,000	NS	170 U	180 U	170 U	180 U	190 U	190 U
Benzo(a)anthracene	110,000	1,000	42.9 U	45.1 U	42.4 U	45.1 U	47.1 U	48.9 U
Chrysene	11,000,000	1,000	48.5 U	51 U	48 U	51 U	53.3 U	55.3 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	100 U	110 U	100 U	110 U	120 U	120 U
Di-n-octyl phthalate	630,000	NS	81.3 U	85.5 U	80.4 U	85.5 U	89.2 U	92.7 U
Benzo(b)fluoranthene	110,000	1,000	55.4 U	58.3 U	54.9 U	58.3 U	60.9 U	63.2 U
Benzo(k)fluoranthene	1,100,000	1,000	64.2 U	67.5 U	63.5 U	67.6 U	70.5 U	73.2 U
Benzo(a)pyrene	11,000	1,000	50.6 U	53.2 U	50 U	53.2 U	55.5 U	57.7 U
Indeno(1,2,3-cd)pyrene	110,000	500	82.4 U	86.7 U	81.5 U	86.7 U	90.5 U	94 U
Dibenzo(a,h)anthracene	11,000	330	59.6 U	62.7 U	59 U	62.7 U	65.5 U	68 U
Benzo(g,h,i)perylene	NS	100,000	69.7 U	73.3 U	68.9 U	73.3 U	76.5 U	79.4 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	89.2 U	93.8 U	88.2 U	93.8 U	97.9 U	100 U
1,4-Dioxane	530,000	9,800	130 U	140 U	130 U	140 U	150 U	150 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	47.5 U	49.9 U	46.9 U	49.9 U	52.1 U	54.1 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	120 UJ	120 UJ	120 UJ	120 UJ	130 U	120 UJ
Phenol	19,000,000	100,000	78.5 U	**85.4 J**	77.6 U	76.6 U	82 U	76.6 U
bis(2-Chloroethyl)ether	23,000	NS	130 U	130 U	130 U	130 U	140 U	130 U
2-Chlorophenol	390,000	NS	82.6 U	83.8 U	81.6 U	80.6 U	86.2 U	80.5 U
2-Methylphenol	3,200,000	100,000	88 U	89.3 U	86.9 U	85.8 U	91.9 U	85.8 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	110 U	110 U	110 U	120 U	110 U
Acetophenone	7,800,000	NS	120 U	120 U	120 U	110 U	120 U	110 U
3+4-Methylphenols	NS*	NS**	120 U	120 U	120 U	120 U	130 U	120 U
N-Nitroso-di-n-propylamine	7,800	NS	170 U	170 U	170 U	170 U	180 U	170 U
Hexachloroethane	45,000	NS	110 U	110 U	100 U	100 U	110 U	100 U
Nitrobenzene	130,000	NS	54.3 U	55.1 U	53.6 U	53 U	56.7 U	52.9 U
Isophorone	13,000,000	NS	45.9 U	46.6 U	45.4 U	44.8 U	48 U	44.8 U
2-Nitrophenol	NS	NS	95.6 UJ	97 UJ	94.5 UJ	93.3 UJ	99.9 UJ	93.2 UJ
2,4-Dimethylphenol	1,300,000	NS	69.1 U	70.2 U	68.3 U	67.5 U	72.2 U	67.4 U
Bis(2-Chloroethoxy)methane	190,000	NS	64.4 U	65.4 U	63.7 U	62.9 U	67.3 U	62.8 U
2,4-Dichlorophenol	190,000	NS	64.2 UJ	65.2 UJ	63.5 UJ	62.7 UJ	67.1 UJ	62.6 UJ
Naphthalene	130,000	100,000	62.3 U	63.3 U	61.6 U	60.8 U	65.1 U	60.8 U
4-Chloroaniline	250,000	NS	170 U	170 U	170 U	170 U	180 U	170 U
Hexachlorobutadiene	78,000	NS	76.1 UJ	77.2 UJ	75.2 UJ	74.3 UJ	79.5 UJ	74.2 UJ
Caprolactam	31,000,000	NS	140 U	140 U	140 U	140 U	150 U	140 U
4-Chloro-3-methylphenol	6,300,000	NS	74.1 U	75.2 U	73.2 U	72.3 U	77.4 U	72.3 U
2-Methylnaphthalene	240,000	NS	77 U	78.2 U	76.1 U	75.2 U	80.5 U	75.1 U
Hexachlorocyclopentadiene	1,800	NS	280 U	280 U	270 U	270 U	290 U	270 U
2,4,6-Trichlorophenol	63,000	NS	75.8 U	76.9 U	74.9 U	73.9 U	79.1 U	73.9 U
2,4,5-Trichlorophenol	6,300,000	NS	74.1 UJ	75.2 UJ	73.2 UJ	72.3 UJ	77.4 UJ	72.2 UJ
1,1-Biphenyl	47,000	NS	130 U	130 U	130 U	130 U	140 U	130 U
2-Chloronaphthalene	4,800,000	NS	94.4 U	95.8 U	93.3 U	92.1 U	98.6 U	92.1 U
2-Nitroaniline	630,000	NS	87.1 UJ	88.4 UJ	86.1 UJ	85 UJ	91 UJ	84.9 UJ
Dimethylphthalate	NS	NS	**700**	**270 J**	**450**	**540**	**770**	**560**
Acenaphthylene	NS	100,000	75.1 U	76.2 U	74.2 U	73.3 U	78.4 U	73.2 U
2,6-Dinitrotoluene	19,000	NS	88.5 UJ	89.8 UJ	87.5 UJ	86.4 UJ	92.5 UJ	86.3 UJ
3-Nitroaniline	NS	NS	160 U	160 U	160 U	160 U	170 UJ	160 U
Acenaphthene	3,600,000	100,000	84.9 U	86.2 U	83.9 U	82.9 U	88.7 U	82.8 U
2,4-Dinitrophenol	130,000	NS	110 U	110 U	110 U	110 U	110 UJ	110 U
4-Nitrophenol	NS	NS	80.9 U	82.1 U	79.9 U	78.9 U	84.5 U	78.9 U
Dibenzofuran	73,000	14,000	110 U	110 U	110 U	110 U	120 U	110 U
2,4-Dinitrotoluene	130,000	NS	100 UJ	110 UJ	100 UJ	100 UJ	110 UJ	100 UJ
Diethylphthalate	51,000,000	NS	79.2 U	80.4 U	78.2 U	77.3 U	82.7 U	77.2 U
4-Chlorophenyl-phenylether	NS	NS	100 U	110 U	100 U	100 U	110 U	100 U
Fluorene	2,400,000	100,000	63.8 U	64.8 U	63 U	62.3 U	66.6 U	62.2 U
4-Nitroaniline	250,000	NS	110 U	110 U	110 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	5,100	NS	87.4 U	88.7 U	86.4 U	85.3 U	91.3 UJ	85.3 U
N-Nitrosodiphenylamine	11,000,000	NS	96.9 U	98.3 U	95.7 U	94.6 U	100 U	94.5 U
4-Bromophenyl-phenylether	NS	NS	70.7 U	71.7 U	69.8 U	68.9 U	73.8 U	68.9 U
Hexachlorobenzene	21,000	330	83.3 U	84.6 U	82.3 U	81.3 U	87 U	81.2 U
Atrazine	240,000	NS	99.5 U	100 U	98.3 U	97.1 U	100 U	97 U
Pentachlorophenol	100,000	2,400	130 U	140 U	130 U	130 U	140 U	130 U
Phenanthrene	NS	100,000	71.5 U	72.5 U	70.6 U	69.8 U	74.7 U	69.7 U
Anthracene	18,000,000	100,000	69.8 U	70.9 U	69 U	68.1 U	72.9 U	68.1 U
Carbazole	NS	NS	110 U	110 U	110 U	110 U	120 U	110 U
Di-n-butylphthalate	6,300,000	NS	120 U	130 U	120 U	120 U	130 U	120 U
Fluoranthene	2,400,000	100,000	62 U	62.9 U	61.2 U	60.5 U	64.7 U	60.4 U
Pyrene	1,800,000	100,000	76.3 U	77.4 U	75.4 U	74.4 U	79.7 U	74.4 U
Butylbenzylphthalate	13,000,000	NS	79.9 U	81.1 U	79 U	78 U	83.5 U	77.9 U
3,3-Dichlorobenzidine	120,000	NS	190 U	190 U	180 U	180 U	190 U	180 U
Benzo(a)anthracene	110,000	1,000	47.1 U	47.8 U	46.5 U	46 U	49.2 U	45.9 U
Chrysene	11,000,000	1,000	53.3 U	54.1 U	52.7 U	52 U	55.7 U	52 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	120 U	120 U	110 U	110 U	120 U	110 U
Di-n-octyl phthalate	630,000	NS	89.3 U	90.6 U	88.2 U	87.1 U	93.3 U	87.1 U
Benzo(b)fluoranthene	110,000	1,000	60.9 U	61.8 U	60.2 U	59.5 U	63.6 U	59.4 U
Benzo(k)fluoranthene	1,100,000	1,000	70.6 UJ	71.6 UJ	69.7 UJ	68.8 UJ	73.7 U	68.8 UJ
Benzo(a)pyrene	11,000	1,000	55.5 U	56.4 U	54.9 U	54.2 U	58 U	54.2 U
Indeno(1,2,3-cd)pyrene	110,000	500	90.6 U	91.9 U	89.5 U	88.4 U	94.6 U	88.3 U
Dibenzo(a,h)anthracene	11,000	330	65.5 U	66.5 U	64.7 U	63.9 U	68.4 U	63.9 U
Benzo(g,h,i)perylene	NS	100,000	76.5 U	77.7 U	75.6 U	74.7 U	79.9 U	74.6 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	98 U	99.4 U	96.8 U	95.6 U	100 U	95.5 U
1,4-Dioxane	530,000	9,800	150 U	150 U	140 U	140 U	150 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	52.1 U	52.9 U	51.5 U	50.9 U	54.5 U	50.8 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

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All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS004-0612-01	P021-SS004-1218-01	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 UJ	110 U	110 U	130 U	120 U	110 U
Phenol	19,000,000	100,000	71.5 U	72 U	71.8 U	81 U	74.5 U	69.1 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	120 U	120 U	130 U	120 U	110 U
2-Chlorophenol	390,000	NS	75.1 U	75.7 U	75.5 U	85.1 U	78.3 U	72.7 U
2-Methylphenol	3,200,000	100,000	80.1 U	80.7 U	80.4 U	90.7 U	83.5 U	77.4 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	100 U	100 U	110 U	110 U	97.6 U
Acetophenone	7,800,000	NS	110 U	110 U	110 U	120 U	110 U	100 U
3+4-Methylphenols	NS*	NS**	110 U	110 U	110 U	130 U	120 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	160 U	160 U	180 U	160 U	150 U
Hexachloroethane	45,000	NS	96.1 U	96.8 U	96.5 U	110 U	100 U	92.9 U
Nitrobenzene	130,000	NS	49.4 U	49.8 U	49.6 U	56 U	51.5 U	47.8 U
Isophorone	13,000,000	NS	41.8 U	42.1 U	42 U	47.3 U	43.6 U	40.4 U
2-Nitrophenol	NS	NS	87 UJ	87.7 UJ	87.4 UJ	98.6 U	90.7 U	84.2 UJ
2,4-Dimethylphenol	1,300,000	NS	62.9 U	63.4 U	63.2 U	71.3 U	65.6 U	60.9 U
Bis(2-Chloroethoxy)methane	190,000	NS	58.7 U	59.1 U	58.9 U	66.4 U	61.2 U	56.7 U
2,4-Dichlorophenol	190,000	NS	58.5 UJ	58.9 U	58.7 U	66.2 U	61 U	56.6 U
Naphthalene	130,000	100,000	56.7 U	57.2 U	57 U	64.3 U	59.2 U	54.9 U
4-Chloroaniline	250,000	NS	160 U	160 U	160 U	180 U	160 U	150 U
Hexachlorobutadiene	78,000	NS	69.3 UJ	69.8 U	69.6 U	78.5 U	72.2 U	67 U
Caprolactam	31,000,000	NS	130 U	130 U	130 U	140 U	130 U	120 U
4-Chloro-3-methylphenol	6,300,000	NS	67.5 U	68 U	67.8 U	76.4 U	70.3 U	65.3 U
2-Methylnaphthalene	240,000	NS	70.1 U	70.7 U	70.5 U	79.4 U	73.1 U	67.8 U
Hexachlorocyclopentadiene	1,800	NS	250 U	250 U	250 U	290 U	260 U	240 U
2,4,6-Trichlorophenol	63,000	NS	69 U	69.5 U	69.3 U	78.1 U	71.9 U	66.7 U
2,4,5-Trichlorophenol	6,300,000	NS	67.4 UJ	67.9 U	67.7 U	76.4 U	70.3 U	65.2 U
1,1-Biphenyl	47,000	NS	120 U	120 U	120 U	130 U	120 U	110 U
2-Chloronaphthalene	4,800,000	NS	85.9 U	86.6 U	86.3 U	97.4 U	89.6 U	83.1 U
2-Nitroaniline	630,000	NS	79.3 UJ	79.9 U	79.6 U	89.8 U	82.7 U	76.7 U
Dimethylphthalate	NS	NS	**550**	**440**	**360 J**	**630**	**430**	**400**
Acenaphthylene	NS	100,000	68.4 U	68.9 U	68.7 U	77.4 U	71.3 U	66.1 U
2,6-Dinitrotoluene	19,000	NS	80.6 UJ	81.2 U	80.9 U	91.3 U	84 U	77.9 U
3-Nitroaniline	NS	NS	150 U	150 U	150 U	170 U	150 U	140 U
Acenaphthene	3,600,000	100,000	77.3 U	77.9 U	77.7 U	87.6 U	80.6 U	74.8 U
2,4-Dinitrophenol	130,000	NS	99.9 U	100 UJ	100 UJ	110 U	100 U	96.6 UJ
4-Nitrophenol	NS	NS	73.6 U	74.2 U	74 U	83.4 U	76.8 U	71.2 U
Dibenzofuran	73,000	14,000	100 U	100 U	100 U	120 U	110 U	99.1 U
2,4-Dinitrotoluene	130,000	NS	94.9 UJ	95.6 U	95.3 U	110 U	98.9 U	91.7 U
Diethylphthalate	51,000,000	NS	72.1 U	72.6 U	72.4 U	81.7 U	75.2 U	69.7 U
4-Chlorophenyl-phenylether	NS	NS	95.1 U	95.8 U	95.6 U	110 U	99.2 U	92 U
Fluorene	2,400,000	100,000	58.1 U	58.5 U	58.4 U	65.8 U	60.6 U	56.2 U
4-Nitroaniline	250,000	NS	99.8 U	100 U	100 U	110 U	100 U	96.6 U
4,6-Dinitro-2-methylphenol	5,100	NS	79.6 U	80.2 UJ	80 UJ	90.2 U	83 U	77 UJ
N-Nitrosodiphenylamine	11,000,000	NS	88.2 U	88.9 U	88.6 U	99.9 U	92 U	85.3 U
4-Bromophenyl-phenylether	NS	NS	64.3 U	64.8 U	64.6 U	72.9 U	67 U	62.2 U
Hexachlorobenzene	21,000	330	75.8 U	76.4 U	76.2 U	85.9 U	79.1 U	73.3 U
Atrazine	240,000	NS	90.6 U	91.2 U	91 U	100 U	94.4 U	87.6 U
Pentachlorophenol	100,000	2,400	120 U	120 U	120 U	140 U	130 U	120 U
Phenanthrene	NS	100,000	65.1 U	65.5 U	65.4 U	73.7 U	67.8 U	62.9 U
Anthracene	18,000,000	100,000	63.6 U	64 U	63.9 U	72 U	66.3 U	61.5 U
Carbazole	NS	NS	100 U	100 U	100 U	120 U	110 U	99.1 U
Di-n-butylphthalate	6,300,000	NS	110 U	110 U	110 U	130 U	120 U	110 U
Fluoranthene	2,400,000	100,000	56.4 U	56.8 U	56.7 U	63.9 U	58.8 U	54.5 U
Pyrene	1,800,000	100,000	69.4 U	70 U	69.8 U	78.7 U	72.4 U	67.2 U
Butylbenzylphthalate	13,000,000	NS	72.8 U	73.3 U	73.1 U	82.4 U	75.9 U	70.4 U
3,3-Dichlorobenzidine	120,000	NS	170 U	170 U	170 U	190 U	180 U	160 U
Benzo(a)anthracene	110,000	1,000	42.9 U	43.2 U	43.1 U	48.6 U	44.7 U	41.5 U
Chrysene	11,000,000	1,000	48.5 U	48.9 U	48.7 U	54.9 U	50.6 U	46.9 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	100 U	110 U	110 U	120 U	110 U	100 U
Di-n-octyl phthalate	630,000	NS	81.3 U	81.9 U	81.7 U	92.1 U	84.8 U	78.6 U
Benzo(b)fluoranthene	110,000	1,000	55.5 U	55.9 U	55.7 U	62.8 U	57.8 U	53.6 U
Benzo(k)fluoranthene	1,100,000	1,000	64.2 UJ	64.7 U	64.5 U	72.8 U	67 U	62.1 U
Benzo(a)pyrene	11,000	1,000	50.6 U	50.9 U	50.8 U	57.3 U	52.7 U	48.9 U
Indeno(1,2,3-cd)pyrene	110,000	500	82.5 U	83.1 UJ	82.8 UJ	93.4 U	86 U	79.7 UJ
Dibenzo(a,h)anthracene	11,000	330	59.6 U	60.1 U	59.9 U	67.6 U	62.2 U	57.7 U
Benzo(g,h,i)perylene	NS	100,000	69.7 U	70.2 U	70 U	78.9 U	72.6 U	67.4 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	89.2 U	89.8 U	89.6 U	100 U	93 U	86.3 U
1,4-Dioxane	530,000	9,800	130 U	130 U	130 U	150 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	47.5 U	47.8 U	47.7 U	53.8 U	49.5 U	45.9 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01	P021-SS006-1218-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	100 U	130 U	120 U	100 U	110 U
Phenol	19,000,000	100,000	68.1 U	66.3 U	84 U	74 U	67.3 U	68.1 U
bis(2-Chloroethyl)ether	23,000	NS	110 U	110 U	140 U	120 U	110 U	110 U
2-Chlorophenol	390,000	NS	71.6 U	69.7 U	88.3 U	77.8 U	70.8 U	71.6 U
2-Methylphenol	3,200,000	100,000	76.3 U	74.3 U	94.1 U	82.9 U	75.4 U	76.3 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	96.2 U	93.7 U	120 U	100 U	95.1 U	96.2 U
Acetophenone	7,800,000	NS	100 U	98.5 U	120 U	110 U	100 U	100 U
3+4-Methylphenols	NS*	NS**	110 U	100 U	130 U	120 U	110 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	150 U	140 U	180 U	160 U	150 U	150 U
Hexachloroethane	45,000	NS	91.5 U	89.2 U	110 U	99.5 U	90.5 U	91.6 U
Nitrobenzene	130,000	NS	47.1 U	45.8 U	58.1 U	51.2 U	46.6 U	47.1 U
Isophorone	13,000,000	NS	39.8 U	38.8 U	49.1 U	43.3 U	39.4 U	39.8 U
2-Nitrophenol	NS	NS	82.9 UJ	80.8 UJ	100 U	90.1 U	82 UJ	82.9 UJ
2,4-Dimethylphenol	1,300,000	NS	59.9 U	58.4 U	74 U	65.2 U	59.3 U	60 U
Bis(2-Chloroethoxy)methane	190,000	NS	55.9 U	54.4 U	69 U	60.7 U	55.3 U	55.9 U
2,4-Dichlorophenol	190,000	NS	55.7 U	54.3 U	68.7 U	60.5 U	55.1 U	55.7 U
Naphthalene	130,000	100,000	54.1 U	52.7 U	66.7 U	58.8 U	53.5 U	54.1 U
4-Chloroaniline	250,000	NS	150 U	150 U	180 U	160 U	150 U	150 U
Hexachlorobutadiene	78,000	NS	66 U	64.3 U	81.4 U	71.7 U	65.3 U	66 U
Caprolactam	31,000,000	NS	120 U	120 U	150 U	130 U	120 U	120 U
4-Chloro-3-methylphenol	6,300,000	NS	64.3 U	62.6 U	79.3 U	69.9 U	63.6 U	64.3 U
2-Methylnaphthalene	240,000	NS	66.8 U	65.1 U	82.4 U	72.6 U	66.1 U	66.8 U
Hexachlorocyclopentadiene	1,800	NS	240 U	230 U	300 U	260 U	240 U	240 U
2,4,6-Trichlorophenol	63,000	NS	65.7 U	64 U	81.1 U	71.4 U	65 U	65.7 U
2,4,5-Trichlorophenol	6,300,000	NS	64.2 U	62.6 U	79.3 U	69.8 U	63.5 U	64.3 U
1,1-Biphenyl	47,000	NS	110 U	110 U	140 U	120 U	110 U	110 U
2-Chloronaphthalene	4,800,000	NS	81.9 U	79.8 U	100 U	89 U	81 U	81.9 U
2-Nitroaniline	630,000	NS	75.5 U	73.6 U	93.2 U	82.1 U	74.7 U	75.6 U
Dimethylphthalate	NS	NS	**220 J**	**240 J**	**360 J**	**380 J**	**270 J**	**250 J**
Acenaphthylene	NS	100,000	65.1 U	63.4 U	80.4 U	70.8 U	64.4 U	65.2 U
2,6-Dinitrotoluene	19,000	NS	76.8 U	74.8 U	94.7 U	83.4 U	75.9 U	76.8 U
3-Nitroaniline	NS	NS	140 U	140 U	170 U	150 U	140 U	140 U
Acenaphthene	3,600,000	100,000	73.7 U	71.8 U	90.9 U	80.1 U	72.9 U	73.7 U
2,4-Dinitrophenol	130,000	NS	95.2 UJ	92.7 UJ	120 U	100 U	94.2 UJ	95.2 UJ
4-Nitrophenol	NS	NS	70.1 U	68.3 U	86.6 U	76.2 U	69.4 U	70.2 U
Dibenzofuran	73,000	14,000	97.6 U	95.1 U	120 U	110 U	96.6 U	97.7 U
2,4-Dinitrotoluene	130,000	NS	90.4 U	88 U	110 U	98.2 U	89.4 U	90.4 U
Diethylphthalate	51,000,000	NS	68.7 U	66.9 U	84.7 U	74.6 U	67.9 U	68.7 U
4-Chlorophenyl-phenylether	NS	NS	90.6 U	88.3 U	110 U	98.5 U	89.6 U	90.7 U
Fluorene	2,400,000	100,000	55.3 U	53.9 U	68.3 U	60.1 U	54.7 U	55.4 U
4-Nitroaniline	250,000	NS	95.1 U	92.7 U	120 U	100 U	94.1 U	95.1 U
4,6-Dinitro-2-methylphenol	5,100	NS	75.8 UJ	73.9 UJ	93.6 U	82.4 U	75 UJ	75.9 UJ
N-Nitrosodiphenylamine	11,000,000	NS	84 U	81.9 U	100 U	91.3 U	83.1 U	84.1 U
4-Bromophenyl-phenylether	NS	NS	61.3 U	59.7 U	75.6 U	66.6 U	60.6 U	61.3 U
Hexachlorobenzene	21,000	330	72.2 U	70.4 U	89.1 U	78.5 U	71.5 U	72.3 U
Atrazine	240,000	NS	86.3 U	84 U	110 U	93.8 U	85.3 U	86.3 U
Pentachlorophenol	100,000	2,400	120 U	110 U	140 U	130 U	120 U	120 U
Phenanthrene	NS	100,000	62 U	60.4 U	76.5 U	67.4 U	61.3 U	62 U
Anthracene	18,000,000	100,000	60.5 U	59 U	74.7 U	65.8 U	59.9 U	60.6 U
Carbazole	NS	NS	97.6 U	95.1 U	120 U	110 U	96.5 U	97.6 U
Di-n-butylphthalate	6,300,000	NS	110 U	100 U	130 U	120 U	110 U	110 U
Fluoranthene	2,400,000	100,000	53.7 U	52.3 U	**94.5 J**	58.4 U	53.1 U	53.8 U
Pyrene	1,800,000	100,000	66.1 U	64.4 U	81.6 U	71.9 U	65.4 U	66.2 U
Butylbenzylphthalate	13,000,000	NS	69.3 U	67.5 U	85.5 U	75.3 U	68.6 U	69.3 U
3,3-Dichlorobenzidine	120,000	NS	160 U	160 U	200 U	170 U	160 U	160 U
Benzo(a)anthracene	110,000	1,000	40.8 U	39.8 U	50.4 U	44.4 U	40.4 U	40.9 U
Chrysene	11,000,000	1,000	46.2 U	45 U	57 U	50.2 U	45.7 U	46.2 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	100 U	97.4 U	120 U	110 U	98.9 U	100 U
Di-n-octyl phthalate	630,000	NS	77.4 U	75.4 U	95.6 U	84.2 U	76.6 U	77.5 U
Benzo(b)fluoranthene	110,000	1,000	52.8 U	51.5 U	65.2 U	57.4 U	52.3 U	52.9 U
Benzo(k)fluoranthene	1,100,000	1,000	61.2 U	59.6 U	75.5 U	66.5 U	60.5 U	61.2 U
Benzo(a)pyrene	11,000	1,000	48.2 U	46.9 U	59.4 U	52.4 U	47.6 U	48.2 U
Indeno(1,2,3-cd)pyrene	110,000	500	78.5 UJ	76.5 UJ	96.9 U	85.4 U	77.7 UJ	78.6 UJ
Dibenzo(a,h)anthracene	11,000	330	56.8 U	55.4 U	70.1 U	61.8 U	56.2 U	56.8 U
Benzo(g,h,i)perylene	NS	100,000	66.4 U	64.7 U	81.9 U	72.1 U	65.7 U	66.4 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	85 U	82.8 U	100 U	92.3 U	84 U	85 U
1,4-Dioxane	530,000	9,800	130 U	120 U	160 U	140 U	130 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	45.2 U	44 U	55.8 U	49.1 U	44.7 U	45.2 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01	P021-SS007-1218-01	P021-SS007-1824-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	100 U	120 U	130 U	120 U	120 U	110 U
Phenol	19,000,000	100,000	67 U	80.1 U	81.7 U	76.1 U	74.8 U	69.3 U
bis(2-Chloroethyl)ether	23,000	NS	110 U	130 U	130 U	130 U	120 U	110 U
2-Chlorophenol	390,000	NS	70.4 U	84.2 U	85.9 U	80 U	78.7 U	72.9 U
2-Methylphenol	3,200,000	100,000	75 U	89.8 U	91.5 U	85.3 U	83.8 U	77.6 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	94.6 U	110 U	120 U	110 U	110 U	97.9 U
Acetophenone	7,800,000	NS	99.4 U	120 U	120 U	110 U	110 U	100 U
3+4-Methylphenols	NS*	NS**	100 U	130 U	130 U	120 U	120 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	150 U	170 U	180 U	170 U	160 U	150 U
Hexachloroethane	45,000	NS	90 U	110 U	110 U	100 U	100 U	93.1 U
Nitrobenzene	130,000	NS	46.3 U	55.4 U	56.4 U	52.6 U	51.7 U	47.9 U
Isophorone	13,000,000	NS	39.2 U	46.9 U	47.8 U	44.5 U	43.8 U	40.5 U
2-Nitrophenol	NS	NS	81.5 UJ	97.6 UJ	99.4 UJ	92.7 UJ	91.1 UJ	84.4 UJ
2,4-Dimethylphenol	1,300,000	NS	59 U	70.6 U	71.9 U	67 U	65.9 U	61 U
Bis(2-Chloroethoxy)methane	190,000	NS	55 U	65.8 U	67 U	62.5 U	61.4 U	56.9 U
2,4-Dichlorophenol	190,000	NS	54.8 U	65.6 U	66.8 U	62.3 U	61.2 U	56.7 U
Naphthalene	130,000	100,000	53.2 U	63.6 U	64.8 U	60.4 U	59.4 U	55 U
4-Chloroaniline	250,000	NS	150 U	180 U	180 U	170 U	160 U	150 U
Hexachlorobutadiene	78,000	NS	64.9 U	77.7 U	79.1 U	73.8 U	72.5 U	67.2 U
Caprolactam	31,000,000	NS	120 U	140 U	150 U	140 U	130 U	120 U
4-Chloro-3-methylphenol	6,300,000	NS	63.2 U	75.6 U	77.1 U	71.9 U	70.6 U	65.4 U
2-Methylnaphthalene	240,000	NS	65.7 U	78.6 U	80.1 U	74.7 U	73.4 U	68 U
Hexachlorocyclopentadiene	1,800	NS	240 U	280 U	290 U	270 U	260 U	250 U
2,4,6-Trichlorophenol	63,000	NS	64.6 U	77.3 U	78.8 U	73.5 U	72.2 U	66.9 U
2,4,5-Trichlorophenol	6,300,000	NS	63.2 U	75.6 U	77 U	71.8 U	70.6 U	65.4 U
1,1-Biphenyl	47,000	NS	110 U	130 U	140 U	130 U	120 U	110 U
2-Chloronaphthalene	4,800,000	NS	80.5 U	96.3 U	98.2 U	91.5 U	90 U	83.3 U
2-Nitroaniline	630,000	NS	74.3 U	88.9 U	90.6 U	84.4 U	83 U	76.9 U
Dimethylphthalate	NS	NS	**630**	**350 J**	**610**	**380 J**	**640**	**220 J**
Acenaphthylene	NS	100,000	64 U	76.6 U	78.1 U	72.8 U	71.6 U	66.3 U
2,6-Dinitrotoluene	19,000	NS	75.5 U	90.3 U	92.1 U	85.8 U	84.4 U	78.1 U
3-Nitroaniline	NS	NS	140 U	170 U	170 U	160 U	150 U	140 U
Acenaphthene	3,600,000	100,000	72.4 U	86.7 U	88.3 U	82.4 U	81 U	75 U
2,4-Dinitrophenol	130,000	NS	93.6 UJ	110 UJ	110 UJ	110 UJ	100 UJ	96.9 UJ
4-Nitrophenol	NS	NS	69 U	82.5 U	84.1 U	78.4 U	77.1 U	71.4 U
Dibenzofuran	73,000	14,000	96 U	110 U	120 U	110 U	110 U	99.3 U
2,4-Dinitrotoluene	130,000	NS	88.9 UJ	110 UJ	110 UJ	100 UJ	99.3 UJ	92 UJ
Diethylphthalate	51,000,000	NS	67.5 U	80.8 U	82.4 U	76.8 U	75.5 U	69.9 U
4-Chlorophenyl-phenylether	NS	NS	89.1 U	110 U	110 U	100 U	99.6 U	92.2 U
Fluorene	2,400,000	100,000	54.4 U	65.1 U	66.4 U	61.9 U	60.8 U	56.3 U
4-Nitroaniline	250,000	NS	93.5 U	110 U	110 U	110 U	100 U	96.8 U
4,6-Dinitro-2-methylphenol	5,100	NS	74.6 UJ	89.2 UJ	90.9 UJ	84.8 UJ	83.3 UJ	77.2 UJ
N-Nitrosodiphenylamine	11,000,000	NS	82.6 U	98.9 U	100 U	93.9 U	92.4 U	85.5 U
4-Bromophenyl-phenylether	NS	NS	60.3 U	72.1 U	73.5 U	68.5 U	67.3 U	62.4 U
Hexachlorobenzene	21,000	330	71 U	85 U	86.6 U	80.8 U	79.4 U	73.5 U
Atrazine	240,000	NS	84.8 U	100 U	100 U	96.5 U	94.8 U	87.8 U
Pentachlorophenol	100,000	2,400	110 U	140 U	140 U	130 U	130 U	120 U
Phenanthrene	NS	100,000	61 U	72.9 U	74.3 U	69.3 U	68.1 U	63.1 U
Anthracene	18,000,000	100,000	59.5 U	71.3 U	72.6 U	67.7 U	66.6 U	61.6 U
Carbazole	NS	NS	96 U	110 U	120 U	110 U	110 U	99.3 U
Di-n-butylphthalate	6,300,000	NS	110 U	130 U	130 U	120 U	120 U	110 U
Fluoranthene	2,400,000	100,000	52.8 U	63.2 U	64.4 U	60.1 U	59.1 U	54.7 U
Pyrene	1,800,000	100,000	65.1 U	77.8 U	79.3 U	74 U	72.7 U	67.3 U
Butylbenzylphthalate	13,000,000	NS	68.2 U	81.6 U	83.1 U	77.5 U	76.2 U	70.5 U
3,3-Dichlorobenzidine	120,000	NS	160 U	190 U	190 U	180 U	180 U	160 U
Benzo(a)anthracene	110,000	1,000	40.2 U	48.1 U	49 U	45.7 U	44.9 U	41.6 U
Chrysene	11,000,000	1,000	45.4 U	54.4 U	55.4 U	51.7 U	50.8 U	47 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	98.3 U	120 U	120 U	110 U	110 U	100 U
Di-n-octyl phthalate	630,000	NS	76.2 U	91.1 U	92.9 U	86.6 U	85.1 U	78.8 U
Benzo(b)fluoranthene	110,000	1,000	52 U	62.2 U	63.4 U	59.1 U	58.1 U	53.8 U
Benzo(k)fluoranthene	1,100,000	1,000	60.2 U	72 U	73.4 U	68.4 U	67.3 U	62.3 U
Benzo(a)pyrene	11,000	1,000	47.4 U	56.7 U	57.8 U	53.9 U	52.9 U	49 U
Indeno(1,2,3-cd)pyrene	110,000	500	77.2 U	92.4 U	94.2 U	87.8 U	86.3 U	79.9 U
Dibenzo(a,h)anthracene	11,000	330	55.9 U	66.9 U	68.2 U	63.5 U	62.5 U	57.8 U
Benzo(g,h,i)perylene	NS	100,000	65.3 U	78.1 U	79.6 U	74.2 U	73 U	67.5 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	83.6 U	100 U	100 U	95 U	93.4 U	86.5 U
1,4-Dioxane	530,000	9,800	120 U	150 U	150 U	140 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	44.5 U	53.2 U	54.2 U	50.6 U	49.7 U	46 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS008-0002-01	P021-SS008-0206-01	P021-SS008-0206-02	P021-SS008-0612-01	P021-SS008-1218-01	P021-SS008-1824-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			0-2	2-6	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	130 U	120 U	110 U	110 U	110 U	110 U
Phenol	19,000,000	100,000	85.2 U	76.5 U	73.2 U	71.8 U	71.6 U	73.7 U
bis(2-Chloroethyl)ether	23,000	NS	140 U	130 U	120 U	120 U	120 U	120 U
2-Chlorophenol	390,000	NS	89.6 U	80.5 U	76.9 U	75.4 U	75.3 U	77.5 U
2-Methylphenol	3,200,000	100,000	95.4 U	85.7 U	82 U	80.4 U	80.2 U	82.6 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	120 U	110 U	100 U	100 U	100 U	100 U
Acetophenone	7,800,000	NS	130 U	110 U	110 U	110 U	110 U	110 U
3+4-Methylphenols	NS*	NS**	130 U	120 U	110 U	110 U	110 U	120 U
N-Nitroso-di-n-propylamine	7,800	NS	190 U	170 U	160 U	160 U	160 U	160 U
Hexachloroethane	45,000	NS	110 U	100 U	98.3 U	96.5 U	96.3 U	99.1 U
Nitrobenzene	130,000	NS	58.9 U	52.9 U	50.6 U	49.6 U	49.5 U	50.9 U
Isophorone	13,000,000	NS	49.8 U	44.8 U	42.8 U	42 U	41.9 U	43.1 U
2-Nitrophenol	NS	NS	100 UJ	93.2 UJ	89.1 UJ	87.4 UJ	87.2 UJ	89.7 UJ
2,4-Dimethylphenol	1,300,000	NS	75 U	67.4 U	64.4 U	63.2 U	63.1 U	64.9 U
Bis(2-Chloroethoxy)methane	190,000	NS	69.9 U	62.8 U	60 U	58.9 U	58.8 U	60.5 U
2,4-Dichlorophenol	190,000	NS	69.7 U	62.6 U	59.9 UJ	58.7 UJ	58.6 UJ	60.3 UJ
Naphthalene	130,000	100,000	67.6 U	60.8 U	58.1 U	57 U	56.8 U	58.5 U
4-Chloroaniline	250,000	NS	190 U	170 U	160 U	160 U	160 U	160 U
Hexachlorobutadiene	78,000	NS	82.6 U	74.2 U	70.9 UJ	69.5 UJ	69.4 UJ	71.4 UJ
Caprolactam	31,000,000	NS	150 U	140 UJ	130 U	130 U	130 U	130 U
4-Chloro-3-methylphenol	6,300,000	NS	80.4 U	72.2 U	69.1 U	67.7 U	67.6 U	69.6 U
2-Methylnaphthalene	240,000	NS	83.6 U	75.1 U	71.8 U	70.4 U	70.3 U	72.3 U
Hexachlorocyclopentadiene	1,800	NS	300 U	270 U	260 U	250 U	250 U	260 U
2,4,6-Trichlorophenol	63,000	NS	82.2 U	73.8 U	70.6 U	69.2 U	69.1 U	71.1 U
2,4,5-Trichlorophenol	6,300,000	NS	80.4 U	72.2 U	69 UJ	67.7 UJ	67.6 UJ	69.5 UJ
1,1-Biphenyl	47,000	NS	140 U	130 U	120 U	120 U	120 U	120 U
2-Chloronaphthalene	4,800,000	NS	100 U	92 U	88 U	86.3 U	86.1 U	88.6 U
2-Nitroaniline	630,000	NS	94.5 U	84.9 U	81.2 UJ	79.6 UJ	79.4 UJ	81.8 UJ
Dimethylphthalate	NS	NS	**660**	**490**	**560**	**560**	**520**	**480**
Acenaphthylene	NS	100,000	81.5 U	73.2 U	70 U	68.6 U	68.5 U	70.5 U
2,6-Dinitrotoluene	19,000	NS	96 U	86.3 U	82.5 UJ	80.9 UJ	80.7 UJ	83.1 UJ
3-Nitroaniline	NS	NS	180 U	160 U	150 U	150 UJ	150 UJ	150 UJ
Acenaphthene	3,600,000	100,000	92.2 U	82.8 U	79.1 U	77.6 U	77.5 U	79.7 U
2,4-Dinitrophenol	130,000	NS	120 UJ	110 UJ	100 UJ	100 UJ	100 UJ	100 UJ
4-Nitrophenol	NS	NS	87.8 U	78.8 U	75.4 U	73.9 U	73.8 U	75.9 U
Dibenzofuran	73,000	14,000	120 U	110 U	100 U	100 U	100 U	110 U
2,4-Dinitrotoluene	130,000	NS	110 UJ	100 U	97.1 U	95.2 UJ	95 UJ	97.8 UJ
Diethylphthalate	51,000,000	NS	85.9 U	77.2 U	73.8 U	72.4 U	72.2 U	74.3 U
4-Chlorophenyl-phenylether	NS	NS	110 U	100 U	97.4 U	95.5 U	95.3 U	98.1 U
Fluorene	2,400,000	100,000	69.2 U	62.2 U	59.5 U	58.3 U	58.2 U	59.9 U
4-Nitroaniline	250,000	NS	120 U	110 U	100 U	100 U	100 U	100 U
4,6-Dinitro-2-methylphenol	5,100	NS	94.9 UJ	85.2 UJ	81.5 U	79.9 UJ	79.7 UJ	82.1 UJ
N-Nitrosodiphenylamine	11,000,000	NS	110 U	94.4 U	90.3 U	88.5 U	88.4 U	90.9 U
4-Bromophenyl-phenylether	NS	NS	76.7 U	68.9 U	65.8 U	64.6 U	64.4 U	66.3 U
Hexachlorobenzene	21,000	330	90.4 U	81.2 U	77.6 U	76.1 U	76 U	78.2 U
Atrazine	240,000	NS	110 U	96.9 U	92.7 U	90.9 U	90.7 U	93.4 U
Pentachlorophenol	100,000	2,400	150 U	130 U	130 U	120 U	120 U	130 U
Phenanthrene	NS	100,000	77.6 U	69.7 U	66.6 U	65.3 U	65.2 U	67.1 U
Anthracene	18,000,000	100,000	75.8 U	68 U	65.1 U	63.8 U	63.7 U	65.5 U
Carbazole	NS	NS	120 U	110 U	100 U	100 U	100 U	110 U
Di-n-butylphthalate	6,300,000	NS	130 U	120 U	120 U	110 U	110 U	120 U
Fluoranthene	2,400,000	100,000	67.2 U	60.4 U	57.7 U	56.6 U	56.5 U	58.2 U
Pyrene	1,800,000	100,000	82.8 U	74.3 U	71.1 U	69.7 U	69.6 U	71.6 U
Butylbenzylphthalate	13,000,000	NS	86.7 U	77.9 UJ	74.5 U	73.1 U	72.9 U	75 U
3,3-Dichlorobenzidine	120,000	NS	200 U	180 U	170 U	170 U	170 U	170 U
Benzo(a)anthracene	110,000	1,000	51.1 U	45.9 U	43.9 U	43 U	43 U	44.2 U
Chrysene	11,000,000	1,000	57.8 U	51.9 U	49.7 U	48.7 U	48.6 U	50 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	130 U	110 U	110 U	110 U	110 U	110 U
Di-n-octyl phthalate	630,000	NS	96.9 U	87 UJ	83.2 U	81.6 U	81.4 U	83.8 U
Benzo(b)fluoranthene	110,000	1,000	66.1 U	59.4 U	56.8 U	55.7 U	55.6 U	57.2 U
Benzo(k)fluoranthene	1,100,000	1,000	76.6 U	68.8 U	65.7 UJ	64.5 U	64.3 U	66.2 U
Benzo(a)pyrene	11,000	1,000	60.3 U	54.1 U	51.8 U	50.8 U	50.7 U	52.1 U
Indeno(1,2,3-cd)pyrene	110,000	500	98.3 U	88.3 U	84.4 U	82.8 U	82.6 U	85 U
Dibenzo(a,h)anthracene	11,000	330	71.1 U	63.9 U	61.1 U	59.9 U	59.8 U	61.5 U
Benzo(g,h,i)perylene	NS	100,000	83 U	74.6 U	71.3 U	69.9 U	69.8 U	71.8 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	110 U	95.5 U	91.3 U	89.5 U	89.4 U	92 U
1,4-Dioxane	530,000	9,800	160 U	140 U	140 U	130 U	130 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	56.6 U	50.8 U	48.6 U	47.7 U	47.6 U	48.9 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS009-0002-01	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			0-2	2-6	6-12	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	140 U	120 U	120 U	120 U	110 U	110 U
Phenol	19,000,000	100,000	92.9 U	78.5 U	78.4 U	78.7 U	73.3 U	71.1 U
bis(2-Chloroethyl)ether	23,000	NS	150 U	130 U	130 U	130 U	120 U	120 U
2-Chlorophenol	390,000	NS	97.7 U	82.6 U	82.5 U	82.7 U	77 U	74.7 U
2-Methylphenol	3,200,000	100,000	100 U	88 U	87.9 U	88.1 U	82.1 U	79.6 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	130 U	110 U	110 U	110 U	100 U	100 U
Acetophenone	7,800,000	NS	140 U	120 U	120 U	120 U	110 U	110 U
3+4-Methylphenols	NS*	NS**	150 U	120 U	120 U	120 U	110 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	200 U	170 U	170 U	170 U	160 U	160 U
Hexachloroethane	45,000	NS	120 U	110 U	110 U	110 U	98.5 U	95.5 U
Nitrobenzene	130,000	NS	64.2 U	54.3 U	54.2 U	54.4 U	50.7 U	49.1 U
Isophorone	13,000,000	NS	54.3 U	45.9 U	45.9 U	46 U	42.9 U	41.6 U
2-Nitrophenol	NS	NS	110 U	95.6 UJ	95.5 UJ	95.8 U	89.2 UJ	86.5 UJ
2,4-Dimethylphenol	1,300,000	NS	81.8 U	69.1 U	69.1 U	69.3 U	64.5 U	62.6 U
Bis(2-Chloroethoxy)methane	190,000	NS	76.3 U	64.4 U	64.4 U	64.6 U	60.1 U	58.3 U
2,4-Dichlorophenol	190,000	NS	76 U	64.2 UJ	64.2 UJ	64.4 U	60 UJ	58.1 UJ
Naphthalene	130,000	100,000	73.8 U	62.3 U	62.3 U	62.5 U	58.2 U	56.4 U
4-Chloroaniline	250,000	NS	200 U	170 U	170 U	170 U	160 U	160 U
Hexachlorobutadiene	78,000	NS	90.1 U	76.1 UJ	76 UJ	76.3 U	71 UJ	68.9 UJ
Caprolactam	31,000,000	NS	170 U	140 U	140 U	140 U	130 U	130 U
4-Chloro-3-methylphenol	6,300,000	NS	87.7 U	74.1 U	74 U	74.3 U	69.2 U	67.1 U
2-Methylnaphthalene	240,000	NS	91.2 U	77 U	77 U	77.2 U	71.9 U	69.7 U
Hexachlorocyclopentadiene	1,800	NS	330 U	280 U	280 U	280 U	260 U	250 U
2,4,6-Trichlorophenol	63,000	NS	89.7 U	75.8 U	75.7 U	75.9 U	70.7 U	68.6 U
2,4,5-Trichlorophenol	6,300,000	NS	87.7 U	74.1 UJ	74 UJ	74.2 U	69.1 UJ	67.1 UJ
1,1-Biphenyl	47,000	NS	150 U	130 U	130 U	130 U	120 U	120 U
2-Chloronaphthalene	4,800,000	NS	110 U	94.4 U	94.3 U	94.6 U	88.1 U	85.5 U
2-Nitroaniline	630,000	NS	100 U	87.1 UJ	87 UJ	87.3 U	81.3 UJ	78.8 UJ
Dimethylphthalate	NS	NS	**920**	**490**	**410**	**500**	**310 J**	**410**
Acenaphthylene	NS	100,000	88.9 U	75.1 U	75 U	75.3 U	70.1 U	68 U
2,6-Dinitrotoluene	19,000	NS	100 U	88.5 UJ	88.4 UJ	88.7 U	82.6 UJ	80.1 UJ
3-Nitroaniline	NS	NS	190 U	160 UJ	160 UJ	160 U	150 UJ	150 UJ
Acenaphthene	3,600,000	100,000	100 U	84.9 U	84.9 U	85.1 U	79.3 U	76.9 U
2,4-Dinitrophenol	130,000	NS	130 U	110 UJ	110 UJ	110 U	100 UJ	99.4 UJ
4-Nitrophenol	NS	NS	95.7 U	80.9 U	80.8 U	81.1 U	75.5 U	73.2 U
Dibenzofuran	73,000	14,000	130 U	110 U	110 U	110 U	110 U	100 U
2,4-Dinitrotoluene	130,000	NS	120 U	100 UJ	100 UJ	100 U	97.3 UJ	94.3 UJ
Diethylphthalate	51,000,000	NS	93.7 U	79.2 U	79.1 U	79.4 U	73.9 U	71.7 U
4-Chlorophenyl-phenylether	NS	NS	120 U	100 U	100 U	100 U	97.5 U	94.6 U
Fluorene	2,400,000	100,000	75.5 U	63.8 U	63.7 U	63.9 U	59.6 U	57.8 U
4-Nitroaniline	250,000	NS	130 U	110 U	110 U	110 U	100 U	99.3 U
4,6-Dinitro-2-methylphenol	5,100	NS	100 U	87.4 UJ	87.3 UJ	87.6 U	81.6 UJ	79.1 UJ
N-Nitrosodiphenylamine	11,000,000	NS	110 U	96.9 U	96.8 U	97.1 U	90.4 U	87.7 U
4-Bromophenyl-phenylether	NS	NS	83.6 U	70.7 U	70.6 U	70.8 U	65.9 U	64 U
Hexachlorobenzene	21,000	330	98.6 U	83.3 U	83.2 U	83.5 U	77.8 U	75.4 U
Atrazine	240,000	NS	120 U	99.5 U	99.4 U	99.7 U	92.8 U	90 U
Pentachlorophenol	100,000	2,400	160 U	130 U	130 U	130 U	130 U	120 U
Phenanthrene	NS	100,000	84.6 U	71.5 U	71.4 U	71.6 U	66.7 U	64.7 U
Anthracene	18,000,000	100,000	82.6 U	69.8 U	69.8 U	70 U	65.2 U	63.2 U
Carbazole	NS	NS	130 U	110 U	110 U	110 U	110 U	100 U
Di-n-butylphthalate	6,300,000	NS	150 U	120 U	120 U	120 U	120 U	110 U
Fluoranthene	2,400,000	100,000	73.3 U	62 U	61.9 U	62.1 U	57.8 U	56.1 U
Pyrene	1,800,000	100,000	90.3 U	76.3 U	76.2 U	76.4 U	71.2 U	69 U
Butylbenzylphthalate	13,000,000	NS	94.6 U	79.9 U	79.9 U	80.1 U	74.6 U	72.4 U
3,3-Dichlorobenzidine	120,000	NS	220 U	190 U	190 U	190 U	170 U	170 U
Benzo(a)anthracene	110,000	1,000	55.7 U	47.1 U	47.1 U	47.2 U	44 U	42.6 U
Chrysene	11,000,000	1,000	63.1 U	53.3 U	53.2 U	53.4 U	49.7 U	48.2 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	140 U	120 U	120 U	120 U	110 U	100 U
Di-n-octyl phthalate	630,000	NS	110 U	89.3 U	89.2 U	89.5 U	83.4 U	80.8 U
Benzo(b)fluoranthene	110,000	1,000	72.1 U	60.9 U	60.9 U	61 U	56.9 U	55.1 U
Benzo(k)fluoranthene	1,100,000	1,000	83.5 U	70.6 U	70.5 U	70.7 U	65.8 U	63.9 U
Benzo(a)pyrene	11,000	1,000	65.7 U	55.5 U	55.5 U	55.7 U	51.8 U	50.3 U
Indeno(1,2,3-cd)pyrene	110,000	500	110 U	90.6 U	90.5 U	90.8 U	84.5 U	82 U
Dibenzo(a,h)anthracene	11,000	330	77.6 U	65.5 U	65.5 U	65.7 U	61.2 U	59.3 U
Benzo(g,h,i)perylene	NS	100,000	90.6 U	76.5 U	76.5 U	76.7 U	71.4 U	69.3 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	120 U	98 U	97.9 U	98.2 U	91.4 U	88.7 U
1,4-Dioxane	530,000	9,800	170 U	150 U	150 U	150 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	61.7 U	52.1 U	52.1 U	52.2 U	48.7 U	47.2 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01	P026-SS002-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	110 U	110 U	110 U	110 U	140 U
Phenol	19,000,000	100,000	73.4 U	69.5 U	67.9 U	69.9 U	70.7 U	87.4 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	110 U	110 U	120 U	120 U	140 U
2-Chlorophenol	390,000	NS	77.2 U	73.1 U	71.4 U	73.5 U	74.3 U	91.9 U
2-Methylphenol	3,200,000	100,000	82.3 U	77.9 U	76.1 U	78.3 U	79.2 U	97.9 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	98.2 U	96 U	98.8 U	99.8 U	120 U
Acetophenone	7,800,000	NS	110 U	100 U	100 U	100 U	100 U	130 U
3+4-Methylphenols	NS*	NS**	120 U	110 U	110 U	110 U	110 U	140 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	150 U	150 U	150 U	150 U	190 U
Hexachloroethane	45,000	NS	98.7 U	93.5 U	91.3 U	94 U	95 U	120 U
Nitrobenzene	130,000	NS	50.8 U	48.1 U	47 U	48.3 U	48.9 U	60.4 U
Isophorone	13,000,000	NS	42.9 U	40.7 U	39.7 U	40.9 U	41.3 U	51.1 U
2-Nitrophenol	NS	NS	89.4 U	84.7 UJ	82.7 UJ	85.1 UJ	86.1 UJ	110 U
2,4-Dimethylphenol	1,300,000	NS	64.7 U	61.2 U	59.8 U	61.6 U	62.2 U	76.9 U
Bis(2-Chloroethoxy)methane	190,000	NS	60.3 U	57.1 U	55.8 U	57.4 U	58 U	71.7 U
2,4-Dichlorophenol	190,000	NS	60.1 U	56.9 U	55.6 UJ	57.2 UJ	57.8 UJ	71.5 U
Naphthalene	130,000	100,000	**580**	**170 J**	53.9 U	55.5 U	56.1 U	**580**
4-Chloroaniline	250,000	NS	160 U	150 U	150 U	150 U	160 U	190 U
Hexachlorobutadiene	78,000	NS	71.2 U	67.4 U	65.8 UJ	67.8 UJ	68.5 UJ	84.7 U
Caprolactam	31,000,000	NS	130 U	120 UJ	120 U	130 U	130 U	160 U
4-Chloro-3-methylphenol	6,300,000	NS	69.3 U	65.7 U	64.1 U	66 U	66.7 U	82.5 U
2-Methylnaphthalene	240,000	NS	**270 J**	**83.3 J**	66.7 U	68.6 U	69.3 U	**350 J**
Hexachlorocyclopentadiene	1,800	NS	260 U	250 U	240 U	250 U	250 U	310 U
2,4,6-Trichlorophenol	63,000	NS	70.8 U	67.1 U	65.5 U	67.5 U	68.2 U	84.3 U
2,4,5-Trichlorophenol	6,300,000	NS	69.3 U	65.6 U	64.1 UJ	66 UJ	66.7 UJ	82.4 U
1,1-Biphenyl	47,000	NS	120 U	120 U	110 U	120 U	120 U	140 U
2-Chloronaphthalene	4,800,000	NS	88.3 U	83.6 U	81.7 U	84.1 U	85 U	110 U
2-Nitroaniline	630,000	NS	81.5 U	77.1 U	75.4 UJ	77.6 UJ	78.4 UJ	96.9 U
Dimethylphthalate	NS	NS	**510**	**400**	**220 J**	**230 J**	**240 J**	**290 J**
Acenaphthylene	NS	100,000	**1,400**	**300 J**	65 U	66.9 U	67.6 U	**960**
2,6-Dinitrotoluene	19,000	NS	82.8 U	78.4 U	76.6 UJ	78.8 UJ	79.7 UJ	98.5 U
3-Nitroaniline	NS	NS	150 U	140 U	140 U	140 U	150 UJ	180 U
Acenaphthene	3,600,000	100,000	79.4 U	75.2 U	73.5 U	75.6 U	76.5 U	94.5 U
2,4-Dinitrophenol	130,000	NS	100 U	97.2 UJ	95 UJ	97.8 UJ	98.8 UJ	120 U
4-Nitrophenol	NS	NS	75.6 U	71.7 U	70 U	72 U	72.8 U	90 U
Dibenzofuran	73,000	14,000	110 U	99.7 U	97.4 U	100 U	100 U	130 U
2,4-Dinitrotoluene	130,000	NS	97.5 U	92.3 U	90.2 U	92.8 U	93.8 UJ	120 U
Diethylphthalate	51,000,000	NS	74.1 U	70.1 U	68.5 U	70.5 U	71.3 U	88.1 U
4-Chlorophenyl-phenylether	NS	NS	97.7 U	92.6 U	90.4 U	93.1 U	94.1 U	120 U
Fluorene	2,400,000	100,000	**220 J**	56.5 U	55.2 U	56.8 U	57.4 U	**210 J**
4-Nitroaniline	250,000	NS	100 U	97.2 U	94.9 U	97.7 U	98.7 U	120 U
4,6-Dinitro-2-methylphenol	5,100	NS	81.8 U	77.5 UJ	75.7 U	77.9 U	78.7 UJ	97.3 U
N-Nitrosodiphenylamine	11,000,000	NS	90.6 U	85.8 U	83.8 U	86.3 U	87.2 U	110 U
4-Bromophenyl-phenylether	NS	NS	66.1 U	62.6 U	61.1 U	62.9 U	63.6 U	78.6 U
Hexachlorobenzene	21,000	330	77.9 U	73.8 U	72.1 U	74.2 U	75 U	92.7 U
Atrazine	240,000	NS	93 U	88.1 U	86.1 U	88.6 U	89.5 U	110 U
Pentachlorophenol	100,000	2,400	130 U	120 U	120 U	120 U	120 U	150 U
Phenanthrene	NS	100,000	**3,800**	**930**	61.8 U	**120 J**	**190 J**	**4,000**
Anthracene	18,000,000	100,000	**1,000**	**200 J**	60.4 U	62.2 U	62.8 U	**730**
Carbazole	NS	NS	110 U	99.7 U	97.4 U	100 U	100 U	130 U
Di-n-butylphthalate	6,300,000	NS	120 U	110 U	110 U	110 U	110 U	140 U
Fluoranthene	2,400,000	100,000	**6,300**	**1,500**	53.6 U	**240 J**	**370**	**4,200**
Pyrene	1,800,000	100,000	**10,500**	**2,600**	**73.8 J**	**510**	**770**	**8,300**
Butylbenzylphthalate	13,000,000	NS	74.8 U	70.8 U	69.2 U	71.2 U	72 U	89 U
3,3-Dichlorobenzidine	120,000	NS	170 U	160 U	160 U	160 U	170 U	210 U
Benzo(a)anthracene	110,000	1,000	**4,600**	**1,100**	40.8 U	**170 J**	**260 J**	**4,300**
Chrysene	11,000,000	1,000	**5,400**	**1,200**	46.1 U	**220 J**	**350 J**	**4,900**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	100 U	99.8 U	100 U	100 U	130 U
Di-n-octyl phthalate	630,000	NS	83.5 U	79.1 U	77.3 U	79.5 U	80.4 U	99.4 U
Benzo(b)fluoranthene	110,000	1,000	**4,800**	**1,300**	52.7 U	**190 J**	**310 J**	**4,000**
Benzo(k)fluoranthene	1,100,000	1,000	**1,500**	**330 J**	61 UJ	62.8 UJ	**94.6 J**	**1,300**
Benzo(a)pyrene	11,000	1,000	**3,600**	**780**	48.1 U	**120 J**	**200 J**	**3,100**
Indeno(1,2,3-cd)pyrene	110,000	500	**2,600**	**460**	78.4 U	80.7 U	**130 J**	**3,200**
Dibenzo(a,h)anthracene	11,000	330	**890**	**160 J**	56.7 U	58.4 U	59 U	**780**
Benzo(g,h,i)perylene	NS	100,000	**3,700**	**770**	66.2 U	**110 J**	**180 J**	**3,000**
1,2,4,5-Tetrachlorobenzene	23,000	NS	91.6 U	86.8 U	84.8 U	87.2 U	88.2 U	110 U
1,4-Dioxane	530,000	9,800	140 U	130 U	130 U	130 U	130 U	160 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	48.8 U	46.2 U	45.1 U	46.4 U	46.9 U	58 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01	P026-SS002-1218-02	P026-SS002-1824-01	P026-SS003-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	130 U	120 U	120 U	120 U	120 U	140 U
Phenol	19,000,000	100,000	**120 J**	78.1 U	77.7 U	77.8 U	74.3 U	89.5 U
bis(2-Chloroethyl)ether	23,000	NS	130 U	130 U	130 U	130 U	120 U	150 U
2-Chlorophenol	390,000	NS	84.9 U	82.1 U	81.7 U	81.8 U	78.1 U	94.1 U
2-Methylphenol	3,200,000	100,000	90.5 U	87.5 U	87.1 U	87.2 U	83.2 U	100 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	110 U	110 U	110 U	100 U	130 U
Acetophenone	7,800,000	NS	120 U	120 U	120 U	120 U	110 U	130 U
3+4-Methylphenols	NS*	NS**	130 U	120 U	120 U	120 U	120 U	140 U
N-Nitroso-di-n-propylamine	7,800	NS	180 U	170 U	170 U	170 U	160 U	200 U
Hexachloroethane	45,000	NS	110 U	110 U	100 U	100 U	99.8 U	120 U
Nitrobenzene	130,000	NS	55.8 U	54 U	53.7 U	53.8 U	51.3 U	61.9 U
Isophorone	13,000,000	NS	47.2 U	45.7 U	45.5 U	45.5 U	43.4 U	52.4 U
2-Nitrophenol	NS	NS	98.4 U	95.1 U	94.7 UJ	94.8 U	90.4 U	110 UJ
2,4-Dimethylphenol	1,300,000	NS	71.1 U	68.8 U	68.4 U	68.5 U	65.4 U	78.8 U
Bis(2-Chloroethoxy)methane	190,000	NS	66.3 U	64.1 U	63.8 U	63.9 U	60.9 U	73.5 U
2,4-Dichlorophenol	190,000	NS	66.1 U	63.9 U	63.6 UJ	63.7 U	60.8 U	73.2 U
Naphthalene	130,000	100,000	**440**	62 U	61.7 U	61.8 U	59 U	71.1 U
4-Chloroaniline	250,000	NS	180 U	170 U	170 U	170 U	160 U	200 U
Hexachlorobutadiene	78,000	NS	78.3 U	75.7 U	75.3 UJ	75.4 U	72 U	86.8 U
Caprolactam	31,000,000	NS	140 U	140 U	140 U	140 U	130 U	160 U
4-Chloro-3-methylphenol	6,300,000	NS	76.3 U	73.8 U	73.4 U	73.5 U	70.1 U	84.5 U
2-Methylnaphthalene	240,000	NS	**260 J**	76.7 U	76.3 U	76.4 U	72.9 U	87.8 U
Hexachlorocyclopentadiene	1,800	NS	290 U	280 U	270 U	280 U	260 U	320 U
2,4,6-Trichlorophenol	63,000	NS	77.9 U	75.4 U	75 U	75.1 U	71.7 U	86.4 U
2,4,5-Trichlorophenol	6,300,000	NS	76.2 U	73.7 U	73.3 UJ	73.4 U	70.1 U	84.5 U
1,1-Biphenyl	47,000	NS	130 U	130 U	130 U	130 U	120 U	150 U
2-Chloronaphthalene	4,800,000	NS	97.1 U	94 U	93.5 U	93.6 U	89.3 U	110 U
2-Nitroaniline	630,000	NS	89.6 U	86.7 U	86.2 UJ	86.3 U	82.4 U	99.3 U
Dimethylphthalate	NS	NS	**300 J**	**420**	**340 J**	**640 J**	**590**	**640**
Acenaphthylene	NS	100,000	**820**	**160 J**	74.4 U	**110 J**	**100 J**	85.6 U
2,6-Dinitrotoluene	19,000	NS	91.1 U	88.1 U	87.6 UJ	87.7 U	83.7 U	100 U
3-Nitroaniline	NS	NS	170 U	160 U	160 UJ	160 U	150 U	180 U
Acenaphthene	3,600,000	100,000	87.4 U	84.5 U	84.1 U	84.2 U	80.3 U	96.9 U
2,4-Dinitrophenol	130,000	NS	110 U	110 U	110 UJ	110 UJ	100 UJ	130 UJ
4-Nitrophenol	NS	NS	83.2 U	80.5 U	80.1 U	80.2 U	76.5 U	92.2 U
Dibenzofuran	73,000	14,000	120 U	110 U	110 U	110 U	110 U	130 U
2,4-Dinitrotoluene	130,000	NS	110 U	100 U	100 UJ	100 U	98.6 U	120 U
Diethylphthalate	51,000,000	NS	81.5 U	78.8 U	78.4 U	78.5 U	74.9 U	90.3 U
4-Chlorophenyl-phenylether	NS	NS	110 U	100 U	100 U	100 U	98.8 U	120 U
Fluorene	2,400,000	100,000	**160 J**	63.5 U	63.2 U	63.2 U	60.4 U	72.8 U
4-Nitroaniline	250,000	NS	110 U	110 U	110 U	110 U	100 U	130 U
4,6-Dinitro-2-methylphenol	5,100	NS	90 U	87 U	86.6 UJ	86.7 U	82.7 U	99.7 UJ
N-Nitrosodiphenylamine	11,000,000	NS	99.7 U	96.4 U	95.9 U	96 U	91.6 U	110 U
4-Bromophenyl-phenylether	NS	NS	72.7 U	70.3 U	69.9 U	70 U	66.8 U	80.6 U
Hexachlorobenzene	21,000	330	85.7 U	82.9 U	82.5 U	82.6 U	78.8 U	95 U
Atrazine	240,000	NS	100 U	99 U	98.5 U	98.6 U	94.1 U	110 U
Pentachlorophenol	100,000	2,400	140 U	130 U	130 U	130 U	130 U	150 U
Phenanthrene	NS	100,000	**3,500**	**570**	**480**	**660**	**500**	81.5 U
Anthracene	18,000,000	100,000	**550**	**100 J**	69.1 U	69.2 U	66 U	79.6 U
Carbazole	NS	NS	120 U	110 U	110 U	110 U	110 U	130 U
Di-n-butylphthalate	6,300,000	NS	130 U	120 U	120 U	120 U	120 U	140 U
Fluoranthene	2,400,000	100,000	**3,900**	**860**	**640**	**850**	**670**	70.6 U
Pyrene	1,800,000	100,000	**7,000**	**1,300**	**1,300**	**1,400**	**1,300**	87 U
Butylbenzylphthalate	13,000,000	NS	82.2 U	79.5 U	79.1 U	79.2 U	75.6 U	91.1 U
3,3-Dichlorobenzidine	120,000	NS	190 U	180 U	180 U	180 U	180 U	210 U
Benzo(a)anthracene	110,000	1,000	**3,500**	**520**	**430**	**510**	**440**	53.7 U
Chrysene	11,000,000	1,000	**3,900**	**630**	**560**	**600**	**570**	60.8 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	120 U	110 U	110 U	110 U	110 U	130 U
Di-n-octyl phthalate	630,000	NS	91.9 U	88.9 U	88.4 U	88.5 U	84.5 U	100 U
Benzo(b)fluoranthene	110,000	1,000	**3,300**	**620**	**460**	**540**	**470**	69.5 U
Benzo(k)fluoranthene	1,100,000	1,000	**1,200**	**190 J**	**140 J**	**150 J**	**150 J**	80.4 U
Benzo(a)pyrene	11,000	1,000	**2,600**	**420**	**330 J**	**380 J**	**350 J**	63.3 U
Indeno(1,2,3-cd)pyrene	110,000	500	**2,900**	**250 J**	**200 J**	**350 J**	**390**	100 UJ
Dibenzo(a,h)anthracene	11,000	330	**680**	65.2 U	64.9 U	**96.4 J**	62 U	74.7 U
Benzo(g,h,i)perylene	NS	100,000	**2,700**	**390 J**	**270 J**	**450 J**	**430**	87.3 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	100 U	97.5 U	97 U	97.1 U	92.7 U	110 U
1,4-Dioxane	530,000	9,800	150 U	150 U	140 U	150 U	140 U	170 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	53.7 U	51.9 U	51.6 U	51.7 U	49.3 U	59.5 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS003-0206-01	P026-SS003-0612-01	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	130 U	130 U	130 U	130 U	1,200 U	110 U
Phenol	19,000,000	100,000	81.2 U	82.2 U	81.9 U	81 U	750 U	69.4 U
bis(2-Chloroethyl)ether	23,000	NS	130 U	140 U	140 U	130 U	1,200 U	110 U
2-Chlorophenol	390,000	NS	85.4 U	86.5 U	86.2 U	85.2 U	790 U	73 U
2-Methylphenol	3,200,000	100,000	91 U	92.1 U	91.8 U	90.7 U	850 U	77.8 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	120 U	120 U	110 U	1,100 U	98 U
Acetophenone	7,800,000	NS	120 U	120 U	120 U	120 U	1,100 U	100 U
3+4-Methylphenols	NS*	NS**	130 U	130 U	130 U	130 U	1,200 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	180 U	180 U	180 U	180 U	1,600 U	150 U
Hexachloroethane	45,000	NS	110 U	110 U	110 U	110 U	1,000 U	93.3 U
Nitrobenzene	130,000	NS	56.2 U	56.9 U	56.6 U	56 U	520 U	48 U
Isophorone	13,000,000	NS	47.5 U	48.1 U	47.9 U	47.4 U	440 U	40.6 U
2-Nitrophenol	NS	NS	98.9 UJ	100 UJ	99.8 UJ	98.6 UJ	920 U	84.5 U
2,4-Dimethylphenol	1,300,000	NS	71.5 U	72.4 U	72.2 U	71.3 U	660 U	61.1 U
Bis(2-Chloroethoxy)methane	190,000	NS	66.7 U	67.5 U	67.3 U	66.5 U	620 U	57 U
2,4-Dichlorophenol	190,000	NS	66.5 U	67.3 U	67.1 U	66.3 U	620 U	56.8 U
Naphthalene	130,000	100,000	64.5 U	65.3 U	65.1 U	64.3 U	600 U	55.1 U
4-Chloroaniline	250,000	NS	180 U	180 U	180 U	180 U	1,700 U	150 U
Hexachlorobutadiene	78,000	NS	78.7 U	79.7 U	79.4 U	78.5 U	730 U	67.3 U
Caprolactam	31,000,000	NS	150 U	150 U	150 U	140 U	1,400 U	120 U
4-Chloro-3-methylphenol	6,300,000	NS	76.7 U	77.6 U	77.4 U	76.5 U	710 U	65.5 U
2-Methylnaphthalene	240,000	NS	79.7 U	80.7 U	80.4 U	79.5 U	740 U	68.1 U
Hexachlorocyclopentadiene	1,800	NS	290 U	290 U	290 U	290 U	2,700 U	250 U
2,4,6-Trichlorophenol	63,000	NS	78.4 U	79.4 U	79.1 U	78.2 U	730 U	67 U
2,4,5-Trichlorophenol	6,300,000	NS	76.6 U	77.6 U	77.3 U	76.4 U	710 U	65.5 U
1,1-Biphenyl	47,000	NS	130 U	140 U	140 U	130 U	1,300 U	120 U
2-Chloronaphthalene	4,800,000	NS	97.7 U	98.9 U	98.5 U	97.4 U	910 U	83.5 U
2-Nitroaniline	630,000	NS	90.1 U	91.2 U	90.9 U	89.8 U	840 U	77 U
Dimethylphthalate	NS	NS	**320 J**	**580**	**440**	**540**	610 U	**460**
Acenaphthylene	NS	100,000	77.7 U	78.7 U	78.4 U	77.5 U	**3,100 J**	**190 J**
2,6-Dinitrotoluene	19,000	NS	91.6 U	92.7 U	92.4 U	91.3 U	850 U	78.2 U
3-Nitroaniline	NS	NS	170 U	170 U	170 U	170 U	1,600 U	140 U
Acenaphthene	3,600,000	100,000	87.9 U	89 U	88.7 U	87.6 U	820 U	75.1 U
2,4-Dinitrophenol	130,000	NS	110 UJ	110 UJ	110 UJ	110 UJ	1,100 UJ	97 U
4-Nitrophenol	NS	NS	83.7 U	84.7 U	84.4 U	83.4 U	780 U	71.5 U
Dibenzofuran	73,000	14,000	120 U	120 U	120 U	120 U	1,100 U	99.5 U
2,4-Dinitrotoluene	130,000	NS	110 U	110 U	110 U	110 U	1,000 U	92.1 U
Diethylphthalate	51,000,000	NS	81.9 U	83 U	82.7 U	81.7 U	760 U	70 U
4-Chlorophenyl-phenylether	NS	NS	110 U	110 U	110 U	110 U	1,000 U	92.4 U
Fluorene	2,400,000	100,000	66 U	66.8 U	66.6 U	65.8 U	610 U	56.4 U
4-Nitroaniline	250,000	NS	110 U	110 U	110 U	110 U	1,100 U	97 U
4,6-Dinitro-2-methylphenol	5,100	NS	90.5 UJ	91.6 UJ	91.3 UJ	90.2 UJ	840 U	77.3 U
N-Nitrosodiphenylamine	11,000,000	NS	100 U	100 U	100 U	100 U	930 U	85.7 U
4-Bromophenyl-phenylether	NS	NS	73.1 U	74 U	73.7 U	72.9 U	680 U	62.5 U
Hexachlorobenzene	21,000	330	86.2 U	87.3 U	87 U	85.9 U	800 U	73.6 U
Atrazine	240,000	NS	100 U	100 U	100 U	100 U	960 U	87.9 U
Pentachlorophenol	100,000	2,400	140 U	140 U	140 U	140 U	1,300 U	120 U
Phenanthrene	NS	100,000	74 U	74.9 U	74.6 U	73.7 U	**16,900**	**330 J**
Anthracene	18,000,000	100,000	72.2 U	73.1 U	72.9 U	72 U	**2,200 J**	**83.7 J**
Carbazole	NS	NS	120 U	120 U	120 U	120 U	1,100 U	99.5 U
Di-n-butylphthalate	6,300,000	NS	130 U	130 U	130 U	130 U	1,200 U	110 U
Fluoranthene	2,400,000	100,000	64.1 U	64.9 U	64.7 U	63.9 U	**19,600**	**740**
Pyrene	1,800,000	100,000	78.9 U	79.9 U	79.6 U	78.7 U	**26,200**	**1,300**
Butylbenzylphthalate	13,000,000	NS	82.7 U	83.7 U	83.4 U	82.5 U	770 U	70.7 U
3,3-Dichlorobenzidine	120,000	NS	190 U	190 U	190 U	190 U	1,800 U	160 U
Benzo(a)anthracene	110,000	1,000	48.7 U	49.3 U	49.2 U	48.6 U	**13,100**	**620**
Chrysene	11,000,000	1,000	55.1 U	55.8 U	55.6 U	55 U	**14,200**	**800**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	120 U	120 U	120 U	120 U	1,100 U	100 U
Di-n-octyl phthalate	630,000	NS	92.4 U	93.5 U	93.2 U	92.1 U	860 U	78.9 U
Benzo(b)fluoranthene	110,000	1,000	63 U	63.8 U	63.6 U	62.9 U	**11,900**	**900**
Benzo(k)fluoranthene	1,100,000	1,000	73 U	73.9 U	73.6 U	72.8 U	**4,100**	**220 J**
Benzo(a)pyrene	11,000	1,000	57.5 U	58.2 U	58 U	57.3 U	**10,000**	**630**
Indeno(1,2,3-cd)pyrene	110,000	500	93.7 UJ	94.9 UJ	94.5 UJ	93.4 UJ	**5,500**	**740**
Dibenzo(a,h)anthracene	11,000	330	67.8 U	68.6 U	68.4 U	67.6 U	**1,700 J**	**190 J**
Benzo(g,h,i)perylene	NS	100,000	79.2 U	80.2 U	79.9 U	79 U	**6,800**	**860**
1,2,4,5-Tetrachlorobenzene	23,000	NS	100 U	100 U	100 U	100 U	940 U	86.6 U
1,4-Dioxane	530,000	9,800	150 U	150 U	150 U	150 U	1,400 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	53.9 U	54.6 U	54.4 U	53.8 U	500 U	46.1 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS004-0612-01	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01	P026-SS005-0206-01	P026-SS005-0612-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	110 U	110 U	120 U	110 U	120 U
Phenol	19,000,000	100,000	67.7 U	70.7 U	71.4 U	78.8 U	73.8 U	75.8 U
bis(2-Chloroethyl)ether	23,000	NS	110 U	120 U	120 U	130 U	120 U	130 U
2-Chlorophenol	390,000	NS	71.2 U	74.4 U	75.1 U	82.9 U	77.6 U	79.7 U
2-Methylphenol	3,200,000	100,000	75.9 U	79.2 U	80 U	88.3 U	82.7 U	85 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	95.7 U	99.9 U	100 U	110 U	100 U	110 U
Acetophenone	7,800,000	NS	100 U	110 U	110 U	120 U	110 U	110 U
3+4-Methylphenols	NS*	NS**	110 U	110 U	110 U	120 U	120 U	120 U
N-Nitroso-di-n-propylamine	7,800	NS	150 U	150 U	160 U	170 U	160 U	170 U
Hexachloroethane	45,000	NS	91.1 U	95.1 U	96 U	110 U	99.3 U	100 U
Nitrobenzene	130,000	NS	46.8 U	48.9 U	49.4 U	54.5 U	51 U	52.4 U
Isophorone	13,000,000	NS	39.6 U	41.4 U	41.8 U	46.1 U	43.2 U	44.3 U
2-Nitrophenol	NS	NS	82.5 U	86.1 U	87 U	96 U	89.9 U	92.3 U
2,4-Dimethylphenol	1,300,000	NS	59.6 U	62.3 U	62.9 U	69.4 U	65 U	66.8 U
Bis(2-Chloroethoxy)methane	190,000	NS	55.6 U	58.1 U	58.6 U	64.7 U	60.6 U	62.2 U
2,4-Dichlorophenol	190,000	NS	55.4 U	57.9 U	58.5 U	64.5 U	60.4 U	62 U
Naphthalene	130,000	100,000	53.8 U	56.2 U	56.7 U	**480**	**210 J**	**100 J**
4-Chloroaniline	250,000	NS	150 U	160 U	160 U	170 U	160 U	170 U
Hexachlorobutadiene	78,000	NS	65.7 U	68.6 U	69.2 U	76.4 U	71.6 U	73.5 U
Caprolactam	31,000,000	NS	120 U	130 U	130 U	140 U	130 U	140 U
4-Chloro-3-methylphenol	6,300,000	NS	63.9 U	66.8 U	67.4 U	74.4 U	69.7 U	71.6 U
2-Methylnaphthalene	240,000	NS	66.5 U	69.4 U	70.1 U	**280 J**	**140 J**	74.4 U
Hexachlorocyclopentadiene	1,800	NS	240 U	250 U	250 U	280 U	260 U	270 U
2,4,6-Trichlorophenol	63,000	NS	65.4 U	68.3 U	68.9 U	76 U	71.2 U	73.2 U
2,4,5-Trichlorophenol	6,300,000	NS	63.9 U	66.7 U	67.4 U	74.4 U	69.7 U	71.6 U
1,1-Biphenyl	47,000	NS	110 U	120 U	120 U	130 U	120 U	130 U
2-Chloronaphthalene	4,800,000	NS	81.5 U	85.1 U	85.9 U	94.8 U	88.8 U	91.2 U
2-Nitroaniline	630,000	NS	75.1 U	78.5 U	79.2 U	87.4 U	81.9 U	84.1 U
Dimethylphthalate	NS	NS	**480**	**530**	**440**	**470**	**540**	**500**
Acenaphthylene	NS	100,000	64.8 U	67.7 U	**81.3 J**	**940**	**580**	**750**
2,6-Dinitrotoluene	19,000	NS	76.4 U	79.7 U	80.5 U	88.8 U	83.2 U	85.5 U
3-Nitroaniline	NS	NS	140 U	150 U	150 U	160 U	150 U	160 U
Acenaphthene	3,600,000	100,000	73.3 U	76.5 U	77.3 U	85.3 U	79.9 U	82 U
2,4-Dinitrophenol	130,000	NS	94.7 UJ	98.9 UJ	99.9 UJ	110 UJ	100 UJ	110 UJ
4-Nitrophenol	NS	NS	69.8 U	72.9 U	73.6 U	81.2 U	76.1 U	78.1 U
Dibenzofuran	73,000	14,000	97.1 U	100 U	100 U	110 U	110 U	110 U
2,4-Dinitrotoluene	130,000	NS	89.9 U	93.9 U	94.8 U	100 U	98 U	100 U
Diethylphthalate	51,000,000	NS	68.3 U	71.3 U	72.1 U	79.5 U	74.5 U	76.5 U
4-Chlorophenyl-phenylether	NS	NS	90.2 U	94.2 U	95.1 U	100 U	98.3 U	100 U
Fluorene	2,400,000	100,000	55 U	57.5 U	58.1 U	**200 J**	**100 J**	**120 J**
4-Nitroaniline	250,000	NS	94.6 U	98.8 U	99.8 U	110 U	100 U	110 U
4,6-Dinitro-2-methylphenol	5,100	NS	75.4 U	78.8 U	79.6 U	87.8 U	82.2 U	84.5 U
N-Nitrosodiphenylamine	11,000,000	NS	83.6 U	87.3 U	88.2 U	97.2 U	91.1 U	93.6 U
4-Bromophenyl-phenylether	NS	NS	60.9 U	63.7 U	64.3 U	70.9 U	66.4 U	68.2 U
Hexachlorobenzene	21,000	330	71.9 U	75.1 U	75.8 U	83.6 U	78.3 U	80.5 U
Atrazine	240,000	NS	85.8 U	89.6 U	90.5 U	99.8 U	93.5 U	96.1 U
Pentachlorophenol	100,000	2,400	120 U	120 U	120 U	130 U	130 U	130 U
Phenanthrene	NS	100,000	**79.2 J**	64.4 U	**210 J**	**3,500**	**1,900**	**1,700**
Anthracene	18,000,000	100,000	60.2 U	62.9 U	63.5 U	**690**	**380 J**	**460**
Carbazole	NS	NS	97.1 U	100 U	100 U	110 U	110 U	110 U
Di-n-butylphthalate	6,300,000	NS	110 U	110 U	110 U	120 U	120 U	120 U
Fluoranthene	2,400,000	100,000	**96.7 J**	**140 J**	**410**	**4,100**	**2,500**	**2,800**
Pyrene	1,800,000	100,000	**180 J**	**240 J**	**620**	**7,400**	**3,900**	**4,700**
Butylbenzylphthalate	13,000,000	NS	69 U	72 U	72.7 U	80.2 U	75.2 U	77.2 U
3,3-Dichlorobenzidine	120,000	NS	160 U	170 U	170 U	190 U	170 U	180 U
Benzo(a)anthracene	110,000	1,000	40.6 U	**100 J**	**300 J**	**4,100**	**2,300**	**2,800**
Chrysene	11,000,000	1,000	**83.4 J**	**140 J**	**370 J**	**4,600**	**2,700**	**3,400**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	99.5 U	100 U	100 U	120 U	110 U	110 U
Di-n-octyl phthalate	630,000	NS	77 U	80.5 U	81.3 U	89.6 U	84 U	86.3 U
Benzo(b)fluoranthene	110,000	1,000	52.6 U	**150 J**	**390**	**3,700**	**2,600**	**3,200**
Benzo(k)fluoranthene	1,100,000	1,000	60.9 U	63.6 U	**130 J**	**1,400**	**610**	**1,100**
Benzo(a)pyrene	11,000	1,000	47.9 U	**96 J**	**270 J**	**3,100**	**1,800**	**2,500**
Indeno(1,2,3-cd)pyrene	110,000	500	78.1 U	**83.7 J**	**290 J**	**2,800**	**1,500**	**2,100**
Dibenzo(a,h)anthracene	11,000	330	56.5 U	59 U	**85.1 J**	**690**	**400**	**550**
Benzo(g,h,i)perylene	NS	100,000	**81.6 J**	**130 J**	**390**	**2,700**	**1,600**	**2,200**
1,2,4,5-Tetrachlorobenzene	23,000	NS	84.5 U	88.3 U	89.1 U	98.3 U	92.1 U	94.6 U
1,4-Dioxane	530,000	9,800	130 U	130 U	130 U	150 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	45 U	47 U	47.4 U	52.3 U	49 U	50.4 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02	P026-SS006-0206-01	P026-SS006-0612-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			12-18	18-24	0-2	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	120 U	640 U	120 U	110 U	100 U
Phenol	19,000,000	100,000	73.2 U	74.8 U	410 U	77.3 U	68.7 U	66.8 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	120 U	680 U	130 U	110 U	110 U
2-Chlorophenol	390,000	NS	77 U	78.6 U	430 U	81.3 U	72.3 U	70.2 U
2-Methylphenol	3,200,000	100,000	82.1 U	83.8 U	460 U	86.6 U	77 U	74.8 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	110 U	580 U	110 U	97.1 U	94.3 U
Acetophenone	7,800,000	NS	110 U	110 U	610 U	110 U	100 U	99.1 U
3+4-Methylphenols	NS*	NS**	110 U	120 U	650 U	120 U	110 U	100 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	160 U	900 U	170 U	150 U	150 U
Hexachloroethane	45,000	NS	98.5 U	100 U	550 U	100 U	92.4 U	89.8 U
Nitrobenzene	130,000	NS	50.6 U	51.7 U	280 U	53.4 U	47.5 U	46.2 U
Isophorone	13,000,000	NS	42.8 U	43.7 U	240 U	45.2 U	40.2 U	39.1 U
2-Nitrophenol	NS	NS	89.2 U	91.1 U	500 U	94.1 U	83.7 U	81.3 UJ
2,4-Dimethylphenol	1,300,000	NS	64.5 U	65.9 U	360 U	68.1 U	60.5 U	58.8 U
Bis(2-Chloroethoxy)methane	190,000	NS	60.1 U	61.4 U	340 U	63.4 U	56.4 U	54.8 U
2,4-Dichlorophenol	190,000	NS	59.9 U	61.2 U	340 U	63.2 U	56.2 U	54.6 U
Naphthalene	130,000	100,000	**87.8 J**	59.4 U	**760 J**	**770**	54.6 U	53 U
4-Chloroaniline	250,000	NS	160 U	160 U	900 U	170 U	150 U	150 U
Hexachlorobutadiene	78,000	NS	71 U	72.5 U	400 U	74.9 U	66.6 U	64.7 U
Caprolactam	31,000,000	NS	130 U	130 U	740 U	140 U	120 U	120 U
4-Chloro-3-methylphenol	6,300,000	NS	69.1 U	70.6 U	390 U	73 U	64.9 U	63 U
2-Methylnaphthalene	240,000	NS	71.9 U	73.4 U	**480 J**	**560**	67.4 U	65.5 U
Hexachlorocyclopentadiene	1,800	NS	260 U	260 U	1,500 U	270 U	240 U	240 U
2,4,6-Trichlorophenol	63,000	NS	70.7 U	72.2 U	400 U	74.6 U	66.3 U	64.4 U
2,4,5-Trichlorophenol	6,300,000	NS	69.1 U	70.6 U	390 U	72.9 U	64.9 U	63 U
1,1-Biphenyl	47,000	NS	120 U	120 U	680 UJ	**160 J**	110 U	110 U
2-Chloronaphthalene	4,800,000	NS	88.1 U	89.9 U	500 U	93 U	82.7 U	80.3 U
2-Nitroaniline	630,000	NS	81.2 U	83 U	460 U	85.7 U	76.2 U	74.1 U
Dimethylphthalate	NS	NS	**470**	**490**	**700 J**	**490**	**390**	**340 J**
Acenaphthylene	NS	100,000	**350 J**	**190 J**	**1,600 J**	**1,100**	**430**	63.9 U
2,6-Dinitrotoluene	19,000	NS	82.6 U	84.3 U	460 U	87.1 U	77.5 U	75.3 U
3-Nitroaniline	NS	NS	150 U	150 U	850 U	160 U	140 U	140 U
Acenaphthene	3,600,000	100,000	79.2 U	80.9 U	450 U	83.6 U	74.4 U	72.3 U
2,4-Dinitrophenol	130,000	NS	100 UJ	100 UJ	580 UJ	110 UJ	96.1 U	93.4 UJ
4-Nitrophenol	NS	NS	75.5 U	77 U	420 U	79.6 U	70.8 U	68.8 U
Dibenzofuran	73,000	14,000	110 U	110 U	590 U	110 U	98.5 U	95.7 U
2,4-Dinitrotoluene	130,000	NS	97.2 U	99.3 U	550 U	100 U	91.2 U	88.6 UJ
Diethylphthalate	51,000,000	NS	73.9 U	75.4 U	420 U	78 U	69.3 U	67.4 U
4-Chlorophenyl-phenylether	NS	NS	97.5 U	99.5 U	550 U	100 U	91.5 U	88.9 U
Fluorene	2,400,000	100,000	59.5 U	60.8 U	330 U	**210 J**	55.9 U	54.3 U
4-Nitroaniline	250,000	NS	100 U	100 U	580 U	110 U	96 U	93.3 U
4,6-Dinitro-2-methylphenol	5,100	NS	81.6 U	83.3 U	460 U	86.1 U	76.5 U	74.4 UJ
N-Nitrosodiphenylamine	11,000,000	NS	90.4 U	92.3 U	510 U	95.4 U	84.8 U	82.4 U
4-Bromophenyl-phenylether	NS	NS	65.9 U	67.3 U	370 U	69.6 U	61.9 U	60.1 U
Hexachlorobenzene	21,000	330	77.7 U	79.4 U	440 U	82 U	72.9 U	70.9 U
Atrazine	240,000	NS	92.8 U	94.8 U	520 U	97.9 U	87.1 U	84.6 U
Pentachlorophenol	100,000	2,400	130 U	130 U	710 U	130 U	120 U	110 U
Phenanthrene	NS	100,000	**850**	**480**	**5,500 J**	**3,500**	**750**	60.8 U
Anthracene	18,000,000	100,000	**190 J**	**97.2 J**	**950 J**	**750**	**210 J**	59.4 U
Carbazole	NS	NS	100 U	110 U	590 U	110 U	98.5 U	95.7 U
Di-n-butylphthalate	6,300,000	NS	120 U	120 U	650 U	120 U	110 U	110 U
Fluoranthene	2,400,000	100,000	**1,400**	**920**	**8,300 J**	**6,300**	**1,200**	**170 J**
Pyrene	1,800,000	100,000	**2,500**	**1,600**	**13,000 J**	**9,600**	**2,200**	**360**
Butylbenzylphthalate	13,000,000	NS	74.6 U	76.1 U	420 U	78.7 U	70 U	68 U
3,3-Dichlorobenzidine	120,000	NS	170 U	180 U	970 UJ	180 U	160 U	160 U
Benzo(a)anthracene	110,000	1,000	**1,400**	**770**	**6,300 J**	**5,000**	**1,200**	**150 J**
Chrysene	11,000,000	1,000	**1,700**	**890**	**7,200 J**	**5,100**	**1,700**	**210 J**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	110 U	610 U	110 U	100 U	98.1 U
Di-n-octyl phthalate	630,000	NS	83.3 U	85.1 U	470 U	87.9 U	78.2 UJ	76 U
Benzo(b)fluoranthene	110,000	1,000	**1,700**	**770**	**7,100 J**	**5,000**	**1,700**	**230 J**
Benzo(k)fluoranthene	1,100,000	1,000	**450**	**290 J**	**1,900 J**	**1,100 J**	**690**	**78.9 J**
Benzo(a)pyrene	11,000	1,000	**1,300**	**660**	**5,300 J**	**3,500**	**1,300**	**170 J**
Indeno(1,2,3-cd)pyrene	110,000	500	**1,200**	**540**	**3,300**	**2,900**	**1,000**	**140 J**
Dibenzo(a,h)anthracene	11,000	330	**270 J**	**140 J**	**1,000 J**	**740**	**280 J**	55.7 U
Benzo(g,h,i)perylene	NS	100,000	**1,200**	**600**	**4,200**	**3,000**	**1,200**	**200 J**
1,2,4,5-Tetrachlorobenzene	23,000	NS	91.4 U	93.3 U	510 U	96.5 U	85.8 U	83.3 U
1,4-Dioxane	530,000	9,800	140 U	140 U	770 U	140 U	130 U	120 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	48.6 U	49.7 U	270 U	51.3 U	45.6 U	44.4 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	110 U	120 U	120 U	120 U	120 U
Phenol	19,000,000	100,000	69.6 U	71.2 U	79.8 U	79.1 U	77.3 U	76.3 U
bis(2-Chloroethyl)ether	23,000	NS	110 U	120 U	130 U	130 U	130 U	130 U
2-Chlorophenol	390,000	NS	73.2 U	74.8 U	83.9 U	83.2 U	81.2 U	80.2 U
2-Methylphenol	3,200,000	100,000	78 U	79.7 U	89.4 U	88.6 U	86.6 U	85.5 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	98.3 U	100 U	110 U	110 U	110 U	110 U
Acetophenone	7,800,000	NS	100 U	110 U	120 U	120 U	110 U	110 U
3+4-Methylphenols	NS*	NS**	110 U	110 U	130 U	120 U	120 U	120 U
N-Nitroso-di-n-propylamine	7,800	NS	150 U	160 U	170 U	170 U	170 U	170 U
Hexachloroethane	45,000	NS	93.6 U	95.7 U	110 U	110 U	100 U	100 U
Nitrobenzene	130,000	NS	48.1 U	49.2 U	55.1 U	54.7 U	53.4 U	52.7 U
Isophorone	13,000,000	NS	40.7 U	41.6 U	46.7 U	46.3 U	45.2 U	44.6 U
2-Nitrophenol	NS	NS	84.8 U	86.7 U	97.1 U	96.3 U	94.1 UJ	92.9 U
2,4-Dimethylphenol	1,300,000	NS	61.3 U	62.7 U	70.2 U	69.7 U	68 U	67.2 U
Bis(2-Chloroethoxy)methane	190,000	NS	57.1 U	58.4 U	65.5 U	64.9 U	63.4 U	62.6 U
2,4-Dichlorophenol	190,000	NS	57 U	58.2 U	65.3 U	64.7 U	63.2 U	62.4 U
Naphthalene	130,000	100,000	55.3 U	56.5 U	**800**	**330 J**	61.3 U	**180 J**
4-Chloroaniline	250,000	NS	150 U	160 U	180 U	170 U	170 U	170 U
Hexachlorobutadiene	78,000	NS	67.5 U	69 U	77.3 U	76.7 U	74.9 U	74 U
Caprolactam	31,000,000	NS	120 U	130 U	140 U	140 U	140 U	140 U
4-Chloro-3-methylphenol	6,300,000	NS	65.7 U	67.2 U	75.3 U	74.7 U	72.9 U	72 U
2-Methylnaphthalene	240,000	NS	68.3 U	69.8 U	**560**	**220 J**	75.8 U	**130 J**
Hexachlorocyclopentadiene	1,800	NS	250 U	250 U	280 U	280 U	270 U	270 U
2,4,6-Trichlorophenol	63,000	NS	67.2 U	68.7 U	77 U	76.3 U	74.6 U	73.6 U
2,4,5-Trichlorophenol	6,300,000	NS	65.7 U	67.2 U	75.3 U	74.6 U	72.9 U	72 U
1,1-Biphenyl	47,000	NS	120 U	120 U	**180 J**	130 U	130 U	130 U
2-Chloronaphthalene	4,800,000	NS	83.7 U	85.6 U	95.9 U	95.1 U	92.9 U	91.7 U
2-Nitroaniline	630,000	NS	77.2 U	79 U	88.5 U	87.8 U	85.7 U	84.6 U
Dimethylphthalate	NS	NS	**320 J**	**250 J**	**410 J**	**320 J**	**350 J**	**410**
Acenaphthylene	NS	100,000	**100 J**	68.1 U	**1,200**	**510**	73.9 U	**280 J**
2,6-Dinitrotoluene	19,000	NS	78.5 U	80.2 U	89.9 U	89.2 U	87.1 U	86 U
3-Nitroaniline	NS	NS	140 U	150 U	160 U	160 U	160 U	160 U
Acenaphthene	3,600,000	100,000	75.3 U	77 U	86.3 U	85.6 U	83.6 U	82.5 U
2,4-Dinitrophenol	130,000	NS	97.3 U	99.5 U	110 U	110 U	110 UJ	110 U
4-Nitrophenol	NS	NS	71.7 U	73.3 U	82.2 U	81.5 U	79.6 U	78.6 U
Dibenzofuran	73,000	14,000	99.8 U	100 U	110 U	110 U	110 U	110 U
2,4-Dinitrotoluene	130,000	NS	92.4 U	94.5 U	110 U	100 U	100 UJ	100 U
Diethylphthalate	51,000,000	NS	70.2 U	71.8 U	80.5 U	79.8 U	77.9 U	77 U
4-Chlorophenyl-phenylether	NS	NS	92.7 U	94.7 U	110 U	110 U	100 U	100 U
Fluorene	2,400,000	100,000	56.6 U	57.9 U	**290 J**	**120 J**	62.8 U	62 U
4-Nitroaniline	250,000	NS	97.2 U	99.4 U	110 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	5,100	NS	77.5 U	79.3 U	88.8 U	88.1 U	86.1 UJ	85 U
N-Nitrosodiphenylamine	11,000,000	NS	85.9 U	87.8 U	98.5 U	97.6 U	95.4 U	94.2 U
4-Bromophenyl-phenylether	NS	NS	62.6 U	64.1 U	71.8 U	71.2 U	69.5 U	68.7 U
Hexachlorobenzene	21,000	330	73.9 U	75.5 U	84.7 U	83.9 U	82 U	81 U
Atrazine	240,000	NS	88.2 U	90.2 U	100 U	100 U	97.9 U	96.7 U
Pentachlorophenol	100,000	2,400	120 U	120 U	140 U	140 U	130 U	130 U
Phenanthrene	NS	100,000	**150 J**	64.8 U	**4,000**	**2,200**	**150 J**	**1,700**
Anthracene	18,000,000	100,000	61.9 U	63.3 U	**820**	**340 J**	68.7 U	**190 J**
Carbazole	NS	NS	99.8 U	100 U	110 U	110 U	110 U	110 U
Di-n-butylphthalate	6,300,000	NS	110 U	110 U	130 U	120 U	120 U	120 U
Fluoranthene	2,400,000	100,000	**240 J**	**100 J**	**8,200**	**2,400**	**230 J**	**1,700**
Pyrene	1,800,000	100,000	**440**	**180 J**	**14,500**	**4,300**	**450**	**2,900**
Butylbenzylphthalate	13,000,000	NS	70.9 U	72.5 U	81.2 U	80.5 U	78.7 U	77.7 U
3,3-Dichlorobenzidine	120,000	NS	160 U	170 U	190 U	190 U	180 U	180 U
Benzo(a)anthracene	110,000	1,000	**180 J**	42.7 U	**4,100**	**1,900**	**170 J**	**1,200**
Chrysene	11,000,000	1,000	**260 J**	**110 J**	**7,600**	**2,400**	**220 J**	**1,400**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	100 U	100 U	120 U	120 U	110 U	110 U
Di-n-octyl phthalate	630,000	NS	79.2 U	81 U	90.7 U	90 U	87.9 U	86.8 U
Benzo(b)fluoranthene	110,000	1,000	**280 J**	**110 J**	**4,000**	**1,900**	**200 J**	**1,200**
Benzo(k)fluoranthene	1,100,000	1,000	**85.9 J**	64 U	**1,200**	**640**	69.4 U	**290 J**
Benzo(a)pyrene	11,000	1,000	**200 J**	50.4 U	**3,300**	**1,600**	**150 J**	**960**
Indeno(1,2,3-cd)pyrene	110,000	500	**170 J**	82.1 UJ	**3,300**	**1,400**	**97.1 J**	**760**
Dibenzo(a,h)anthracene	11,000	330	58.1 U	59.4 U	**800**	**380 J**	64.5 U	**220 J**
Benzo(g,h,i)perylene	NS	100,000	**240 J**	**95 J**	**3,400**	**1,500**	**130 J**	**890**
1,2,4,5-Tetrachlorobenzene	23,000	NS	86.9 U	88.8 U	99.6 U	98.7 U	96.4 U	95.2 U
1,4-Dioxane	530,000	9,800	130 U	130 U	150 U	150 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	46.2 U	47.3 U	53 U	52.5 U	51.3 U	50.7 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS007-1824-01	P026-SS008-0002-01	P026-SS008-0206-01	P026-SS008-0206-02	P026-SS008-0612-01	P026-SS008-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			18-24	0-2	2-6	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	120 U	200 U	230 U	220 U	120 U	110 U
Phenol	19,000,000	100,000	75.7 U	130 U	150 U	140 U	77.5 U	72.4 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	210 U	240 U	230 U	130 U	120 U
2-Chlorophenol	390,000	NS	79.6 U	130 U	150 U	150 U	81.5 U	76.2 U
2-Methylphenol	3,200,000	100,000	84.8 U	140 U	160 U	160 U	86.8 U	81.1 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	180 U	210 U	200 U	110 U	100 U
Acetophenone	7,800,000	NS	110 U	190 U	220 U	210 U	120 U	110 U
3+4-Methylphenols	NS*	NS**	120 U	200 U	230 U	220 U	120 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	170 U	280 U	320 U	300 U	170 U	160 U
Hexachloroethane	45,000	NS	100 U	170 U	200 U	190 U	100 U	97.4 U
Nitrobenzene	130,000	NS	52.3 U	87.8 U	100 U	96.1 U	53.6 U	50.1 U
Isophorone	13,000,000	NS	44.3 U	74.3 U	86 U	81.3 U	45.3 U	42.4 U
2-Nitrophenol	NS	NS	92.2 U	150 U	180 U	170 U	94.4 UJ	88.2 UJ
2,4-Dimethylphenol	1,300,000	NS	66.6 U	110 U	130 U	120 U	68.3 U	63.8 U
Bis(2-Chloroethoxy)methane	190,000	NS	62.1 U	100 U	120 U	110 U	63.6 U	59.4 U
2,4-Dichlorophenol	190,000	NS	61.9 U	100 U	120 U	110 U	63.4 U	59.3 U
Naphthalene	130,000	100,000	60.1 U	100 U	120 U	110 U	61.5 U	57.5 U
4-Chloroaniline	250,000	NS	170 U	280 U	320 UJ	310 U	170 U	160 U
Hexachlorobutadiene	78,000	NS	73.4 U	120 U	140 U	130 U	75.1 U	70.2 U
Caprolactam	31,000,000	NS	140 U	230 U	260 U	250 U	140 UJ	130 U
4-Chloro-3-methylphenol	6,300,000	NS	71.4 U	120 U	140 U	130 U	73.2 U	68.4 U
2-Methylnaphthalene	240,000	NS	74.3 U	120 U	140 U	140 U	76.1 U	71.1 U
Hexachlorocyclopentadiene	1,800	NS	270 U	450 U	520 U	490 U	270 U	260 U
2,4,6-Trichlorophenol	63,000	NS	73 U	120 U	140 U	130 U	74.8 U	69.9 U
2,4,5-Trichlorophenol	6,300,000	NS	71.4 U	120 U	140 U	130 U	73.1 U	68.3 U
1,1-Biphenyl	47,000	NS	130 U	210 U	240 U	230 U	130 U	120 U
2-Chloronaphthalene	4,800,000	NS	91 U	150 U	180 U	170 U	93.2 U	87.1 U
2-Nitroaniline	630,000	NS	84 U	140 U	160 U	150 U	86 U	80.3 U
Dimethylphthalate	NS	NS	**240 J**	**660 J**	**610 J**	**950**	**430**	**260 J**
Acenaphthylene	NS	100,000	**130 J**	120 U	140 U	130 U	74.2 U	69.3 U
2,6-Dinitrotoluene	19,000	NS	85.3 U	140 U	170 U	160 U	87.4 U	81.7 U
3-Nitroaniline	NS	NS	160 U	260 U	300 U	290 U	160 U	150 U
Acenaphthene	3,600,000	100,000	81.9 U	140 U	160 U	150 U	83.9 U	78.4 U
2,4-Dinitrophenol	130,000	NS	110 U	180 U	210 U	190 U	110 UJ	100 UJ
4-Nitrophenol	NS	NS	78 U	130 U	150 U	140 U	79.9 U	74.6 U
Dibenzofuran	73,000	14,000	110 U	180 U	210 U	200 U	110 U	100 U
2,4-Dinitrotoluene	130,000	NS	100 U	170 U	200 U	180 U	100 U	96.1 UJ
Diethylphthalate	51,000,000	NS	76.3 U	130 U	150 U	140 U	78.2 U	73.1 U
4-Chlorophenyl-phenylether	NS	NS	100 U	170 U	200 U	180 U	100 U	96.4 U
Fluorene	2,400,000	100,000	61.5 U	100 U	120 U	110 U	63 U	58.9 U
4-Nitroaniline	250,000	NS	110 U	180 U	210 UJ	190 U	110 U	100 U
4,6-Dinitro-2-methylphenol	5,100	NS	84.3 U	140 U	160 U	150 U	86.3 UJ	80.7 UJ
N-Nitrosodiphenylamine	11,000,000	NS	93.4 U	160 U	180 U	170 U	95.7 U	89.4 U
4-Bromophenyl-phenylether	NS	NS	68.1 U	110 U	130 U	130 U	69.8 U	65.2 U
Hexachlorobenzene	21,000	330	80.3 U	130 U	160 U	150 U	82.3 U	76.9 U
Atrazine	240,000	NS	95.9 U	160 U	190 U	180 U	98.2 U	91.8 U
Pentachlorophenol	100,000	2,400	130 U	220 U	250 U	240 U	130 U	120 U
Phenanthrene	NS	100,000	**350 J**	120 U	130 U	130 U	70.6 U	65.9 U
Anthracene	18,000,000	100,000	67.3 U	110 U	130 U	120 U	68.9 U	64.4 U
Carbazole	NS	NS	110 U	180 U	210 U	200 U	110 U	100 U
Di-n-butylphthalate	6,300,000	NS	120 U	200 U	230 U	220 U	120 U	110 U
Fluoranthene	2,400,000	100,000	**520**	100 U	120 U	110 U	61.2 U	57.2 U
Pyrene	1,800,000	100,000	**940**	120 U	140 U	130 U	75.3 U	70.4 U
Butylbenzylphthalate	13,000,000	NS	77.1 U	130 U	150 U	140 U	78.9 UJ	73.7 U
3,3-Dichlorobenzidine	120,000	NS	180 U	300 U	350 UJ	330 U	180 U	170 U
Benzo(a)anthracene	110,000	1,000	**340 J**	76.2 U	88.2 U	83.4 U	46.5 U	43.5 U
Chrysene	11,000,000	1,000	**450**	86.2 U	99.8 U	94.3 U	52.6 U	49.2 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	190 U	220 U	200 U	110 U	110 U
Di-n-octyl phthalate	630,000	NS	86.1 U	140 U	170 UJ	160 UJ	88.2 UJ	82.4 U
Benzo(b)fluoranthene	110,000	1,000	**400**	98.5 U	110 U	110 U	60.2 U	56.2 U
Benzo(k)fluoranthene	1,100,000	1,000	**120 J**	110 U	130 U	120 U	69.7 U	65.1 U
Benzo(a)pyrene	11,000	1,000	**300 J**	89.8 U	100 U	98.3 U	54.8 U	51.2 U
Indeno(1,2,3-cd)pyrene	110,000	500	**210 J**	150 U	170 U	160 U	89.4 U	83.6 U
Dibenzo(a,h)anthracene	11,000	330	63.2 U	110 U	120 U	120 U	64.7 U	60.5 U
Benzo(g,h,i)perylene	NS	100,000	**280 J**	120 U	140 U	140 U	75.6 U	70.6 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	94.4 U	160 U	180 U	170 U	96.7 U	90.4 U
1,4-Dioxane	530,000	9,800	140 U	240 U	270 U	260 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	50.3 U	84.3 U	97.7 U	92.3 U	51.5 U	48.1 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS008-1824-01	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01	P026-SS009-1824-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	110 U	1,100 U	540 U	110 U	110 U
Phenol	19,000,000	100,000	73.2 U	72.9 U	700 U	350 U	70.7 U	72.7 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	120 U	1,200 U	580 U	120 U	120 U
2-Chlorophenol	390,000	NS	76.9 U	76.7 U	740 U	370 U	74.4 U	76.4 U
2-Methylphenol	3,200,000	100,000	82 U	81.7 U	790 U	390 U	79.2 U	81.4 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	100 U	990 U	490 U	99.9 U	100 U
Acetophenone	7,800,000	NS	110 U	110 U	1,000 U	520 U	100 U	110 U
3+4-Methylphenols	NS*	NS**	110 U	110 U	1,100 U	550 U	110 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	160 U	1,500 U	760 U	150 U	160 U
Hexachloroethane	45,000	NS	98.3 U	98 U	940 U	470 U	95.1 U	97.7 U
Nitrobenzene	130,000	NS	50.6 U	50.4 U	490 U	240 U	48.9 U	50.3 U
Isophorone	13,000,000	NS	42.8 U	42.6 U	410 U	200 U	41.4 U	42.5 U
2-Nitrophenol	NS	NS	89.1 U	88.8 U	860 U	430 U	86.1 U	88.5 U
2,4-Dimethylphenol	1,300,000	NS	64.4 U	64.2 U	620 U	310 U	62.3 U	64 U
Bis(2-Chloroethoxy)methane	190,000	NS	60 U	59.9 U	580 U	290 U	58 U	59.7 U
2,4-Dichlorophenol	190,000	NS	59.9 U	59.7 U	580 U	290 U	57.9 U	59.5 U
Naphthalene	130,000	100,000	58.1 U	**170 J**	560 U	280 U	**78.3 J**	57.7 U
4-Chloroaniline	250,000	NS	160 U	160 U	1,500 U	770 U	160 U	160 U
Hexachlorobutadiene	78,000	NS	70.9 U	70.7 U	680 U	340 U	68.5 U	70.5 U
Caprolactam	31,000,000	NS	130 U	130 U	1,300 U	630 U	130 U	130 U
4-Chloro-3-methylphenol	6,300,000	NS	69.1 U	68.8 U	660 U	330 U	66.8 U	68.6 U
2-Methylnaphthalene	240,000	NS	71.8 U	**100 J**	690 U	340 U	69.4 U	71.3 U
Hexachlorocyclopentadiene	1,800	NS	260 U	260 U	2,500 U	1,200 U	250 U	260 U
2,4,6-Trichlorophenol	63,000	NS	70.6 U	70.4 U	680 U	340 U	68.2 U	70.1 U
2,4,5-Trichlorophenol	6,300,000	NS	69 U	68.8 U	660 U	330 U	66.7 U	68.6 U
1,1-Biphenyl	47,000	NS	120 U	120 U	1,200 U	580 U	120 U	120 U
2-Chloronaphthalene	4,800,000	NS	88 U	87.7 U	850 U	420 U	85 U	87.4 U
2-Nitroaniline	630,000	NS	81.2 U	80.9 U	780 U	390 U	78.4 U	80.6 U
Dimethylphthalate	NS	NS	**540**	**490**	570 U	**410 J**	**420**	**410**
Acenaphthylene	NS	100,000	70 U	**780**	**1,700 J**	**460 J**	**220 J**	**91.5 J**
2,6-Dinitrotoluene	19,000	NS	82.5 U	82.2 U	790 U	390 U	79.7 U	82 U
3-Nitroaniline	NS	NS	150 U	150 U	1,500 U	720 U	150 U	150 U
Acenaphthene	3,600,000	100,000	79.1 U	78.9 U	760 U	380 U	76.5 U	78.6 U
2,4-Dinitrophenol	130,000	NS	100 UJ	100 U	980 U	490 U	98.9 U	100 U
4-Nitrophenol	NS	NS	75.4 U	75.1 U	720 U	360 U	72.9 U	74.9 U
Dibenzofuran	73,000	14,000	100 U	100 U	1,000 U	500 U	100 U	100 U
2,4-Dinitrotoluene	130,000	NS	97.1 U	96.8 U	930 U	460 U	93.9 U	96.5 U
Diethylphthalate	51,000,000	NS	73.8 U	73.6 U	710 U	350 U	71.3 U	73.3 U
4-Chlorophenyl-phenylether	NS	NS	97.4 U	97.1 U	940 U	470 U	94.1 U	96.8 U
Fluorene	2,400,000	100,000	59.5 U	59.3 U	570 U	280 U	57.5 U	59.1 U
4-Nitroaniline	250,000	NS	100 U	100 U	980 U	490 U	98.8 U	100 U
4,6-Dinitro-2-methylphenol	5,100	NS	81.5 U	81.2 U	780 U	390 U	78.8 U	81 U
N-Nitrosodiphenylamine	11,000,000	NS	90.3 U	90 U	870 U	430 U	87.3 U	89.7 U
4-Bromophenyl-phenylether	NS	NS	65.8 U	65.6 U	630 U	310 U	63.6 U	65.4 U
Hexachlorobenzene	21,000	330	77.6 U	77.4 U	750 U	370 U	75 U	77.1 U
Atrazine	240,000	NS	92.7 U	92.4 U	890 U	440 U	89.6 U	92.1 U
Pentachlorophenol	100,000	2,400	130 U	120 U	1,200 U	600 U	120 U	120 U
Phenanthrene	NS	100,000	66.6 U	**1,800**	**7,300**	**1,000 J**	**780**	**190 J**
Anthracene	18,000,000	100,000	65.1 U	**480**	**1,300 J**	310 U	**160 J**	64.6 U
Carbazole	NS	NS	100 U	100 U	1,000 U	500 U	100 U	100 U
Di-n-butylphthalate	6,300,000	NS	120 U	110 U	1,100 U	550 U	110 U	110 U
Fluoranthene	2,400,000	100,000	57.7 U	**3,000**	**8,900**	**1,800**	**1,200**	**300 J**
Pyrene	1,800,000	100,000	71.1 U	**4,400**	**14,700**	**3,100**	**2,000**	**510**
Butylbenzylphthalate	13,000,000	NS	74.5 U	74.2 U	720 U	360 U	72 U	74 U
3,3-Dichlorobenzidine	120,000	NS	170 U	170 U	1,700 U	820 U	170 U	170 U
Benzo(a)anthracene	110,000	1,000	43.9 U	**1,900**	**7,000**	**1,600 J**	**930**	**210 J**
Chrysene	11,000,000	1,000	49.7 U	**2,300**	**7,700**	**1,800**	**1,100**	**260 J**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	110 U	1,000 U	510 U	100 U	110 U
Di-n-octyl phthalate	630,000	NS	83.2 U	82.9 U	800 U	400 U	80.4 U	82.7 U
Benzo(b)fluoranthene	110,000	1,000	56.8 U	**2,000**	**7,000**	**2,100**	**940**	**220 J**
Benzo(k)fluoranthene	1,100,000	1,000	65.7 U	**540**	**2,700 J**	**430 J**	**370**	**98.7 J**
Benzo(a)pyrene	11,000	1,000	51.8 U	**1,500**	**5,300**	**1,400 J**	**720**	**170 J**
Indeno(1,2,3-cd)pyrene	110,000	500	84.4 U	**1,100 J**	**3,700**	**1,100 J**	**480**	**130 J**
Dibenzo(a,h)anthracene	11,000	330	61.1 U	**290 J**	**1,000 J**	290 U	**150 J**	60.7 U
Benzo(g,h,i)perylene	NS	100,000	71.3 U	**1,400**	**4,600**	**1,400 J**	**570**	**180 J**
1,2,4,5-Tetrachlorobenzene	23,000	NS	91.3 U	91 U	880 U	440 U	88.2 U	90.7 U
1,4-Dioxane	530,000	9,800	140 U	140 U	1,300 U	650 U	130 U	140 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	48.6 U	48.4 U	470 U	230 U	47 U	48.3 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01	P026-SS010-1824-01	P026-SS011-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	130 U	120 U	120 U	120 U	120 U	230 U
Phenol	19,000,000	100,000	86.4 U	77.6 U	77.5 U	76.3 U	75 U	150 U
bis(2-Chloroethyl)ether	23,000	NS	140 U	130 U	130 U	130 U	120 U	240 U
2-Chlorophenol	390,000	NS	90.9 U	81.6 U	81.5 U	80.2 U	78.8 U	150 U
2-Methylphenol	3,200,000	100,000	96.8 U	86.9 U	86.8 U	85.5 U	84 U	160 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	120 U	110 U	110 U	110 U	110 U	210 U
Acetophenone	7,800,000	NS	130 U	120 U	120 U	110 U	110 U	220 U
3+4-Methylphenols	NS*	NS**	140 U	120 U	120 U	120 U	120 U	230 U
N-Nitroso-di-n-propylamine	7,800	NS	190 U	170 U	170 U	170 U	160 U	320 U
Hexachloroethane	45,000	NS	120 U	100 U	100 U	100 U	100 U	200 U
Nitrobenzene	130,000	NS	59.7 U	53.6 U	53.6 U	52.8 U	51.8 U	100 U
Isophorone	13,000,000	NS	50.5 U	45.4 U	45.3 U	44.6 U	43.9 U	85.2 U
2-Nitrophenol	NS	NS	110 U	94.5 U	94.4 U	92.9 U	91.3 U	180 U
2,4-Dimethylphenol	1,300,000	NS	76.1 U	68.3 U	68.2 U	67.2 U	66 U	130 U
Bis(2-Chloroethoxy)methane	190,000	NS	70.9 U	63.7 U	63.6 U	62.6 U	61.5 U	120 U
2,4-Dichlorophenol	190,000	NS	70.7 U	63.5 U	63.4 U	62.4 U	61.3 U	120 U
Naphthalene	130,000	100,000	**250 J**	**130 J**	**130 J**	**130 J**	59.5 U	120 U
4-Chloroaniline	250,000	NS	190 U	170 U	170 U	170 U	160 U	320 U
Hexachlorobutadiene	78,000	NS	83.8 U	75.2 U	75.1 U	74 U	72.7 U	140 U
Caprolactam	31,000,000	NS	150 U	140 U	140 U	140 U	130 U	260 U
4-Chloro-3-methylphenol	6,300,000	NS	81.6 U	73.2 U	73.1 U	72 U	70.8 U	140 U
2-Methylnaphthalene	240,000	NS	**170 J**	**86.2 J**	**95 J**	**91.3 J**	73.6 U	140 U
Hexachlorocyclopentadiene	1,800	NS	310 U	270 U	270 U	270 U	270 U	520 U
2,4,6-Trichlorophenol	63,000	NS	83.4 U	74.8 U	74.8 U	73.6 U	72.3 U	140 U
2,4,5-Trichlorophenol	6,300,000	NS	81.5 U	73.2 U	73.1 U	72 U	70.7 U	140 U
1,1-Biphenyl	47,000	NS	140 U	130 U	130 U	130 U	120 U	240 U
2-Chloronaphthalene	4,800,000	NS	100 U	93.3 U	93.2 U	91.8 U	90.2 U	180 U
2-Nitroaniline	630,000	NS	95.9 U	86 U	86 U	84.7 U	83.2 U	160 U
Dimethylphthalate	NS	NS	**490**	**450**	**390 J**	**460**	**350 J**	**1,000**
Acenaphthylene	NS	100,000	**460**	**290 J**	**230 J**	**180 J**	71.7 U	140 U
2,6-Dinitrotoluene	19,000	NS	97.4 U	87.4 U	87.4 U	86 U	84.5 U	160 U
3-Nitroaniline	NS	NS	180 U	160 U	160 U	160 U	150 U	300 U
Acenaphthene	3,600,000	100,000	93.5 U	83.9 U	83.8 U	82.6 U	81.1 U	160 U
2,4-Dinitrophenol	130,000	NS	120 U	110 U	110 U	110 U	100 U	200 U
4-Nitrophenol	NS	NS	89 U	79.9 U	79.8 U	78.6 U	77.2 U	150 U
Dibenzofuran	73,000	14,000	120 U	110 U	110 U	110 U	110 U	210 U
2,4-Dinitrotoluene	130,000	NS	110 U	100 U	100 U	100 U	99.5 U	190 U
Diethylphthalate	51,000,000	NS	87.2 U	78.2 U	78.2 U	77 U	75.6 U	150 U
4-Chlorophenyl-phenylether	NS	NS	120 U	100 U	100 U	100 U	99.8 U	190 U
Fluorene	2,400,000	100,000	70.2 U	63 U	63 U	62 U	60.9 U	120 U
4-Nitroaniline	250,000	NS	120 U	110 U	110 U	110 U	100 U	200 U
4,6-Dinitro-2-methylphenol	5,100	NS	96.2 U	86.4 U	86.3 U	85 U	83.5 U	160 U
N-Nitrosodiphenylamine	11,000,000	NS	110 U	95.7 U	95.6 U	94.2 U	92.5 U	180 U
4-Bromophenyl-phenylether	NS	NS	77.8 U	69.8 U	69.7 U	68.7 U	67.5 U	130 U
Hexachlorobenzene	21,000	330	91.7 U	82.3 U	82.2 U	81 U	79.6 U	150 U
Atrazine	240,000	NS	110 U	98.3 U	98.2 U	96.7 U	95 U	180 U
Pentachlorophenol	100,000	2,400	150 U	130 U	130 U	130 U	130 U	250 U
Phenanthrene	NS	100,000	**1,500**	**980**	**900**	**650**	**92.6 J**	130 U
Anthracene	18,000,000	100,000	**290 J**	**170 J**	**150 J**	**110 J**	66.7 U	130 U
Carbazole	NS	NS	120 U	110 U	110 U	110 U	110 U	210 U
Di-n-butylphthalate	6,300,000	NS	140 U	120 U	120 U	120 U	120 U	230 U
Fluoranthene	2,400,000	100,000	**2,100**	**1,300**	**1,100**	**800**	**160 J**	110 U
Pyrene	1,800,000	100,000	**3,600**	**2,300**	**1,800**	**1,300**	**290 J**	140 U
Butylbenzylphthalate	13,000,000	NS	88 U	79 U	78.9 U	77.7 U	76.3 U	150 U
3,3-Dichlorobenzidine	120,000	NS	200 U	180 U	180 U	180 U	180 U	340 U
Benzo(a)anthracene	110,000	1,000	**1,700**	**1,100**	**830**	**610**	**120 J**	87.4 U
Chrysene	11,000,000	1,000	**2,100**	**1,300**	**1,100**	**760**	**160 J**	98.9 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	130 U	110 U	110 U	110 U	110 U	210 U
Di-n-octyl phthalate	630,000	NS	98.3 U	88.2 U	88.1 U	86.8 UJ	85.3 U	170 UJ
Benzo(b)fluoranthene	110,000	1,000	**2,000**	**1,400**	**1,100**	**740**	**150 J**	110 U
Benzo(k)fluoranthene	1,100,000	1,000	**600**	**390 J**	**340 J**	**280 J**	67.4 U	130 U
Benzo(a)pyrene	11,000	1,000	**1,500**	**970**	**750**	**540**	**110 J**	100 U
Indeno(1,2,3-cd)pyrene	110,000	500	**1,100**	**780**	**560**	**360 J**	**92 J**	170 U
Dibenzo(a,h)anthracene	11,000	330	**310 J**	**230 J**	**160 J**	**110 J**	62.6 U	120 U
Benzo(g,h,i)perylene	NS	100,000	**1,300**	**860**	**660**	**440**	**120 J**	140 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	110 U	96.8 U	96.7 U	95.2 U	93.6 U	180 U
1,4-Dioxane	530,000	9,800	160 U	140 U	140 U	140 U	140 U	270 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	57.4 U	51.5 U	51.5 U	50.7 U	49.8 U	96.7 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

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**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	270 U	150 U	140 U	120 U	130 U	130 U
Phenol	19,000,000	100,000	180 U	94.3 U	88.6 U	80.3 U	83.6 U	82.5 U
bis(2-Chloroethyl)ether	23,000	NS	290 U	160 U	150 U	130 U	140 U	140 U
2-Chlorophenol	390,000	NS	180 U	99.1 U	93.2 U	84.4 U	87.9 U	86.7 U
2-Methylphenol	3,200,000	100,000	200 U	110 U	99.3 U	90 U	93.6 U	92.4 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	250 U	130 U	130 U	110 U	120 U	120 U
Acetophenone	7,800,000	NS	260 U	140 U	130 U	120 U	120 U	120 U
3+4-Methylphenols	NS*	NS**	280 U	150 U	140 U	130 U	130 U	130 U
N-Nitroso-di-n-propylamine	7,800	NS	380 U	210 U	190 U	180 U	180 U	180 U
Hexachloroethane	45,000	NS	240 U	130 U	120 U	110 U	110 U	110 U
Nitrobenzene	130,000	NS	120 U	65.2 U	61.3 U	55.5 U	57.8 U	57 U
Isophorone	13,000,000	NS	100 U	55.1 U	51.8 U	47 U	48.9 U	48.2 U
2-Nitrophenol	NS	NS	210 U	110 U	110 U	97.8 UJ	100 U	100 U
2,4-Dimethylphenol	1,300,000	NS	150 U	83 U	78 U	70.7 U	73.6 U	72.6 U
Bis(2-Chloroethoxy)methane	190,000	NS	140 U	77.4 U	72.7 U	65.9 U	68.6 U	67.7 U
2,4-Dichlorophenol	190,000	NS	140 U	77.1 U	72.5 U	65.7 U	68.4 U	67.5 U
Naphthalene	130,000	100,000	140 U	74.8 U	70.4 U	63.7 U	**700 J**	**1,000**
4-Chloroaniline	250,000	NS	390 U	210 U	190 U	180 U	180 UJ	180 U
Hexachlorobutadiene	78,000	NS	170 U	91.4 U	85.9 U	77.8 U	81 U	80 U
Caprolactam	31,000,000	NS	310 U	170 U	160 U	140 U	150 U	150 U
4-Chloro-3-methylphenol	6,300,000	NS	170 U	89 U	83.7 U	75.8 U	78.9 U	77.9 U
2-Methylnaphthalene	240,000	NS	170 U	92.5 U	87 U	78.8 U	**480**	**710**
Hexachlorocyclopentadiene	1,800	NS	620 U	330 U	310 U	280 U	300 U	290 U
2,4,6-Trichlorophenol	63,000	NS	170 U	91 U	85.5 U	77.5 U	80.6 U	79.6 U
2,4,5-Trichlorophenol	6,300,000	NS	170 U	88.9 U	83.6 U	75.8 U	78.8 U	77.8 U
1,1-Biphenyl	47,000	NS	290 U	160 U	150 U	130 U	**170 J**	**250 J**
2-Chloronaphthalene	4,800,000	NS	210 U	110 U	110 U	96.6 U	100 U	99.2 U
2-Nitroaniline	630,000	NS	190 U	100 U	98.3 U	89.1 U	92.7 U	91.5 U
Dimethylphthalate	NS	NS	**990**	**750**	**650**	**550**	**510**	**530**
Acenaphthylene	NS	100,000	170 U	90.2 U	84.8 U	76.8 U	**1,200 J**	**1,700**
2,6-Dinitrotoluene	19,000	NS	200 U	110 U	99.9 U	90.5 U	94.2 U	93 U
3-Nitroaniline	NS	NS	360 U	190 U	180 U	170 U	170 U	170 U
Acenaphthene	3,600,000	100,000	190 U	100 U	95.9 U	86.9 U	90.4 U	89.2 U
2,4-Dinitrophenol	130,000	NS	250 U	130 U	120 U	110 UJ	120 U	120 U
4-Nitrophenol	NS	NS	180 U	97.1 U	91.3 U	82.7 U	86.1 U	85 U
Dibenzofuran	73,000	14,000	250 U	140 U	130 U	120 U	120 U	120 U
2,4-Dinitrotoluene	130,000	NS	230 U	130 U	120 U	110 UJ	110 U	110 U
Diethylphthalate	51,000,000	NS	180 U	95.1 U	89.4 U	81 U	84.3 U	83.2 U
4-Chlorophenyl-phenylether	NS	NS	230 U	130 U	120 U	110 U	110 U	110 U
Fluorene	2,400,000	100,000	140 U	76.6 U	72 U	65.3 U	**220 J**	**330 J**
4-Nitroaniline	250,000	NS	250 U	130 U	120 U	110 U	120 UJ	120 U
4,6-Dinitro-2-methylphenol	5,100	NS	200 U	100 U	98.7 U	89.4 UJ	93.1 U	91.9 U
N-Nitrosodiphenylamine	11,000,000	NS	220 U	120 U	110 U	99.1 U	100 U	100 U
4-Bromophenyl-phenylether	NS	NS	160 U	84.8 U	79.7 U	72.3 U	75.2 U	74.2 U
Hexachlorobenzene	21,000	330	190 U	100 U	94 U	85.2 U	88.7 U	87.5 U
Atrazine	240,000	NS	220 U	120 U	110 U	100 U	110 U	100 U
Pentachlorophenol	100,000	2,400	300 U	160 U	150 U	140 U	140 U	140 U
Phenanthrene	NS	100,000	160 U	85.8 U	80.7 U	73.1 U	**3,500 J**	**7,500**
Anthracene	18,000,000	100,000	160 U	83.8 U	78.8 U	71.4 U	**600**	**960**
Carbazole	NS	NS	250 U	140 U	130 U	120 U	120 U	120 U
Di-n-butylphthalate	6,300,000	NS	280 U	150 U	140 U	130 U	130 U	130 U
Fluoranthene	2,400,000	100,000	140 U	74.4 U	69.9 U	63.4 U	**3,800 J**	**8,600**
Pyrene	1,800,000	100,000	170 U	91.6 U	86.1 U	78 U	**11,100**	**13,500**
Butylbenzylphthalate	13,000,000	NS	180 U	96 U	90.2 U	81.7 U	85.1 U	84 U
3,3-Dichlorobenzidine	120,000	NS	410 U	220 U	210 U	190 U	200 UJ	190 U
Benzo(a)anthracene	110,000	1,000	110 U	56.6 U	53.2 U	48.2 U	**4,200 J**	**6,200**
Chrysene	11,000,000	1,000	120 U	64 U	60.1 U	54.5 U	**5,500**	**7,700**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	260 U	140 U	130 U	120 U	120 U	120 U
Di-n-octyl phthalate	630,000	NS	200 U	110 U	100 U	91.3 U	95 UJ	93.8 U
Benzo(b)fluoranthene	110,000	1,000	140 U	73.1 U	68.8 U	62.3 U	**3,900 J**	**7,100**
Benzo(k)fluoranthene	1,100,000	1,000	160 U	84.7 U	79.6 U	72.2 U	**1,500 J**	**1,600**
Benzo(a)pyrene	11,000	1,000	120 U	66.7 U	62.7 U	56.8 U	**3,700 J**	**6,100**
Indeno(1,2,3-cd)pyrene	110,000	500	200 U	110 U	100 U	92.6 U	**2,900**	**3,700**
Dibenzo(a,h)anthracene	11,000	330	150 U	78.7 U	74 U	67 U	**720**	**980**
Benzo(g,h,i)perylene	NS	100,000	170 U	91.9 U	86.4 U	78.3 U	**2,900 J**	**4,100**
1,2,4,5-Tetrachlorobenzene	23,000	NS	220 U	120 U	110 U	100 U	100 U	100 U
1,4-Dioxane	530,000	9,800	330 U	180 U	170 U	150 U	160 U	150 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	120 U	62.6 U	58.9 U	53.3 U	55.5 U	54.8 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS012-0206-01	P026-SS012-0612-01	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	110 U	110 U	120 U	660 U	630 U
Phenol	19,000,000	100,000	72.5 U	71 U	72.6 U	75.7 U	420 U	400 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	120 U	120 U	120 U	700 U	660 U
2-Chlorophenol	390,000	NS	76.2 U	74.7 U	76.4 U	79.6 U	440 U	420 U
2-Methylphenol	3,200,000	100,000	81.2 U	79.6 U	81.4 U	84.8 U	470 U	450 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	100 U	100 U	110 U	600 U	570 U
Acetophenone	7,800,000	NS	110 U	110 U	110 U	110 U	630 U	600 U
3+4-Methylphenols	NS*	NS**	110 U	110 U	110 U	120 U	660 U	630 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	160 U	160 U	170 U	920 U	880 U
Hexachloroethane	45,000	NS	97.5 U	95.5 U	97.6 U	100 U	570 U	540 U
Nitrobenzene	130,000	NS	50.1 U	49.1 U	50.2 U	52.3 U	290 U	280 U
Isophorone	13,000,000	NS	42.4 U	41.5 U	42.5 U	44.3 U	250 U	240 U
2-Nitrophenol	NS	NS	88.3 U	86.5 UJ	88.4 UJ	92.2 UJ	510 U	490 U
2,4-Dimethylphenol	1,300,000	NS	63.9 U	62.6 U	64 U	66.7 U	370 U	350 U
Bis(2-Chloroethoxy)methane	190,000	NS	59.5 U	58.3 U	59.6 U	62.1 U	350 U	330 U
2,4-Dichlorophenol	190,000	NS	59.3 U	58.1 U	59.4 U	61.9 U	340 U	330 U
Naphthalene	130,000	100,000	**130 J**	56.4 U	57.7 U	60.1 U	**560 J**	**910 J**
4-Chloroaniline	250,000	NS	160 U	160 U	160 U	170 U	920 U	880 U
Hexachlorobutadiene	78,000	NS	70.3 U	68.9 U	70.4 U	73.4 U	410 U	390 U
Caprolactam	31,000,000	NS	130 U	130 UJ	130 U	140 U	750 U	720 U
4-Chloro-3-methylphenol	6,300,000	NS	68.5 U	67.1 U	68.6 U	71.5 U	400 U	380 U
2-Methylnaphthalene	240,000	NS	**90.2 J**	69.7 U	71.3 U	74.3 U	410 U	**540 J**
Hexachlorocyclopentadiene	1,800	NS	260 U	250 U	260 U	270 U	1,500 U	1,400 U
2,4,6-Trichlorophenol	63,000	NS	70 U	68.6 U	70.1 U	73 U	410 U	390 U
2,4,5-Trichlorophenol	6,300,000	NS	68.4 U	67 U	68.5 U	71.4 U	400 U	380 U
1,1-Biphenyl	47,000	NS	120 U	120 U	120 U	130 U	700 U	670 U
2-Chloronaphthalene	4,800,000	NS	87.2 U	85.4 U	87.3 U	91 U	510 U	480 U
2-Nitroaniline	630,000	NS	80.4 U	78.8 U	80.6 U	84 U	470 U	450 U
Dimethylphthalate	NS	NS	**510**	**470**	**570**	**600**	340 U	320 U
Acenaphthylene	NS	100,000	**420**	68 U	69.5 U	72.4 U	**860 J**	**1,500 J**
2,6-Dinitrotoluene	19,000	NS	81.7 U	80.1 U	81.9 U	85.3 U	470 U	450 U
3-Nitroaniline	NS	NS	150 U	150 U	150 U	160 U	870 U	830 U
Acenaphthene	3,600,000	100,000	78.5 U	76.9 U	78.6 U	81.9 U	460 U	440 U
2,4-Dinitrophenol	130,000	NS	100 U	99.3 U	100 UJ	110 UJ	590 U	560 U
4-Nitrophenol	NS	NS	74.7 U	73.2 U	74.8 U	78 U	430 U	410 U
Dibenzofuran	73,000	14,000	100 U	100 U	100 U	110 U	600 U	580 U
2,4-Dinitrotoluene	130,000	NS	96.2 U	94.3 U	96.4 UJ	100 UJ	560 U	530 U
Diethylphthalate	51,000,000	NS	73.1 U	71.7 U	73.3 U	76.4 U	420 U	410 U
4-Chlorophenyl-phenylether	NS	NS	96.5 U	94.6 U	96.7 U	100 U	560 U	540 U
Fluorene	2,400,000	100,000	58.9 U	57.7 U	59 U	61.5 U	340 U	330 U
4-Nitroaniline	250,000	NS	100 U	99.2 U	100 U	110 U	590 U	560 U
4,6-Dinitro-2-methylphenol	5,100	NS	80.8 U	79.1 UJ	80.9 UJ	84.3 UJ	470 U	450 U
N-Nitrosodiphenylamine	11,000,000	NS	89.5 U	87.7 U	89.6 U	93.4 U	520 U	500 U
4-Bromophenyl-phenylether	NS	NS	65.3 U	63.9 U	65.4 U	68.1 U	380 U	360 U
Hexachlorobenzene	21,000	330	76.9 U	75.4 U	77.1 U	80.3 U	450 U	430 U
Atrazine	240,000	NS	91.9 U	90 U	92 U	95.9 U	530 U	510 U
Pentachlorophenol	100,000	2,400	120 U	120 U	120 U	130 U	720 U	690 U
Phenanthrene	NS	100,000	**720**	**77.9 J**	66.1 U	68.9 U	**3,400**	**6,000**
Anthracene	18,000,000	100,000	**200 J**	63.2 U	64.6 U	67.3 U	**640 J**	**1,000 J**
Carbazole	NS	NS	100 U	100 U	100 U	110 U	600 U	580 U
Di-n-butylphthalate	6,300,000	NS	110 U	110 U	110 U	120 U	660 U	630 U
Fluoranthene	2,400,000	100,000	**1,200**	**160 J**	**82.4 J**	59.7 U	**4,300**	**7,200**
Pyrene	1,800,000	100,000	**2,100**	**300 J**	**160 J**	73.6 U	**6,400**	**10,500**
Butylbenzylphthalate	13,000,000	NS	73.8 U	72.3 UJ	73.9 U	77.1 U	430 U	410 U
3,3-Dichlorobenzidine	120,000	NS	170 U	170 U	170 U	180 U	990 U	950 U
Benzo(a)anthracene	110,000	1,000	**1,200**	**140 J**	43.6 U	45.4 U	**3,200**	**5,100**
Chrysene	11,000,000	1,000	**1,400**	**190 J**	**81.1 J**	51.4 U	**3,300**	**5,900**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	100 U	110 U	110 U	620 U	590 U
Di-n-octyl phthalate	630,000	NS	82.5 U	80.8 UJ	82.6 U	86.1 U	480 U	460 U
Benzo(b)fluoranthene	110,000	1,000	**1,500**	**210 J**	56.4 U	58.7 U	**3,400**	**5,900**
Benzo(k)fluoranthene	1,100,000	1,000	**440**	63.8 U	65.3 U	68 U	**930 J**	**1,300 J**
Benzo(a)pyrene	11,000	1,000	**1,300**	**150 J**	51.4 U	53.6 U	**2,400**	**4,100**
Indeno(1,2,3-cd)pyrene	110,000	500	**910**	**100 J**	83.8 U	87.3 U	**1,400 J**	**2,700**
Dibenzo(a,h)anthracene	11,000	330	**270 J**	59.3 U	60.6 U	63.2 U	350 U	**760 J**
Benzo(g,h,i)perylene	NS	100,000	**1,100**	**160 J**	70.8 U	73.8 U	**1,900 J**	**3,300**
1,2,4,5-Tetrachlorobenzene	23,000	NS	90.5 U	88.7 U	90.6 U	94.5 U	530 U	500 U
1,4-Dioxane	530,000	9,800	140 U	130 U	140 U	140 U	790 U	750 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	48.2 U	47.2 U	48.2 U	50.3 U	280 U	270 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01	P026-SS014-0612-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	120 U	120 U	120 U	170 U	140 U	130 U
Phenol	19,000,000	100,000	80 U	75.1 U	74.5 U	110 U	87.5 U	81.3 U
bis(2-Chloroethyl)ether	23,000	NS	130 U	120 U	120 U	180 U	140 U	130 U
2-Chlorophenol	390,000	NS	84.1 U	79 U	78.3 U	110 U	92 U	85.5 U
2-Methylphenol	3,200,000	100,000	89.7 U	84.1 U	83.4 U	120 U	98 U	91.1 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	110 U	110 U	150 U	120 U	110 U
Acetophenone	7,800,000	NS	120 U	110 U	110 U	160 U	130 U	120 U
3+4-Methylphenols	NS*	NS**	130 U	120 U	120 U	170 U	140 U	130 U
N-Nitroso-di-n-propylamine	7,800	NS	170 U	160 U	160 U	230 U	190 U	180 U
Hexachloroethane	45,000	NS	110 U	100 U	100 U	140 U	120 U	110 U
Nitrobenzene	130,000	NS	55.3 U	51.9 U	51.5 U	73.4 U	60.5 U	56.2 U
Isophorone	13,000,000	NS	46.8 U	43.9 U	43.6 U	62.1 U	51.2 U	47.6 U
2-Nitrophenol	NS	NS	97.4 U	91.4 U	90.7 U	130 U	110 U	99 U
2,4-Dimethylphenol	1,300,000	NS	70.5 U	66.1 U	65.6 U	93.5 U	77 U	71.6 U
Bis(2-Chloroethoxy)methane	190,000	NS	65.7 U	61.6 U	61.1 U	87.2 U	71.8 U	66.7 U
2,4-Dichlorophenol	190,000	NS	65.5 U	61.4 U	60.9 U	86.9 U	71.6 U	66.5 U
Naphthalene	130,000	100,000	**210 J**	**250 J**	**140 J**	84.3 U	69.4 U	64.6 U
4-Chloroaniline	250,000	NS	180 U	160 U	160 U	230 U	190 U	180 U
Hexachlorobutadiene	78,000	NS	77.6 U	72.8 U	72.2 U	100 U	84.8 U	78.8 U
Caprolactam	31,000,000	NS	140 U	130 U	130 U	190 U	160 U	150 U
4-Chloro-3-methylphenol	6,300,000	NS	75.5 U	70.9 U	70.3 U	100 U	82.6 U	76.8 U
2-Methylnaphthalene	240,000	NS	**130 J**	**150 J**	**81.1 J**	100 U	85.8 U	79.8 U
Hexachlorocyclopentadiene	1,800	NS	280 U	270 U	260 U	380 U	310 U	290 U
2,4,6-Trichlorophenol	63,000	NS	77.2 U	72.5 U	71.9 U	100 U	84.4 U	78.5 U
2,4,5-Trichlorophenol	6,300,000	NS	75.5 U	70.9 U	70.3 U	100 U	82.5 U	76.7 U
1,1-Biphenyl	47,000	NS	130 U	120 U	120 U	180 U	150 U	130 U
2-Chloronaphthalene	4,800,000	NS	96.2 U	90.3 U	89.5 U	130 U	110 U	97.8 U
2-Nitroaniline	630,000	NS	88.8 U	83.3 U	82.6 U	120 U	97 U	90.2 U
Dimethylphthalate	NS	NS	**400 J**	**470**	**430**	**670**	**410 J**	**400 J**
Acenaphthylene	NS	100,000	**700**	**690**	**530**	100 U	83.7 U	77.8 U
2,6-Dinitrotoluene	19,000	NS	90.2 U	84.7 U	84 U	120 U	98.6 U	91.7 U
3-Nitroaniline	NS	NS	170 U	150 U	150 U	220 U	180 U	170 U
Acenaphthene	3,600,000	100,000	86.6 U	81.2 U	80.6 U	110 U	94.6 U	88 U
2,4-Dinitrophenol	130,000	NS	110 U	100 U	100 U	150 U	120 U	110 U
4-Nitrophenol	NS	NS	82.4 U	77.4 U	76.7 U	110 U	90.1 U	83.8 U
Dibenzofuran	73,000	14,000	110 U	110 U	110 U	150 U	130 U	120 U
2,4-Dinitrotoluene	130,000	NS	110 U	99.7 U	98.8 U	140 U	120 U	110 U
Diethylphthalate	51,000,000	NS	80.7 U	75.7 U	75.1 U	110 U	88.2 U	82 U
4-Chlorophenyl-phenylether	NS	NS	110 U	100 U	99.1 U	140 U	120 U	110 U
Fluorene	2,400,000	100,000	**100 J**	**89.5 J**	60.5 U	86.3 U	71.1 U	66.1 U
4-Nitroaniline	250,000	NS	110 U	100 U	100 U	150 U	120 U	110 U
4,6-Dinitro-2-methylphenol	5,100	NS	89.1 U	83.6 U	82.9 U	120 U	97.4 U	90.6 U
N-Nitrosodiphenylamine	11,000,000	NS	98.8 U	92.7 U	91.9 U	130 U	110 U	100 U
4-Bromophenyl-phenylether	NS	NS	72 U	67.6 U	67 U	95.6 U	78.7 U	73.2 U
Hexachlorobenzene	21,000	330	84.9 U	79.7 U	79 U	110 U	92.8 U	86.3 U
Atrazine	240,000	NS	100 U	95.1 U	94.4 U	130 U	110 U	100 U
Pentachlorophenol	100,000	2,400	140 U	130 U	130 U	180 U	150 U	140 U
Phenanthrene	NS	100,000	**1,600**	**1,500**	**1,300**	96.7 U	79.6 U	74 U
Anthracene	18,000,000	100,000	**410 J**	**370 J**	**300 J**	94.5 U	77.8 U	72.3 U
Carbazole	NS	NS	110 U	110 U	110 U	150 U	130 U	120 U
Di-n-butylphthalate	6,300,000	NS	130 U	120 U	120 U	170 U	140 U	130 U
Fluoranthene	2,400,000	100,000	**2,300**	**2,100**	**1,800**	83.8 U	69 U	64.2 U
Pyrene	1,800,000	100,000	**4,000**	**3,700**	**3,000**	100 U	85 U	79 U
Butylbenzylphthalate	13,000,000	NS	81.5 U	76.5 U	75.8 U	110 U	89 U	82.8 U
3,3-Dichlorobenzidine	120,000	NS	190 U	180 U	180 U	250 U	210 U	190 U
Benzo(a)anthracene	110,000	1,000	**1,500**	**1,400**	**1,100**	63.7 U	52.5 U	48.8 U
Chrysene	11,000,000	1,000	**1,900**	**1,700**	**1,300**	72.1 U	59.4 U	55.2 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	120 U	110 U	110 U	160 U	130 U	120 U
Di-n-octyl phthalate	630,000	NS	91 U	85.4 U	84.7 U	120 UJ	99.5 U	92.5 U
Benzo(b)fluoranthene	110,000	1,000	**1,700**	**1,600**	**1,300**	82.4 U	67.9 U	63.1 U
Benzo(k)fluoranthene	1,100,000	1,000	**540**	**440**	**310 J**	95.5 U	78.6 U	73.1 U
Benzo(a)pyrene	11,000	1,000	**1,300**	**1,200**	**930**	75.2 U	61.9 U	57.5 U
Indeno(1,2,3-cd)pyrene	110,000	500	**1,000 J**	**920 J**	**680 J**	120 U	100 UJ	93.8 UJ
Dibenzo(a,h)anthracene	11,000	330	**260 J**	**240 J**	**170 J**	88.7 U	73 U	67.9 U
Benzo(g,h,i)perylene	NS	100,000	**1,300**	**1,200**	**920**	100 U	85.3 U	79.3 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	99.9 U	93.7 U	92.9 U	130 U	110 U	100 U
1,4-Dioxane	530,000	9,800	150 U	140 U	140 U	200 U	160 U	150 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	53.1 U	49.9 U	49.5 U	70.5 U	58.1 U	54 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS014-1218-01	P026-SS014-1824-01	P026-SS015-0002-01	P026-SS015-0206-01	P026-SS015-0612-01	P026-SS015-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	120 U	110 U	120 U	110 U	110 U	110 U
Phenol	19,000,000	100,000	76.8 U	69.6 U	74.2 U	68.7 U	69.9 U	69.6 U
bis(2-Chloroethyl)ether	23,000	NS	130 U	110 U	120 U	110 U	120 U	110 U
2-Chlorophenol	390,000	NS	80.7 U	73.2 U	78 U	72.2 U	73.5 U	73.2 U
2-Methylphenol	3,200,000	100,000	86 U	78 U	83.1 U	76.9 U	78.3 U	78 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	110 U	98.3 U	100 U	97 U	98.7 U	98.3 U
Acetophenone	7,800,000	NS	110 U	100 U	110 U	100 U	100 U	100 U
3+4-Methylphenols	NS*	NS**	120 U	110 U	120 U	110 U	110 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	170 U	150 U	160 U	150 U	150 U	150 U
Hexachloroethane	45,000	NS	100 U	93.6 U	99.7 U	92.3 U	93.9 U	93.6 U
Nitrobenzene	130,000	NS	53.1 U	48.1 U	51.3 U	47.5 U	48.3 U	48.1 U
Isophorone	13,000,000	NS	44.9 U	40.7 U	43.4 U	40.1 U	40.9 U	40.7 U
2-Nitrophenol	NS	NS	93.5 UJ	84.7 UJ	90.4 U	83.6 U	85.1 UJ	84.8 UJ
2,4-Dimethylphenol	1,300,000	NS	67.6 U	61.3 U	65.3 U	60.5 U	61.5 U	61.3 U
Bis(2-Chloroethoxy)methane	190,000	NS	63 U	57.1 U	60.9 U	56.3 U	57.3 U	57.1 U
2,4-Dichlorophenol	190,000	NS	62.8 U	56.9 U	60.7 U	56.2 U	57.2 U	56.9 U
Naphthalene	130,000	100,000	61 U	55.3 U	**110 J**	54.5 U	55.5 U	55.3 U
4-Chloroaniline	250,000	NS	170 U	150 U	160 U	150 U	150 U	150 U
Hexachlorobutadiene	78,000	NS	74.4 U	67.5 U	71.9 U	66.5 U	67.7 U	67.5 U
Caprolactam	31,000,000	NS	140 U	120 U	130 U	120 U	130 U	120 U
4-Chloro-3-methylphenol	6,300,000	NS	72.5 U	65.7 U	70 U	64.8 U	66 U	65.7 U
2-Methylnaphthalene	240,000	NS	75.4 U	68.3 U	72.8 U	67.4 U	68.6 U	68.3 U
Hexachlorocyclopentadiene	1,800	NS	270 U	250 U	260 U	240 U	250 U	250 U
2,4,6-Trichlorophenol	63,000	NS	74.1 U	67.1 U	71.6 U	66.2 U	67.4 U	67.2 U
2,4,5-Trichlorophenol	6,300,000	NS	72.5 U	65.7 U	70 U	64.8 U	65.9 U	65.7 U
1,1-Biphenyl	47,000	NS	130 U	120 U	120 U	110 U	120 U	120 U
2-Chloronaphthalene	4,800,000	NS	92.4 U	83.7 U	89.2 U	82.6 U	84 U	83.7 U
2-Nitroaniline	630,000	NS	85.2 U	77.2 U	82.3 U	76.2 U	77.5 U	77.2 U
Dimethylphthalate	NS	NS	**580**	**390**	**310 J**	**320 J**	**450**	**470**
Acenaphthylene	NS	100,000	73.5 U	66.6 U	**300 J**	65.7 U	66.8 U	66.6 U
2,6-Dinitrotoluene	19,000	NS	86.6 U	78.5 U	83.6 U	77.4 U	78.8 U	78.5 U
3-Nitroaniline	NS	NS	160 U	140 U	150 U	140 U	140 U	140 U
Acenaphthene	3,600,000	100,000	83.1 U	75.3 U	80.3 U	74.3 U	75.6 U	75.3 U
2,4-Dinitrophenol	130,000	NS	110 UJ	97.3 UJ	100 U	96 U	97.7 UJ	97.3 UJ
4-Nitrophenol	NS	NS	79.1 U	71.7 U	76.4 U	70.7 U	72 U	71.7 U
Dibenzofuran	73,000	14,000	110 U	99.8 U	110 U	98.4 U	100 U	99.8 U
2,4-Dinitrotoluene	130,000	NS	100 UJ	92.4 UJ	98.5 U	91.1 U	92.7 UJ	92.4 UJ
Diethylphthalate	51,000,000	NS	77.5 U	70.2 U	74.8 U	69.2 U	70.5 U	70.2 U
4-Chlorophenyl-phenylether	NS	NS	100 U	92.6 U	98.8 U	91.4 U	93 U	92.6 U
Fluorene	2,400,000	100,000	62.4 U	56.6 U	60.3 U	55.8 U	56.8 U	56.6 U
4-Nitroaniline	250,000	NS	110 U	97.2 U	100 U	95.9 U	97.6 U	97.2 U
4,6-Dinitro-2-methylphenol	5,100	NS	85.5 UJ	77.5 UJ	82.6 U	76.5 U	77.8 UJ	77.5 UJ
N-Nitrosodiphenylamine	11,000,000	NS	94.8 U	85.9 U	91.6 U	84.7 U	86.2 U	85.9 U
4-Bromophenyl-phenylether	NS	NS	69.1 U	62.6 U	66.8 U	61.8 U	62.9 U	62.6 U
Hexachlorobenzene	21,000	330	81.5 U	73.8 U	78.7 U	72.8 U	74.1 U	73.9 U
Atrazine	240,000	NS	97.3 U	88.2 U	94 U	87 U	88.5 U	88.2 U
Pentachlorophenol	100,000	2,400	130 U	120 U	130 U	120 U	120 U	120 U
Phenanthrene	NS	100,000	69.9 U	63.4 U	**870**	**110 J**	63.6 U	63.4 U
Anthracene	18,000,000	100,000	68.3 U	61.9 U	**160 J**	61.1 U	62.1 U	61.9 U
Carbazole	NS	NS	110 U	99.8 U	110 U	98.4 U	100 U	99.8 U
Di-n-butylphthalate	6,300,000	NS	120 U	110 U	120 U	110 U	110 U	110 U
Fluoranthene	2,400,000	100,000	60.6 U	54.9 U	**1,200**	**210 J**	55.1 U	**94.4 J**
Pyrene	1,800,000	100,000	74.6 U	67.6 U	**2,100**	**380**	67.9 U	**200 J**
Butylbenzylphthalate	13,000,000	NS	78.2 U	70.9 U	75.5 U	69.9 U	71.1 U	70.9 U
3,3-Dichlorobenzidine	120,000	NS	180 U	160 U	180 U	160 U	160 U	160 U
Benzo(a)anthracene	110,000	1,000	46.1 U	41.7 U	**970**	**130 J**	41.9 U	41.8 U
Chrysene	11,000,000	1,000	52.1 U	47.2 U	**1,400**	**190 J**	47.4 U	**89.8 J**
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	100 U	110 U	100 U	100 U	100 U
Di-n-octyl phthalate	630,000	NS	87.4 U	79.2 U	84.4 U	78.1 U	79.5 U	79.2 U
Benzo(b)fluoranthene	110,000	1,000	59.6 U	54 U	**1,400**	**210 J**	54.2 U	**87.4 J**
Benzo(k)fluoranthene	1,100,000	1,000	69 U	62.5 U	**400**	61.7 U	62.8 U	62.5 U
Benzo(a)pyrene	11,000	1,000	54.3 U	49.2 U	**990**	**140 J**	49.4 U	49.2 U
Indeno(1,2,3-cd)pyrene	110,000	500	88.6 U	80.3 U	**760**	**100 J**	80.6 U	80.3 U
Dibenzo(a,h)anthracene	11,000	330	64.1 U	58.1 U	**210 J**	57.3 U	58.3 U	58.1 U
Benzo(g,h,i)perylene	NS	100,000	74.9 U	67.8 U	**870**	**140 J**	68.1 U	67.9 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	95.8 U	86.8 U	92.6 U	85.7 U	87.2 U	86.9 U
1,4-Dioxane	530,000	9,800	140 U	130 U	140 U	130 U	130 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	51 U	46.2 U	49.3 U	45.6 U	46.4 U	46.2 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS015-1824-01	P026-SS015-1824-02	P026-SS016-0002-01	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	110 U	120 U	110 U	120 U	110 U
Phenol	19,000,000	100,000	71.5 U	69.9 U	77.9 U	72.9 U	75.8 U	72.1 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	120 U	130 U	120 U	130 U	120 U
2-Chlorophenol	390,000	NS	75.2 U	73.5 U	81.9 U	76.6 U	79.7 U	75.8 U
2-Methylphenol	3,200,000	100,000	80.1 U	78.3 U	87.3 U	81.7 U	84.9 U	80.7 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	98.8 U	110 U	100 U	110 U	100 U
Acetophenone	7,800,000	NS	110 U	100 U	120 U	110 U	110 U	110 U
3+4-Methylphenols	NS*	NS**	110 U	110 U	120 U	110 U	120 U	110 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	150 U	170 U	160 U	170 U	160 U
Hexachloroethane	45,000	NS	96.1 U	94 U	100 U	98 U	100 U	96.9 U
Nitrobenzene	130,000	NS	49.4 U	48.3 U	53.9 U	50.4 U	52.4 U	49.8 U
Isophorone	13,000,000	NS	41.8 U	40.9 U	45.6 U	42.6 U	44.3 U	42.1 U
2-Nitrophenol	NS	NS	87.1 UJ	85.2 UJ	94.9 U	88.8 U	92.3 U	87.7 U
2,4-Dimethylphenol	1,300,000	NS	63 U	61.6 U	68.6 U	64.2 U	66.8 U	63.5 U
Bis(2-Chloroethoxy)methane	190,000	NS	58.7 U	57.4 U	64 U	59.8 U	62.2 U	59.1 U
2,4-Dichlorophenol	190,000	NS	58.5 U	57.2 U	63.8 U	59.6 U	62 U	59 U
Naphthalene	130,000	100,000	56.8 U	55.5 U	61.9 U	57.9 U	60.2 U	57.2 U
4-Chloroaniline	250,000	NS	160 U	150 U	170 U	160 U	170 U	160 U
Hexachlorobutadiene	78,000	NS	69.3 U	67.8 U	75.5 U	70.6 U	73.5 U	69.8 U
Caprolactam	31,000,000	NS	130 U	130 U	140 U	130 U	140 U	130 U
4-Chloro-3-methylphenol	6,300,000	NS	67.5 U	66 U	73.6 U	68.8 U	71.6 U	68 U
2-Methylnaphthalene	240,000	NS	70.2 U	68.6 U	76.5 U	71.5 U	74.4 U	70.7 U
Hexachlorocyclopentadiene	1,800	NS	250 U	250 U	280 U	260 U	270 U	250 U
2,4,6-Trichlorophenol	63,000	NS	69 U	67.5 U	75.2 U	70.3 U	73.1 U	69.5 U
2,4,5-Trichlorophenol	6,300,000	NS	67.5 U	66 U	73.5 U	68.8 U	71.5 U	68 U
1,1-Biphenyl	47,000	NS	120 U	120 U	130 U	120 U	130 U	120 U
2-Chloronaphthalene	4,800,000	NS	86 U	84.1 U	93.7 U	87.7 U	91.2 U	86.7 U
2-Nitroaniline	630,000	NS	79.3 U	77.6 U	86.4 U	80.9 U	84.1 U	79.9 U
Dimethylphthalate	NS	NS	**370 J**	**380**	**540**	**570**	**610**	**490**
Acenaphthylene	NS	100,000	68.4 U	66.9 U	**230 J**	**180 J**	**100 J**	68.9 U
2,6-Dinitrotoluene	19,000	NS	80.6 U	78.8 U	87.9 U	82.2 U	85.5 U	81.2 U
3-Nitroaniline	NS	NS	150 U	140 U	160 U	150 U	160 U	150 U
Acenaphthene	3,600,000	100,000	77.4 U	75.7 U	84.3 U	78.9 U	82 U	78 U
2,4-Dinitrophenol	130,000	NS	100 UJ	97.8 UJ	110 U	100 U	110 U	100 U
4-Nitrophenol	NS	NS	73.7 U	72 U	80.3 U	75.1 U	78.1 U	74.2 U
Dibenzofuran	73,000	14,000	100 U	100 U	110 U	100 U	110 U	100 U
2,4-Dinitrotoluene	130,000	NS	94.9 UJ	92.8 UJ	100 U	96.7 U	100 U	95.6 U
Diethylphthalate	51,000,000	NS	72.1 U	70.5 U	78.6 U	73.5 U	76.5 U	72.7 U
4-Chlorophenyl-phenylether	NS	NS	95.2 U	93.1 U	100 U	97 U	100 U	95.9 U
Fluorene	2,400,000	100,000	58.1 U	56.8 U	63.3 U	59.2 U	61.6 U	58.6 U
4-Nitroaniline	250,000	NS	99.9 U	97.7 U	110 U	100 U	110 U	100 U
4,6-Dinitro-2-methylphenol	5,100	NS	79.6 UJ	77.9 UJ	86.8 U	81.2 U	84.4 U	80.2 U
N-Nitrosodiphenylamine	11,000,000	NS	88.3 U	86.3 U	96.2 U	89.9 U	93.6 U	88.9 U
4-Bromophenyl-phenylether	NS	NS	64.4 U	62.9 U	70.1 U	65.6 U	68.2 U	64.8 U
Hexachlorobenzene	21,000	330	75.9 U	74.2 U	82.7 U	77.3 U	80.4 U	76.5 U
Atrazine	240,000	NS	90.6 U	88.6 U	98.7 U	92.4 U	96 U	91.3 U
Pentachlorophenol	100,000	2,400	120 U	120 U	130 U	120 U	130 U	120 U
Phenanthrene	NS	100,000	65.1 U	63.7 U	**550**	**920**	**150 J**	65.6 U
Anthracene	18,000,000	100,000	63.6 U	62.2 U	**100 J**	**81.8 J**	67.4 U	64.1 U
Carbazole	NS	NS	100 U	100 U	110 U	100 U	110 U	100 U
Di-n-butylphthalate	6,300,000	NS	110 U	110 U	120 U	110 U	120 U	110 U
Fluoranthene	2,400,000	100,000	56.4 U	55.2 U	**970**	**960**	**340 J**	56.9 U
Pyrene	1,800,000	100,000	69.5 U	67.9 U	**1,700**	**1,600**	**580**	70 U
Butylbenzylphthalate	13,000,000	NS	72.8 U	71.2 U	79.3 U	74.2 U	77.2 U	73.4 U
3,3-Dichlorobenzidine	120,000	NS	170 U	170 U	180 U	170 U	180 U	170 U
Benzo(a)anthracene	110,000	1,000	42.9 U	42 U	**850**	**680**	**250 J**	43.2 U
Chrysene	11,000,000	1,000	48.5 U	47.5 U	**1,100**	**920**	**350 J**	48.9 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	100 U	110 U	110 U	110 U	110 U
Di-n-octyl phthalate	630,000	NS	81.3 U	79.5 U	88.6 U	82.9 U	86.2 U	82 U
Benzo(b)fluoranthene	110,000	1,000	55.5 U	54.3 U	**1,000**	**830**	**310 J**	55.9 U
Benzo(k)fluoranthene	1,100,000	1,000	64.3 U	62.8 U	**400 J**	**230 J**	**110 J**	64.8 U
Benzo(a)pyrene	11,000	1,000	50.6 U	49.5 U	**900**	**670**	**270 J**	51 U
Indeno(1,2,3-cd)pyrene	110,000	500	82.5 U	80.7 U	**600**	**450**	**180 J**	83.1 UJ
Dibenzo(a,h)anthracene	11,000	330	59.7 U	58.4 U	**170 J**	**120 J**	63.3 U	60.1 U
Benzo(g,h,i)perylene	NS	100,000	69.7 U	68.2 U	**700**	**520**	**230 J**	70.2 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	89.2 U	87.3 U	97.2 U	91 U	94.6 U	89.9 U
1,4-Dioxane	530,000	9,800	130 U	130 U	150 U	140 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	47.5 U	46.4 U	51.8 U	48.4 U	50.3 U	47.9 U

Notes:

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TCL - Target Compound List

SVOC - Semivolatile Organic Compound

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U - Not detected

NS - Not Specified

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[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS016-1824-01	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC (µg/kg)								
Benzaldehyde	7,800,000	NS	110 U	200 U	130 U	140 U	120 U	130 U
Phenol	19,000,000	100,000	73.5 U	130 U	84 U	87.1 U	79.6 U	82.8 U
bis(2-Chloroethyl)ether	23,000	NS	120 U	210 U	140 U	140 U	130 U	140 U
2-Chlorophenol	390,000	NS	77.3 U	130 U	88.4 U	91.6 U	83.7 U	87.1 U
2-Methylphenol	3,200,000	100,000	82.4 U	140 U	94.2 U	97.6 U	89.2 U	92.8 U
2,2-oxybis(1-Chloropropane)	3,100,000	NS	100 U	180 U	120 U	120 U	110 U	120 U
Acetophenone	7,800,000	NS	110 U	190 U	120 U	130 U	120 U	120 U
3+4-Methylphenols	NS*	NS**	120 U	200 U	130 U	140 U	120 U	130 U
N-Nitroso-di-n-propylamine	7,800	NS	160 U	280 U	180 U	190 U	170 U	180 U
Hexachloroethane	45,000	NS	98.8 U	170 U	110 U	120 U	110 U	110 U
Nitrobenzene	130,000	NS	50.8 U	88.4 U	58.1 U	60.2 U	55 U	57.3 U
Isophorone	13,000,000	NS	43 U	74.8 U	49.2 U	51 U	46.6 U	48.5 U
2-Nitrophenol	NS	NS	89.5 U	160 UJ	100 UJ	110 UJ	96.9 UJ	100 UJ
2,4-Dimethylphenol	1,300,000	NS	64.7 U	110 U	74 U	76.7 U	70.1 U	73 U
Bis(2-Chloroethoxy)methane	190,000	NS	60.3 U	100 U	69 U	71.5 U	65.3 U	68 U
2,4-Dichlorophenol	190,000	NS	60.2 U	100 U	68.8 U	71.3 U	65.1 U	67.8 U
Naphthalene	130,000	100,000	58.4 U	100 U	66.7 U	69.2 U	63.2 U	65.8 U
4-Chloroaniline	250,000	NS	160 U	280 U	180 U	190 U	170 U	180 U
Hexachlorobutadiene	78,000	NS	71.3 U	120 U	81.5 U	84.5 U	77.2 U	80.3 U
Caprolactam	31,000,000	NS	130 U	230 UJ	150 UJ	160 U	140 U	150 U
4-Chloro-3-methylphenol	6,300,000	NS	69.4 U	120 U	79.3 U	82.3 U	75.1 U	78.2 U
2-Methylnaphthalene	240,000	NS	72.1 U	130 U	82.5 U	85.5 U	78.1 U	81.3 U
Hexachlorocyclopentadiene	1,800	NS	260 U	450 U	300 U	310 U	280 U	290 U
2,4,6-Trichlorophenol	63,000	NS	70.9 U	120 U	81.1 U	84.1 U	76.8 U	79.9 U
2,4,5-Trichlorophenol	6,300,000	NS	69.4 U	120 U	79.3 U	82.2 U	75.1 U	78.2 U
1,1-Biphenyl	47,000	NS	120 U	210 U	140 U	140 U	130 U	140 U
2-Chloronaphthalene	4,800,000	NS	88.4 U	150 U	100 U	100 U	95.7 U	99.6 U
2-Nitroaniline	630,000	NS	81.6 U	140 U	93.2 U	96.7 U	88.3 U	91.9 U
Dimethylphthalate	NS	NS	**500**	**640 J**	**370 J**	**400 J**	**390 J**	**420 J**
Acenaphthylene	NS	100,000	70.3 U	120 U	80.4 U	83.4 U	76.1 U	79.2 U
2,6-Dinitrotoluene	19,000	NS	82.9 U	140 U	94.7 U	98.2 U	89.7 U	93.4 U
3-Nitroaniline	NS	NS	150 U	260 U	170 U	180 U	160 U	170 U
Acenaphthene	3,600,000	100,000	79.5 U	140 U	90.9 U	94.3 U	86.1 U	89.6 U
2,4-Dinitrophenol	130,000	NS	100 U	180 U	120 U	120 U	110 U	120 U
4-Nitrophenol	NS	NS	75.7 U	130 U	86.6 U	89.8 U	82 U	85.4 U
Dibenzofuran	73,000	14,000	110 U	180 U	120 U	120 U	110 U	120 U
2,4-Dinitrotoluene	130,000	NS	97.6 U	170 U	110 U	120 U	110 U	110 U
Diethylphthalate	51,000,000	NS	74.2 U	130 U	84.8 U	87.9 U	80.3 U	83.6 U
4-Chlorophenyl-phenylether	NS	NS	97.9 U	170 U	110 U	120 U	110 U	110 U
Fluorene	2,400,000	100,000	59.8 U	100 U	68.3 U	70.8 U	64.7 U	67.3 U
4-Nitroaniline	250,000	NS	100 U	180 U	120 U	120 U	110 U	120 U
4,6-Dinitro-2-methylphenol	5,100	NS	81.9 U	140 UJ	93.6 UJ	97 U	88.7 U	92.3 U
N-Nitrosodiphenylamine	11,000,000	NS	90.7 U	160 U	100 U	110 U	98.2 U	100 U
4-Bromophenyl-phenylether	NS	NS	66.2 U	120 U	75.6 U	78.4 U	71.6 U	74.5 U
Hexachlorobenzene	21,000	330	78 U	140 U	89.2 U	92.5 U	84.5 U	87.9 U
Atrazine	240,000	NS	93.2 U	160 U	110 U	110 U	100 U	100 U
Pentachlorophenol	100,000	2,400	130 U	220 U	140 U	150 U	140 U	140 U
Phenanthrene	NS	100,000	**78.5 J**	120 U	76.5 U	79.3 U	72.5 U	75.4 U
Anthracene	18,000,000	100,000	65.4 U	110 U	74.7 U	77.5 U	70.8 U	73.7 U
Carbazole	NS	NS	110 U	180 U	120 U	120 U	110 U	120 U
Di-n-butylphthalate	6,300,000	NS	120 U	200 U	130 U	140 U	130 U	130 U
Fluoranthene	2,400,000	100,000	**120 J**	100 U	66.3 U	68.8 U	62.8 U	65.4 U
Pyrene	1,800,000	100,000	**210 J**	120 U	81.7 U	84.7 U	77.3 U	80.5 U
Butylbenzylphthalate	13,000,000	NS	74.9 U	130 UJ	85.6 UJ	88.7 U	81 U	84.3 U
3,3-Dichlorobenzidine	120,000	NS	170 U	300 U	200 U	210 U	190 U	200 U
Benzo(a)anthracene	110,000	1,000	**85.1 J**	76.7 U	50.4 U	52.3 U	47.8 U	49.7 U
Chrysene	11,000,000	1,000	**100 J**	86.8 U	57 U	59.1 U	54 U	56.2 U
Bis(2-ethylhexyl)phthalate	1,300,000	NS	110 U	190 U	120 U	130 U	120 U	120 U
Di-n-octyl phthalate	630,000	NS	83.6 U	150 UJ	95.6 UJ	99.1 U	90.5 U	94.2 U
Benzo(b)fluoranthene	110,000	1,000	**79.3 J**	99.3 U	65.2 U	67.6 U	61.8 U	64.3 U
Benzo(k)fluoranthene	1,100,000	1,000	66.1 U	110 U	75.5 U	78.3 U	71.5 U	74.4 U
Benzo(a)pyrene	11,000	1,000	**79.4 J**	90.5 U	59.5 U	61.6 U	56.3 U	58.6 U
Indeno(1,2,3-cd)pyrene	110,000	500	84.8 UJ	150 U	97 U	100 U	91.8 U	95.6 U
Dibenzo(a,h)anthracene	11,000	330	61.4 U	110 U	70.1 U	72.7 U	66.4 U	69.1 U
Benzo(g,h,i)perylene	NS	100,000	71.7 U	120 U	81.9 U	84.9 U	77.6 U	80.8 U
1,2,4,5-Tetrachlorobenzene	23,000	NS	91.7 U	160 U	100 U	110 U	99.3 U	100 U
1,4-Dioxane	530,000	9,800	140 U	240 U	160 U	160 U	150 U	150 U
2,3,4,6-Tetrachlorophenol	1,900,000	NS	48.8 U	84.9 U	55.8 U	57.9 U	52.9 U	55 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2B: Validated Soil Analytical Results Summary Table - TCL SVOCs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number			**RB-190506**	**RB-190507**	**RB-190508**
Sampling Date			**5/6/2019**	**5/7/2019**	**5/8/2019**
Sample Depth (Inches)			**NA**	**NA**	**NA**
Sample Matrix			**Deionized Water**	**Deionized Water**	**Deionized Water**
TCL SVOC (µg/L)					
Benzaldehyde			2.9 U	2.9 U	2.9 U
Phenol			2.2 U	2.2 U	2.2 U
bis(2-Chloroethyl)ether			3.4 U	3.4 U	3.4 U
2-Chlorophenol			2.5 U	2.5 U	2.5 U
2-Methylphenol			2.8 U	2.8 U	2.8 U
2,2-oxybis(1-Chloropropane)			3 U	3 U	3 U
Acetophenone			3.2 U	3.2 U	3.2 U
3+4-Methylphenols			3.4 U	3.4 U	3.4 U
N-Nitroso-di-n-propylamine			4.7 U	4.7 U	4.7 U
Hexachloroethane			2.9 U	2.9 U	2.9 U
Nitrobenzene			2.6 U	2.6 U	2.6 U
Isophorone			2.2 U	2.2 U	2.2 U
2-Nitrophenol			3.6 U	3.6 U	3.6 U
2,4-Dimethylphenol			2.8 U	2.8 U	2.8 U
Bis(2-Chloroethoxy)methane			2.5 U	2.5 U	2.5 U
2,4-Dichlorophenol			2.3 U	2.3 U	2.3 U
Naphthalene			2.5 U	2.5 U	2.5 U
4-Chloroaniline			4.5 U	4.5 U	4.5 U
Hexachlorobutadiene			3.2 U	3.2 U	3.2 U
Caprolactam			3.4 U	3.4 U	3.4 U
4-Chloro-3-methylphenol			2.5 U	2.5 U	2.5 U
2-Methylnaphthalene			2.5 U	2.5 U	2.5 U
Hexachlorocyclopentadiene			7.6 U	7.6 U	7.6 U
2,4,6-Trichlorophenol			2.8 U	2.8 U	2.8 U
2,4,5-Trichlorophenol			2.8 U	2.8 U	2.8 U
1,1-Biphenyl			3.3 U	3.3 U	3.3 U
2-Chloronaphthalene			3 U	3 U	3 U
2-Nitroaniline			3.1 U	3.1 U	3.1 U
Dimethylphthalate			2.7 U	2.7 U	2.7 U
Acenaphthylene			2.7 U	2.7 U	2.7 U
2,6-Dinitrotoluene			3.1 U	3.1 U	3.1 U
3-Nitroaniline			4.2 U	4.2 U	4.2 U
Acenaphthene			2.8 U	2.8 U	2.8 U
2,4-Dinitrophenol			4.2 U	4.2 U	4.2 U
4-Nitrophenol			3.4 U	3.4 U	3.4 U
Dibenzofuran			3.2 U	3.2 U	3.2 U
2,4-Dinitrotoluene			3.1 U	3.1 U	3.1 U
Diethylphthalate			2.9 U	2.9 U	2.9 U
4-Chlorophenyl-phenylether			3.3 U	3.3 U	3.3 U
Fluorene			2.5 U	2.5 U	2.5 U
4-Nitroaniline			3.4 U	3.4 U	3.4 U
4,6-Dinitro-2-methylphenol			3.5 U	3.5 U	3.5 U
N-Nitrosodiphenylamine			2.9 U	2.9 U	2.9 U
4-Bromophenyl-phenylether			2.6 U	2.6 U	2.6 U
Hexachlorobenzene			2.7 U	2.7 U	2.7 U
Atrazine			2.9 U	2.9 U	2.9 U
Pentachlorophenol			4.3 U	4.3 U	4.3 U
Phenanthrene			2.5 U	2.5 U	2.5 U
Anthracene			2.5 U	2.5 U	2.5 U
Carbazole			3.2 U	3.2 U	3.2 U
Di-n-butylphthalate			3.7 U	3.7 U	3.7 U
Fluoranthene			2.9 U	2.9 U	2.9 U
Pyrene			2.5 U	2.5 U	2.5 U
Butylbenzylphthalate			3.1 U	3.1 U	3.1 U
3,3-Dichlorobenzidine			5 U	5 U	5 U
Benzo(a)anthracene			2.3 U	2.3 U	2.3 U
Chrysene			2.4 U	2.4 U	2.4 U
Bis(2-ethylhexyl)phthalate			3.6 U	3.6 U	3.6 U
Di-n-octyl phthalate			3.3 U	3.3 U	3.3 U
Benzo(b)fluoranthene			2.3 U	2.3 U	2.3 U
Benzo(k)fluoranthene			2.3 U	2.3 U	2.3 U
Benzo(a)pyrene			2.4 U	2.4 U	2.4 U
Indeno(1,2,3-cd)pyrene			3.3 U	3.3 U	3.3 U
Dibenzo(a,h)anthracene			2.6 U	2.6 U	2.6 U
Benzo(g,h,i)perylene			2.6 U	2.6 U	2.6 U
1,2,4,5-Tetrachlorobenzene			3.1 U	3.1 U	3.1 U
1,4-Dioxane			3.6 U	3.6 U	3.6 U
2,3,4,6-Tetrachlorophenol			2.6 U	2.6 U	2.6 U

Notes:

START V - Superfund Technical Assessment & Response Team V

TCL - Target Compound List

SVOC - Semivolatile Organic Compound

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*No specified EPA RML for 3+4-methylphenols; EPA RMLs are 3,200,000 µg/kg for 3-methylphenol and 6,300,000 µg/kg for 4-methylphenol

**No specified NYSDEC RUSCO for 3+4-methylphenols; NYSDEC RUSCOs are 100,000 µg/kg for 3-methylphenol and 34,000 µg/kg for 4-methylphenol

Bold result values are detections

Result values highlighted in yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P021-SS001-0002-01	P021-SS001-0002-02	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01	P021-SS001-1824-01	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			0-2	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.5 U	2.5 UJ	2.4 UJ	2.4 U	2.3 U	2.4 U	2.3 U	2.4 UJ	2.3 U	2.4 U
Aroclor-1221	20,000	1,000	8.4 U	8.3 UJ	8.1 UJ	8 U	7.8 U	7.9 U	7.7 U	8 UJ	7.6 U	8.1 U
Aroclor-1232	17,000	1,000	8.1 U	8 UJ	7.8 UJ	7.7 U	7.6 U	7.7 U	7.4 U	7.8 UJ	7.4 U	7.8 U
Aroclor-1242	23,000	1,000	7.3 U	7.2 UJ	7.1 UJ	7 U	6.8 U	6.9 U	6.7 U	7.1 UJ	6.6 U	7.1 U
Aroclor-1248	23,000	1,000	6.9 U	6.8 UJ	6.6 UJ	6.5 U	6.4 U	6.5 U	6.3 U	6.6 UJ	6.2 U	6.6 U
Aroclor-1254	1,200	1,000	8 U	7.9 UJ	7.7 UJ	7.6 U	7.5 U	7.6 U	7.3 U	7.7 UJ	7.3 U	7.7 U
Aroclor-1260	24,000	1,000	**150**	**160 J**	**220 J**	**360**	**600**	**320**	**250**	**54.7 J**	**120**	**58.7**
Aroclor-1262	NS	1,000	6.2 U	6.1 UJ	6 UJ	5.9 U	5.8 U	5.9 U	5.7 U	6 UJ	5.6 U	6 U
Aroclor-1268	NS	1,000	5.3 U	5.2 UJ	5.1 UJ	5.1 U	5 U	5 U	4.9 U	5.1 UJ	4.8 U	5.1 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P021-SS002-1824-01	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01	P021-SS004-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.5 UJ	2.6 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.4 U	2.6 UJ	2.4 UJ	2.3 UJ	2.3 U
Aroclor-1221	20,000	1,000	8.4 UJ	8.7 UJ	8.4 UJ	8.5 UJ	8.3 UJ	8.2 U	8.8 UJ	8.2 UJ	7.7 UJ	7.7 U
Aroclor-1232	17,000	1,000	8.2 UJ	8.5 UJ	8.2 UJ	8.3 UJ	8.1 UJ	8 U	8.5 UJ	8 UJ	7.4 UJ	7.5 U
Aroclor-1242	23,000	1,000	7.4 UJ	7.7 UJ	7.4 UJ	7.5 UJ	7.3 UJ	7.2 U	7.7 UJ	7.2 UJ	6.7 UJ	6.8 U
Aroclor-1248	23,000	1,000	6.9 UJ	7.1 UJ	6.9 UJ	7 UJ	6.8 UJ	6.7 U	7.2 UJ	6.7 UJ	6.3 UJ	6.3 U
Aroclor-1254	1,200	1,000	8.1 UJ	8.4 UJ	8.1 UJ	8.2 UJ	8 UJ	7.9 U	8.4 UJ	7.9 UJ	7.3 UJ	7.4 U
Aroclor-1260	24,000	1,000	**30 J**	6 UJ	5.8 UJ	5.9 UJ	5.7 UJ	5.6 U	6 UJ	5.6 UJ	5.3 UJ	5.3 U
Aroclor-1262	NS	1,000	6.2 UJ	6.5 UJ	6.3 UJ	6.3 UJ	6.2 UJ	6.1 U	6.5 UJ	6.1 UJ	5.7 UJ	5.7 U
Aroclor-1268	NS	1,000	5.3 UJ	5.5 UJ	5.3 UJ	5.4 UJ	5.3 UJ	5.2 U	5.6 UJ	5.2 UJ	4.9 UJ	4.9 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01	P021-SS006-1218-01
Sampling Date			5/7/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.3 U	2.6 UJ	2.4 UJ	2.2 UJ	2.2 U	2.1 U	2.7 UJ	2.4 UJ	2.2 UJ	2.2 U
Aroclor-1221	20,000	1,000	7.7 U	8.7 UJ	8 UJ	7.4 UJ	7.3 U	7.1 U	9 UJ	7.9 UJ	7.2 UJ	7.3 U
Aroclor-1232	17,000	1,000	7.5 U	8.4 UJ	7.8 UJ	7.2 UJ	7.1 U	6.9 U	8.7 UJ	7.7 UJ	7 UJ	7.1 U
Aroclor-1242	23,000	1,000	6.7 U	7.6 UJ	7 UJ	6.5 UJ	6.4 U	6.2 U	7.9 UJ	7 UJ	6.3 UJ	6.4 U
Aroclor-1248	23,000	1,000	6.3 U	7.1 UJ	6.5 UJ	6.1 UJ	6 U	5.8 U	7.4 UJ	6.5 UJ	5.9 UJ	6 U
Aroclor-1254	1,200	1,000	7.4 U	8.3 UJ	7.7 UJ	7.1 UJ	7 U	6.8 U	8.6 UJ	7.6 UJ	6.9 UJ	7 U
Aroclor-1260	24,000	1,000	5.3 U	6 UJ	5.5 UJ	5.1 UJ	5 U	4.9 U	6.2 UJ	5.4 UJ	5 UJ	5 U
Aroclor-1262	NS	1,000	5.7 U	6.4 UJ	5.9 UJ	5.5 UJ	5.4 U	5.3 U	6.7 UJ	5.9 UJ	5.4 UJ	5.4 U
Aroclor-1268	NS	1,000	4.9 U	5.5 UJ	5.1 UJ	4.7 UJ	4.6 U	4.5 U	5.7 UJ	5 UJ	4.6 UJ	4.6 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01	P021-SS007-1218-01	P021-SS007-1824-01	P021-SS008-0002-01	P021-SS008-0206-01	P021-SS008-0206-02	P021-SS008-0612-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.1 U	2.6 U	2.6 U	2.4 U	2.4 U	2.2 U	2.7 U	2.4 UJ	2.3 UJ	2.3 U
Aroclor-1221	20,000	1,000	7.2 U	8.6 U	8.8 U	8.2 U	8 U	7.4 U	9.1 U	8.2 UJ	7.8 UJ	7.7 U
Aroclor-1232	17,000	1,000	7 U	8.3 U	8.5 U	7.9 U	7.8 U	7.2 U	8.9 U	8 UJ	7.6 UJ	7.5 U
Aroclor-1242	23,000	1,000	6.3 U	7.5 U	7.7 U	7.2 U	7 U	6.5 U	8 U	7.2 UJ	6.9 UJ	6.7 U
Aroclor-1248	23,000	1,000	5.9 U	7 U	7.2 U	6.7 U	6.6 U	6.1 U	7.5 U	6.7 UJ	6.4 UJ	6.3 U
Aroclor-1254	1,200	1,000	6.9 U	8.2 U	8.4 U	7.8 U	7.7 U	7.1 U	8.8 U	7.9 UJ	7.5 UJ	7.4 U
Aroclor-1260	24,000	1,000	4.9 U	5.9 U	6 U	5.6 U	5.5 U	5.1 U	**22 J**	5.6 UJ	5.4 UJ	5.3 U
Aroclor-1262	NS	1,000	5.3 U	6.4 U	6.5 U	6.1 U	6 U	5.5 U	6.8 U	6.1 UJ	5.8 UJ	5.7 U
Aroclor-1268	NS	1,000	4.6 U	5.5 U	5.6 U	5.2 U	5.1 U	4.7 U	5.8 U	5.2 UJ	5 UJ	4.9 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P021-SS008-1218-01	P021-SS008-1824-01	P021-SS009-0002-01	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01	P026-SS001-0002-01	P026-SS001-0206-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	0-2	2-6	6-12	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.3 U	2.4 U	3 UJ	2.5 UJ	2.5 UJ	2.5 U	2.3 U	2.3 U	2.3 U	2.2 U
Aroclor-1221	20,000	1,000	7.6 U	7.9 U	10 UJ	8.4 UJ	8.4 UJ	8.4 U	7.9 U	7.6 U	7.9 U	7.5 U
Aroclor-1232	17,000	1,000	7.4 U	7.7 U	9.7 UJ	8.2 UJ	8.2 UJ	8.2 U	7.6 U	7.4 U	7.6 U	7.2 U
Aroclor-1242	23,000	1,000	6.7 U	6.9 U	8.7 UJ	7.4 UJ	7.4 UJ	7.4 U	6.9 U	6.7 U	6.9 U	6.5 U
Aroclor-1248	23,000	1,000	6.3 U	6.5 U	**44.8 J**	**32.9 J**	**26.8 J**	**26.4**	**1,400**	**12.7 J**	**79.7 J**	**34.2 J**
Aroclor-1254	1,200	1,000	7.3 U	7.6 U	9.6 UJ	8.1 UJ	8.1 UJ	8.1 U	7.5 U	7.3 U	**85**	**26.8**
Aroclor-1260	24,000	1,000	5.2 U	5.4 U	**190 J**	**190 J**	**120 J**	**140**	**5,000**	**27.9**	5.4 U	5.1 U
Aroclor-1262	NS	1,000	5.7 U	5.9 U	7.4 UJ	6.3 UJ	6.2 UJ	6.3 U	5.8 U	5.7 U	5.9 U	5.5 U
Aroclor-1268	NS	1,000	4.8 U	5 U	6.3 UJ	5.3 UJ	5.3 UJ	5.4 U	5 U	4.8 U	5 U	4.7 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01	P026-SS002-1218-02	P026-SS002-1824-01	P026-SS003-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12	12-18	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.2 U	2.2 U	2.3 U	2.8 UJ	2.6 UJ	2.5 UJ	2.5 U	2.5 UJ	2.4 U	2.9 UJ
Aroclor-1221	20,000	1,000	7.3 U	7.5 U	7.6 U	9.3 UJ	8.7 UJ	8.4 UJ	8.3 U	8.3 UJ	8 U	9.6 UJ
Aroclor-1232	17,000	1,000	7.1 U	7.3 U	7.4 U	9 UJ	8.4 UJ	8.1 UJ	8.1 U	8.1 UJ	7.7 U	9.3 UJ
Aroclor-1242	23,000	1,000	6.4 U	6.6 U	6.6 U	8.2 UJ	7.6 UJ	7.3 UJ	7.3 U	7.3 UJ	7 U	8.4 UJ
Aroclor-1248	23,000	1,000	6 U	6.1 U	6.2 U	**81.2 J**	**110 J**	**180 J**	6.8 UJ	**13.6 J**	**20.2**	7.8 UJ
Aroclor-1254	1,200	1,000	7 U	7.2 U	7.3 U	**110 J**	**100 J**	**160 J**	8 UJ	**23.7 J**	**39.8**	9.2 UJ
Aroclor-1260	24,000	1,000	5 U	5.1 U	5.2 U	**77.6 J**	**79.2 J**	**69.2 J**	**21.9**	**29.8 J**	**40.5**	**230 J**
Aroclor-1262	NS	1,000	5.4 U	5.6 U	5.6 U	6.9 UJ	6.4 UJ	6.2 UJ	6.2 U	6.2 UJ	5.9 U	7.1 UJ
Aroclor-1268	NS	1,000	4.6 U	4.8 U	4.8 U	5.9 UJ	5.5 UJ	5.3 UJ	5.3 U	5.3 UJ	5 U	6.1 UJ

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS003-0206-01	P026-SS003-0612-01	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01	P026-SS004-0612-01	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.6 UJ	2.6 UJ	2.6 U	2.6 U	2.4 U	2.2 U	2.2 U	2.3 U	2.3 U	2.5 U
Aroclor-1221	20,000	1,000	8.7 UJ	8.8 UJ	8.8 U	8.7 U	8.1 U	7.4 U	7.2 U	7.6 U	7.7 U	8.4 U
Aroclor-1232	17,000	1,000	8.4 UJ	8.6 UJ	8.5 U	8.4 U	7.8 U	7.2 U	7 U	7.4 U	7.4 U	8.2 U
Aroclor-1242	23,000	1,000	7.6 UJ	7.7 UJ	7.7 U	7.6 U	7.1 U	6.5 U	6.3 U	6.6 U	6.7 U	7.4 U
Aroclor-1248	23,000	1,000	7.1 UJ	7.2 UJ	7.2 U	7.1 U	**20.9**	18.8 U	5.9 U	6.2 U	6.3 U	**87.5**
Aroclor-1254	1,200	1,000	8.3 UJ	8.5 UJ	8.4 U	8.3 U	**31.8**	**16.3 J**	6.9 U	7.3 U	7.3 U	**140**
Aroclor-1260	24,000	1,000	**290 J**	**190 J**	**57.1**	**11.8 J**	**27 J**	**14.1 J**	5 U	5.2 U	5.3 U	**120**
Aroclor-1262	NS	1,000	6.5 UJ	6.6 UJ	6.5 U	6.5 U	6 U	5.5 U	5.4 U	5.6 U	5.7 U	6.3 U
Aroclor-1268	NS	1,000	5.5 UJ	5.6 UJ	5.6 U	5.5 U	5.1 U	4.7 U	4.6 U	4.8 U	4.9 U	5.3 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS005-0206-01	P026-SS005-0612-01	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02	P026-SS006-0206-01	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.3 UJ	2.4 U	2.3 U	2.4 U	2.6 UJ	2.5 UJ	2.2 U	2.1 U	2.2 U	2.3 U
Aroclor-1221	20,000	1,000	7.9 UJ	8.1 U	7.8 U	8 U	8.8 UJ	8.3 UJ	7.4 U	7.2 U	7.5 U	7.6 U
Aroclor-1232	17,000	1,000	7.6 UJ	7.9 U	7.6 U	7.8 U	8.6 UJ	8 UJ	7.1 U	6.9 U	7.2 U	7.4 U
Aroclor-1242	23,000	1,000	6.9 UJ	7.1 U	6.9 U	7 U	7.7 UJ	7.3 UJ	6.5 U	6.3 U	6.5 U	6.7 U
Aroclor-1248	23,000	1,000	**35.9 J**	6.7 U	6.4 U	6.6 U	7.2 UJ	6.8 UJ	6 U	5.9 U	6.1 U	6.2 U
Aroclor-1254	1,200	1,000	**59.9 J**	7.8 U	7.5 U	7.7 U	8.5 UJ	7.9 UJ	**22.1**	**14.2 J**	**21.7**	**17.3 J**
Aroclor-1260	24,000	1,000	**70.7 J**	**120**	**59.6 J**	**51.8**	**1,500 J**	**1,700 J**	**42.5**	**21.1**	**36.8**	**28.2**
Aroclor-1262	NS	1,000	5.9 UJ	6 U	5.8 U	6 U	6.6 UJ	6.2 UJ	5.5 U	5.3 U	5.5 U	5.7 U
Aroclor-1268	NS	1,000	5 UJ	5.2 U	5 U	5.1 U	5.6 UJ	5.3 UJ	4.7 U	4.5 U	4.7 U	4.8 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS007-0002-01	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01	P026-SS008-0206-01	P026-SS008-0206-02	P026-SS008-0612-01	P026-SS008-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2	2-6	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.5 UJ	2.5 UJ	2.5 U	2.4 UJ	2.4 U	4.1 U	4.7 U	4.4 UJ	2.5 U	2.3 U
Aroclor-1221	20,000	1,000	8.5 UJ	8.5 UJ	8.3 U	8.2 UJ	8.1 U	13.6 U	15.8 U	14.9 UJ	8.3 U	7.8 U
Aroclor-1232	17,000	1,000	8.3 UJ	8.3 UJ	8 U	7.9 UJ	7.9 U	13.2 U	15.3 U	14.5 UJ	8.1 U	7.5 U
Aroclor-1242	23,000	1,000	7.5 UJ	7.5 UJ	7.3 U	7.2 UJ	7.1 U	11.9 U	13.8 U	13.1 UJ	7.3 U	6.8 U
Aroclor-1248	23,000	1,000	7 UJ	**130 J**	6.8 U	**51.7 J**	**51.7 J**	11.1 U	12.9 U	12.2 UJ	6.8 U	6.4 U
Aroclor-1254	1,200	1,000	**250 J**	**180 J**	**31.4**	**88.3 J**	**67.1**	13 U	15.1 U	14.3 UJ	8 U	7.4 U
Aroclor-1260	24,000	1,000	**220 J**	**240 J**	**63.9**	**110 J**	**79.8**	**20,000**	**19,000**	**14,000**	**4,100**	**1,100**
Aroclor-1262	NS	1,000	6.4 UJ	6.3 UJ	6.2 U	6.1 UJ	6 U	10.1 U	11.7 U	11.1 UJ	6.2 U	5.8 U
Aroclor-1268	NS	1,000	5.4 UJ	5.4 UJ	5.3 U	5.2 UJ	5.1 U	8.6 U	10 U	9.4 UJ	5.3 U	4.9 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS008-1824-01	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01	P026-SS009-1824-01	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.3 U	2.3 U	2.3 U	2.2 U	2.3 U	2.3 U	2.8 U	2.5 U	2.5 U	2.4 U
Aroclor-1221	20,000	1,000	7.8 U	7.8 U	7.6 U	7.5 U	7.6 U	7.8 U	9.3 U	8.3 U	8.3 U	8.2 U
Aroclor-1232	17,000	1,000	7.6 U	7.6 U	7.3 U	7.3 U	7.4 U	7.5 U	9 U	8.1 U	8.1 U	7.9 U
Aroclor-1242	23,000	1,000	6.9 U	6.9 U	6.6 U	6.6 U	6.6 U	6.8 U	8.1 U	7.3 U	7.3 U	7.2 U
Aroclor-1248	23,000	1,000	6.4 U	6.4 U	6.2 U	6.1 U	6.2 U	6.4 U	7.6 U	6.8 U	6.8 U	6.7 U
Aroclor-1254	1,200	1,000	7.5 U	**29 J**	**68.5 J**	**19**	**29 J**	7.4 U	8.9 U	**32.7**	**40 J**	7.8 U
Aroclor-1260	24,000	1,000	**310**	**25.8**	5.2 U	5.1 U	5.2 U	5.3 U	**130**	**56.6**	**83.4 J**	**170**
Aroclor-1262	NS	1,000	5.8 U	5.8 U	5.6 U	5.6 U	5.6 U	5.8 U	6.9 U	6.2 U	6.2 U	6.1 U
Aroclor-1268	NS	1,000	5 U	5 U	4.8 U	4.8 U	4.8 U	4.9 U	5.9 U	5.3 U	5.3 U	5.2 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS010-1824-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02	P026-SS012-0206-01	P026-SS012-0612-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.4 U	4.7 U	5.6 U	3 U	2.8 U	2.6 U	2.7 UJ	2.6 UJ	2.3 U	2.3 U
Aroclor-1221	20,000	1,000	8.1 U	15.6 U	18.9 U	10.1 U	9.5 U	8.6 U	9 UJ	8.8 UJ	7.8 U	7.6 U
Aroclor-1232	17,000	1,000	7.8 U	15.1 U	18.3 U	9.8 U	9.2 U	8.4 U	8.7 UJ	8.6 UJ	7.6 U	7.4 U
Aroclor-1242	23,000	1,000	7.1 U	13.7 U	16.5 U	8.9 U	8.3 U	7.5 U	7.9 UJ	7.7 UJ	6.8 U	6.7 U
Aroclor-1248	23,000	1,000	6.6 U	12.8 U	15.4 U	8.3 U	7.7 U	7 U	**60 J**	**76.9 J**	6.4 U	6.2 U
Aroclor-1254	1,200	1,000	7.7 U	15 U	18.1 U	9.7 U	9.1 U	8.3 U	**62.4 J**	**50.1 J**	**16.2 J**	7.3 U
Aroclor-1260	24,000	1,000	**50.9**	**13,000**	**7,200**	**7,400**	**7,800**	**1,800**	**47.4 J**	**36.9 J**	5.4 U	5.2 U
Aroclor-1262	NS	1,000	6 U	11.6 U	14 U	7.5 U	7 U	6.4 U	6.7 UJ	6.6 UJ	5.8 U	5.7 U
Aroclor-1268	NS	1,000	5.1 U	9.9 U	12 U	6.4 U	6 U	5.5 U	5.7 UJ	5.6 UJ	4.9 U	4.8 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01	P026-SS014-0612-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.3 U	2.4 U	2.7 UJ	2.6 U	2.6 UJ	2.4 UJ	2.4 UJ	3.4 UJ	2.8 U	2.6 U
Aroclor-1221	20,000	1,000	7.8 U	8.1 U	9 UJ	8.6 U	8.6 UJ	8 UJ	8 UJ	11.4 UJ	9.4 U	8.7 U
Aroclor-1232	17,000	1,000	7.5 U	7.9 U	8.7 UJ	8.4 U	8.3 UJ	7.8 UJ	7.7 UJ	11.1 UJ	9.1 U	8.5 U
Aroclor-1242	23,000	1,000	6.8 U	7.1 U	7.9 UJ	7.6 U	7.5 UJ	7.1 UJ	7 UJ	10 UJ	8.2 U	7.6 U
Aroclor-1248	23,000	1,000	6.4 U	6.7 U	7.4 UJ	7.1 U	7 UJ	6.6 UJ	6.5 UJ	9.3 UJ	7.7 U	7.1 U
Aroclor-1254	1,200	1,000	7.5 U	7.8 U	8.6 UJ	8.3 U	8.2 UJ	7.7 UJ	7.7 UJ	10.9 UJ	9 U	8.3 U
Aroclor-1260	24,000	1,000	5.3 U	5.6 U	**63.9 J**	**45.5**	**19.2 J**	**21.6 J**	**11.6 J**	**2,600 J**	**2,100**	**630 J**
Aroclor-1262	NS	1,000	5.8 U	6.1 U	6.7 UJ	6.4 U	6.4 UJ	6 UJ	5.9 UJ	8.5 UJ	7 U	6.5 U
Aroclor-1268	NS	1,000	4.9 U	5.2 U	5.7 UJ	5.5 U	5.5 UJ	5.1 UJ	5.1 UJ	7.2 UJ	6 U	5.5 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS014-1218-01	P026-SS014-1824-01	P026-SS015-0002-01	P026-SS015-0206-01	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02	P026-SS016-0002-01	P026-SS016-0206-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18	18-24	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)												
Aroclor-1016	4,100	1,000	2.5 UJ	2.2 U	2.4 UJ	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U	2.5 UJ	2.3 U
Aroclor-1221	20,000	1,000	8.2 UJ	7.5 U	8 UJ	7.4 U	7.5 U	7.5 U	7.7 U	7.5 U	8.4 UJ	7.8 U
Aroclor-1232	17,000	1,000	8 UJ	7.2 U	7.7 UJ	7.1 U	7.3 U	7.3 U	7.5 U	7.3 U	8.1 UJ	7.6 U
Aroclor-1242	23,000	1,000	7.2 UJ	6.5 U	7 UJ	6.4 U	6.6 U	6.6 U	6.7 U	6.6 U	7.3 UJ	6.9 U
Aroclor-1248	23,000	1,000	6.7 UJ	6.1 U	6.5 UJ	6 U	6.1 U	6.1 U	6.3 U	6.1 U	6.8 UJ	6.4 U
Aroclor-1254	1,200	1,000	7.9 UJ	7.2 U	7.6 UJ	7.1 U	7.2 U	7.2 U	7.4 U	7.2 U	8 UJ	7.5 U
Aroclor-1260	24,000	1,000	**570 J**	**110**	**27.5 J**	**7.4 J**	**9.6 J**	5.1 U	5.3 U	**8.6 J**	**31 J**	**29.3**
Aroclor-1262	NS	1,000	6.1 UJ	5.6 U	5.9 UJ	5.5 U	5.6 U	5.6 U	5.7 U	5.6 U	6.2 UJ	5.8 U
Aroclor-1268	NS	1,000	5.2 UJ	4.7 U	5.1 UJ	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.3 UJ	5 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2*]	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
PCB (µg/kg)										
Aroclor-1016	4,100	1,000	2.4 U	2.3 UJ	2.3 U	4.1 UJ	2.7 U	2.8 U	2.5 U	2.6 U
Aroclor-1221	20,000	1,000	8.1 U	7.7 UJ	7.9 U	13.7 UJ	9 U	9.3 U	8.5 U	8.9 U
Aroclor-1232	17,000	1,000	7.9 U	7.5 UJ	7.6 U	13.3 UJ	8.7 U	9 U	8.3 U	8.6 U
Aroclor-1242	23,000	1,000	7.1 U	6.8 UJ	6.9 U	12 UJ	7.9 U	8.1 U	7.5 U	7.8 U
Aroclor-1248	23,000	1,000	6.7 U	6.3 UJ	6.5 U	11.2 UJ	7.4 U	7.6 U	7 U	7.3 U
Aroclor-1254	1,200	1,000	7.8 U	7.4 UJ	7.6 U	13.1 UJ	8.6 U	8.9 U	8.2 U	8.5 U
Aroclor-1260	24,000	1,000	**19.1 J**	**7.2 J**	**11.4 J**	**180 J**	**7.9 J**	**7.3 J**	5.9 U	6.1 U
Aroclor-1262	NS	1,000	6 U	5.7 UJ	5.9 U	10.2 UJ	6.7 U	6.9 U	6.3 U	6.6 U
Aroclor-1268	NS	1,000	5.2 U	4.9 UJ	5 U	8.7 UJ	5.7 U	5.9 U	5.4 U	5.6 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2C: Validated Soil Analytical Results Summary Table - PCBs
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number			**RB-190506**	**RB-190507**	**RB-190508**
Sampling Date			**5/6/2019**	**5/7/2019**	**5/8/2019**
Sample Depth (Inches)			**NA**	**NA**	**NA**
Sample Matrix			**Deionized Water**	**Deionized Water**	**Deionized Water**
PCB (µg/L)					
Aroclor-1016			0.0933 U	0.0933 U	0.0933 U
Aroclor-1221			0.134 U	0.134 U	0.134 U
Aroclor-1232			0.176 U	0.176 U	0.176 U
Aroclor-1242			0.184 U	0.184 U	0.184 U
Aroclor-1248			0.115 U	0.115 U	0.115 U
Aroclor-1254			0.119 U	0.119 U	0.119 U
Aroclor-1260			0.14 U	0.14 U	0.14 U
Aroclor-1262			0.19 U	0.19 U	0.19 U
Aroclor-1268			0.141 U	0.141 U	0.141 U

Notes:

START V - Superfund Technical Assessment & Response Team V

PCB - Polychlorinated Biphenyl

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in micrograms per kilogram (µg/kg)

*RUSCO based on value for PCBs

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS001-0002-01	P021-SS001-0002-02	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01	P021-SS001-1824-01	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			0-2	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**3.32**	**2.96**	**3.67**	**4.1**	**3.69**	**3.85**	**2.55**	**4.91**	**4.15**	**4.24**
Barium	15,000	350	**95.4**	**85.2**	**98.3**	**115**	**104**	**116**	**93.6**	**131**	**119**	**143**
Cadmium	71	2.5	**0.471**	**0.274 J**	**0.274 J**	**0.489**	**1.06**	**1.55**	**0.239 J**	0.024 U	0.022 U	0.024 U
Chromium	NS*	NS**	**11**	**9.98**	**11**	**11.8**	**12.3**	**14.9**	**8.79**	**12.2**	**13.3**	**15.5**
Lead	400	400	**34.8**	**28.7**	**44**	**59.1**	**48.8**	**59**	**19.1**	**27.6**	**29.5**	**21.5**
Mercury	11	0.81	**0.03**	**0.026**	**0.033**	**0.044**	**0.042**	**0.038**	**0.015**	**0.039**	**0.028**	**0.043**
Selenium	390	36	0.33 U	0.319 U	0.318 U	0.314 U	0.311 U	0.318 U	0.308 U	0.32 U	0.293 U	0.316 U
Silver	390	36	0.043 UJ	0.042 U	0.041 U	0.041 U	0.04 U	0.041 U	0.04 U	0.042 U	0.038 U	0.041 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS002-1824-01	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01	P021-SS004-1218-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**2.81**	**3.44**	**3.11**	**2.63**	**2.07**	**2.68**	**3.61**	**3.27**	**3.6**	**3.8**
Barium	15,000	350	**142**	**165**	**159**	**163**	**124**	**84.2**	**141**	**115**	**79.4**	**91.7**
Cadmium	71	2.5	0.025 U	0.026 U	0.025 U	0.026 U	0.025 U	0.024 U	0.026 U	0.025 U	0.023 U	**0.206 J**
Chromium	NS*	NS**	**9.47**	**8.39**	**8.29**	**8.99**	**8.88**	**11.9**	**10.9**	**10.5**	**9.92**	**17.1**
Lead	400	400	**12.5**	**69.9**	**29.9**	**11.6**	**8.7**	**6.53**	**15.8**	**12.7**	**9.85**	**15.4**
Mercury	11	0.81	**0.036**	**0.048**	**0.054**	**0.032**	**0.031**	**0.038**	**0.05**	**0.052**	**0.063**	**0.056**
Selenium	390	36	0.327 U	0.345 U	0.337 U	0.341 U	0.329 U	0.319 U	0.345 U	0.329 U	0.306 U	0.308 U
Silver	390	36	0.043 U	0.045 U	0.044 U	0.044 U	0.043 U	0.042 U	0.045 U	0.043 U	0.04 U	0.04 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01	P021-SS006-1218-01
Sampling Date			5/7/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**3.52**	**4.34**	**5**	**3.52**	**5.37**	**3.32**	**4.3**	**2.98**	**2.48**	**2.78**
Barium	15,000	350	**94.3**	**147**	**136**	**99.7**	**158**	**84.2**	**207**	**164**	**143**	**145**
Cadmium	71	2.5	**0.331**	0.027 U	**0.16 J**	**0.061 J**	**0.715**	**0.543**	0.027 U	**0.116 J**	0.022 U	0.022 U
Chromium	NS*	NS**	**14.5**	**11.3**	**12.2**	**19.4**	**11.5**	**15.2**	**11.1**	**8.32**	**11.1**	**10.6**
Lead	400	400	**13.3**	**20**	**18.9**	**11**	**33.8**	**16.3**	**22.3**	**16.1**	**8.99**	**9.95**
Mercury	11	0.81	**0.017**	**0.072**	**0.06**	**0.06**	**0.079**	**0.064**	**0.069**	**0.052**	**0.043**	**0.038**
Selenium	390	36	0.3 U	0.352 U	0.31 U	0.294 U	0.294 U	0.289 U	0.357 U	0.307 U	0.284 U	0.29 U
Silver	390	36	0.039 U	0.046 U	0.04 U	0.038 U	0.038 U	0.038 U	0.046 U	0.04 U	0.037 U	0.038 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01	P021-SS007-1218-01	P021-SS007-1824-01	P021-SS008-0002-01	P021-SS008-0206-01	P021-SS008-0206-02	P021-SS008-0612-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**2.89**	**3.14**	**3.78**	**3.09**	**3.74**	**3.32**	**4.66**	**4.19**	**4.5**	**3.82**
Barium	15,000	350	**135**	**156**	**166**	**191**	**148**	**128**	**194**	**153**	**153**	**117**
Cadmium	71	2.5	**0.055 J**	0.026 U	0.026 U	**0.027 J**	**0.155 J**	**0.155 J**	**0.164 J**	**0.118 J**	0.024 U	0.023 U
Chromium	NS*	NS**	**10.6**	**10.6**	**10.7**	**10.2**	**13**	**17**	**11.3**	**10.8**	**9.51**	**8.9**
Lead	400	400	**9.47**	**20.9**	**18.1**	**17.1**	**14.9**	**11.9**	**32.1**	**23.5**	**21.3**	**12**
Mercury	11	0.81	**0.033**	**0.055**	**0.047**	**0.037**	**0.05**	**0.043**	**0.08**	**0.071**	**0.053**	**0.052**
Selenium	390	36	0.283 U	0.34 U	0.345 U	0.327 U	0.315 U	0.294 U	0.362 U	0.326 U	0.316 U	0.307 U
Silver	390	36	0.037 U	0.044 U	0.045 U	0.042 U	0.041 U	0.038 U	0.047 U	0.042 UJ	0.041 U	0.04 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P021-SS008-1218-01	P021-SS008-1824-01	P021-SS009-0002-01	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01	P026-SS001-0002-01	P026-SS001-0206-01
Sampling Date			5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/8/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	0-2	2-6	6-12	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**3.89**	**2.71**	**4.62**	**3.6**	**3.6**	**3.15**	**2.81**	**5.02**	**4.82**	**3.95**
Barium	15,000	350	**124**	**101**	**321**	**255**	**232**	**269**	**260**	**372**	**110**	**119**
Cadmium	71	2.5	**0.069 J**	0.024 U	**0.094 J**	**0.224 J**	0.025 U	0.025 U	0.024 U	**0.093 J**	0.024 U	0.023 U
Chromium	NS*	NS**	**8.38**	**8.99**	**9.69**	**9.6**	**9.46**	**8.67**	**8.35**	**8.11**	**6.52**	**9.34**
Lead	400	400	**15.6**	**8.74**	**70.9**	**59.2**	**41.7**	**33.6**	**31.1**	**19.7**	**35.6**	**16**
Mercury	11	0.81	**0.05**	**0.021**	**0.093**	**0.08**	**0.069**	**0.035**	**0.038**	**0.038**	**0.057**	**0.035**
Selenium	390	36	0.3 U	0.314 U	0.394 U	0.334 U	0.334 U	0.33 U	0.316 U	**0.413 J**	0.317 U	0.299 U
Silver	390	36	0.039 U	0.041 U	0.051 U	0.044 U	0.043 U	0.043 U	0.041 U	0.039 U	0.041 U	0.039 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01	P026-SS002-1218-02	P026-SS002-1824-01	P026-SS003-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12	12-18	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**2.98**	**3.25**	**2.69**	**5.17**	**4.26**	**3.5**	**2.5**	**3.15**	**3.64**	**23.4**
Barium	15,000	350	**97.1**	**179**	**171**	**146**	**129**	**172**	**172**	**170**	**160**	**231**
Cadmium	71	2.5	**0.131 J**	**0.063 J**	0.023 U	0.028 U	0.025 U	0.025 U	0.025 U	0.025 U	0.024 U	0.029 U
Chromium	NS*	NS**	**7.96**	**8.28**	**8.48**	**6.26**	**6.55**	**8.14**	**8.46**	**10.6**	**14.3**	**8.2**
Lead	400	400	**11.2**	**17.4**	**11.1**	**40.7**	**34.4**	**19.6**	**16.5**	**25.3**	**18.7**	**2,120**
Mercury	11	0.81	**0.024**	**0.022**	**0.019**	**0.053**	**0.055**	**0.062**	**0.048**	**0.055**	**0.032**	**0.05**
Selenium	390	36	0.294 U	0.302 U	0.299 U	0.367 U	0.335 U	0.324 U	0.33 U	0.325 U	0.318 U	0.387 U
Silver	390	36	0.038 U	0.039 U	0.039 U	0.048 U	0.044 U	0.042 U	0.043 UJ	0.042 U	0.041 U	0.05 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS003-0206-01	P026-SS003-0612-01	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01	P026-SS004-0612-01	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18	18-24	0-2
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**2.71**	**2.95**	**2.98**	**3.34**	**6.84**	**5.1**	**4.06**	**2.35**	**3.21**	**5.93**
Barium	15,000	350	**204**	**219**	**239**	**137**	**62.3**	**117**	**138**	**148**	**132**	**122**
Cadmium	71	2.5	0.026 U	0.026 U	0.026 U	0.026 U	0.024 U	**0.039 J**	**0.234 J**	**0.33**	**0.161 J**	0.026 U
Chromium	NS*	NS**	**9.33**	**9.77**	**10.1**	**11**	**5.61**	**10.5**	**10.5**	**6.99**	**11.5**	**9**
Lead	400	400	**26.5**	**21.1**	**20**	**15.7**	**39.6**	**30.4**	**17**	**17.8**	**13.6**	**40.2**
Mercury	11	0.81	**0.057**	**0.039**	**0.02**	**0.018**	**0.053**	**0.023**	**0.017**	**0.026**	**0.041**	**0.034**
Selenium	390	36	0.342 U	0.345 U	0.35 U	0.34 U	0.318 U	0.294 U	0.285 U	0.304 U	0.301 U	0.337 U
Silver	390	36	0.044 U	0.045 U	0.046 U	0.044 U	0.041 U	0.038 U	0.037 U	0.039 U	0.039 U	0.044 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS005-0206-01	P026-SS005-0612-01	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02	P026-SS006-0206-01	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			2-6	6-12	12-18	18-24	0-2	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**6.41**	**5.83**	**4.77**	**4.71**	**10.7 J**	**4.98 J**	**5.67**	**4.76**	**4.35**	**3.34**
Barium	15,000	350	**90.4**	**115**	**118**	**138**	**145**	**134**	**106**	**98.6**	**127**	**139**
Cadmium	71	2.5	0.023 U	**0.1 J**	**0.126 J**	**0.153 J**	0.026 U	0.025 U	**0.222 J**	**0.197 J**	**0.613**	0.023 U
Chromium	NS*	NS**	**8.01**	**8.94**	**9.85**	**17.6**	**6.48**	**7.61**	**8.41**	**11.1**	**13.2**	**10.6**
Lead	400	400	**30**	**34.3**	**22.7**	**23.2**	**3,960 J**	**136 J**	**31.5**	**17.2**	**23.3**	**23.1**
Mercury	11	0.81	**0.042**	**0.039**	**0.035**	**0.048**	**0.039**	**0.039**	**0.021**	**0.023**	**0.056**	**0.031**
Selenium	390	36	0.311 U	0.324 U	0.31 U	0.312 U	0.349 U	0.335 U	0.285 U	0.286 U	0.295 U	0.305 U
Silver	390	36	0.04 U	0.042 U	0.04 U	0.041 U	0.045 UJ	0.044 U	0.037 U	0.037 U	0.038 U	0.04 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS007-0002-01	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01	P026-SS008-0206-01	P026-SS008-0206-02	P026-SS008-0612-01	P026-SS008-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			0-2	2-6	6-12	12-18	18-24	0-2	2-6	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**5.46**	**5.31**	**3.82**	**3.58**	**2.99**	**3.28 J**	**3.74 J**	**3.58 J**	**5.37**	**3.66**
Barium	15,000	350	**146**	**190**	**154**	**162**	**185**	**231 J**	**313 J**	**287 J**	**153**	**108**
Cadmium	71	2.5	**0.055 J**	**0.158 J**	0.025 U	0.024 U	0.024 U	**0.101 J**	**0.402 J**	**0.373 J**	**0.183 J**	0.023 U
Chromium	NS*	NS**	**7.26**	**7.53**	**10.6**	**14.3**	**15.3**	**9.04 J**	**9.7 J**	**9.15 J**	**10.8**	**14.7**
Lead	400	400	**64.8**	**56.4**	**16.7**	**30.2**	**22.7**	**20 J**	**20.8 J**	**20.8 J**	**20.7**	**16.3**
Mercury	11	0.81	**0.069**	**0.068**	**0.04**	**0.04**	**0.029**	**0.154 J**	**0.218 J**	**0.201 J**	**0.094**	**0.038**
Selenium	390	36	0.334 U	0.334 U	0.328 U	0.316 U	0.312 U	**0.966 J**	**1.71 J**	**1.74 J**	0.331 U	0.306 U
Silver	390	36	0.043 U	0.043 U	0.043 U	0.041 U	0.041 U	0.07 U	0.082 U	0.077 U	0.043 U	0.04 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS008-1824-01	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01	P026-SS009-1824-01	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12	12-18
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**4.3**	**4.36**	**4.85**	**4.74**	**3.75**	**2.98**	**6.17**	**7.31**	**5.45**	**7.55**
Barium	15,000	350	**94.3**	**89.1**	**125**	**112**	**147**	**115**	**145**	**135**	**117**	**154**
Cadmium	71	2.5	**0.026 J**	**0.078 J**	**0.26 J**	**0.238 J**	0.023 U	0.023 U	0.028 U	**0.379**	**0.035 J**	**0.166 J**
Chromium	NS*	NS**	**12.1**	**8.08**	**8.95**	**10.4**	**21.3**	**9.87**	**9.04**	**9.85**	**10.3**	**12.1**
Lead	400	400	**13.1**	**23.8**	**55**	**18.8**	**20.8**	**14.2**	**48**	**80.6**	**97**	**55.8**
Mercury	11	0.81	**0.065**	**0.037**	**0.045**	**0.025**	**0.026**	**0.034**	**0.055**	**0.06**	**0.05**	**0.07**
Selenium	390	36	0.308 U	0.31 U	0.292 U	0.299 U	0.305 U	0.305 U	0.367 U	0.33 U	0.334 U	0.328 U
Silver	390	36	0.04 U	0.04 U	0.038 U	0.039 U	0.04 U	0.04 U	0.048 U	0.043 U	0.043 U	0.043 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS010-1824-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02	P026-SS012-0206-01	P026-SS012-0612-01
Sampling Date			5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/6/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			18-24	0-2	2-6	6-12	12-18	18-24	0-2	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**5.54**	**3.19 J**	**2.82 J**	**3.7**	**3.64**	**4.21**	**7.26**	**5.72**	**11.5**	**4.8**
Barium	15,000	350	**138**	**302 J**	**424 J**	**225**	**205**	**166**	**179**	**111**	**87.4**	**104**
Cadmium	71	2.5	**0.135 J**	0.048 UJ	0.056 UJ	0.031 U	0.028 U	0.025 U	**0.2 J**	0.027 U	**0.255 J**	0.023 U
Chromium	NS*	NS**	**11.7**	**7.66 J**	**5.86 J**	**10.8**	**9.39**	**8.37**	**7.11**	**4.56**	**8.8**	**9.91**
Lead	400	400	**55**	**25.8 J**	**14.3 J**	**13.7**	**14.4**	**20**	**177**	**133**	**39.1**	**16.9**
Mercury	11	0.81	**0.041**	**0.208 J**	**0.167 J**	**0.078**	**0.098**	**0.065**	**0.046**	**0.036**	**0.042**	**0.034**
Selenium	390	36	0.315 U	**2.48 J**	**2.41 J**	0.41 U	0.374 U	0.333 U	0.357 U	0.351 U	0.306 U	0.3 U
Silver	390	36	0.041 U	0.082 UJ	0.096 UJ	0.053 U	0.049 U	0.043 U	0.046 UJ	0.046 U	0.04 U	0.039 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01	P026-SS014-0612-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18	18-24	0-2	2-6	6-12
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**3.78**	**2.77**	**5.52**	**7.61**	**7.37**	**6.54**	**5.3**	**4.84**	**5.83**	**5.3**
Barium	15,000	350	**235**	**270**	**148**	**114**	**114**	**142**	**161**	**192**	**194**	**163**
Cadmium	71	2.5	**0.121 J**	0.024 U	0.026 U	**0.34**	**0.122 J**	**0.098 J**	**0.138 J**	0.034 U	**0.104 J**	**0.027 J**
Chromium	NS*	NS**	**9.64**	**8.86**	**10.8**	**8.62**	**9.18**	**10.6**	**9.84**	**9.35**	**12.2**	**14.2**
Lead	400	400	**17.1**	**11.1**	**32**	**67.9**	**52.8**	**40.4**	**24.2**	**31.7**	**30.3**	**17.8**
Mercury	11	0.81	**0.029**	**0.023**	**0.04**	**0.058**	**0.077**	**0.074**	**0.036**	**0.12**	**0.08**	**0.046**
Selenium	390	36	0.311 U	**0.555 J**	0.349 U	0.342 U	0.342 U	0.316 U	0.322 U	**0.507 J**	0.366 U	0.348 U
Silver	390	36	0.041 U	0.042 U	0.045 U	0.045 U	0.045 U	0.041 U	0.042 U	0.059 U	0.048 U	0.045 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS014-1218-01	P026-SS014-1824-01	P026-SS015-0002-01	P026-SS015-0206-01	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02	P026-SS016-0002-01	P026-SS016-0206-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			12-18	18-24	0-2	2-6	6-12	12-18	18-24	18-24	0-2	2-6
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)												
Arsenic	35	16	**5.33**	**4.88**	**6.65**	**5.46**	**5.37**	**5.27**	**5.27**	**5.04**	**6.77**	**6.32**
Barium	15,000	350	**125**	**87.7**	**134**	**105**	**95.8**	**122**	**112**	**105**	**112**	**104**
Cadmium	71	2.5	0.024 U	**0.267 J**	**0.322**	**0.501**	**0.303**	**0.451**	**0.242 J**	**0.185 J**	**0.249 J**	**0.264 J**
Chromium	NS*	NS**	**12.6**	**11.2**	**8.39**	**9.54**	**11.3**	**11.8**	**21.9 J**	**14.2**	**9.26**	**8.91**
Lead	400	400	**19.5**	**15.4**	**75.9**	**22**	**16.9**	**16.2**	**18.1**	**17.5**	**30.8**	**31**
Mercury	11	0.81	**0.06**	**0.049**	**0.055**	**0.048**	**0.04**	**0.038**	**0.032**	**0.032**	**0.056**	**0.06**
Selenium	390	36	0.322 U	0.29 U	0.315 U	0.291 U	0.3 U	0.293 U	0.303 UJ	0.291 U	0.336 U	0.307 U
Silver	390	36	0.042 U	0.038 U	0.041 U	0.038 U	0.039 U	0.038 U	0.039 UJ	0.038 U	0.044 U	0.04 U

START V Sample Number	EPA RML for Residential Soil[1]	NYSDEC RUSCO for Residential Soil[2]	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Sampling Date			5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019	5/7/2019
Sample Depth (Inches)			6-12	12-18	18-24	0-2	2-6	6-12	12-18	18-24
Sample Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
RCRA Metal (mg/kg)										
Arsenic	35	16	**5.34**	**6.41**	**5.99**	**2.81 J**	**3.46**	**2.56**	**2.02**	1.11 U
Barium	15,000	350	**101**	**125**	**107**	**186 J**	**104**	**84.1**	**113**	**117**
Cadmium	71	2.5	**0.202 J**	**0.303**	**0.236 J**	0.04 UJ	0.026 U	0.028 U	0.026 U	0.027 U
Chromium	NS*	NS**	**10.7**	**9.7**	**14.5**	**6.64 J**	**9.17**	**11.3**	**6.64**	**8.09**
Lead	400	400	**21.8**	**25.5**	**23.8**	**25.2 J**	**22.9**	**13.1**	**11.3**	**5.78**
Mercury	11	0.81	**0.063**	**0.047**	**0.046**	**0.084 J**	**0.054**	**0.025**	**0.023**	**0.018**
Selenium	390	36	0.314 U	0.309 U	0.309 U	0.53 UJ	0.35 U	0.371 U	0.338 U	0.354 U
Silver	390	36	0.041 U	0.04 U	0.04 U	0.069 UJ	0.046 U	0.048 U	0.044 U	0.046 U

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 2D: Validated Soil Analytical Results Summary Table - RCRA Metals
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

START V Sample Number			**RB-190506**	**RB-190507**	**RB-190508**
Sampling Date			**5/6/2019**	**5/7/2019**	**5/8/2019**
Sample Depth (Inches)			**NA**	**NA**	**NA**
Sample Matrix			**Deionized Water**	**Deionized Water**	**Deionized Water**
RCRA Metal (mg/L)					
Arsenic			**1.42 J**	0.676 U	0.676 U
Barium			3.99 U	3.99 U	3.99 U
Cadmium			0.173 U	0.173 U	0.173 U
Chromium			1.33 U	1.33 U	1.33 U
Lead			1.43 U	1.43 U	1.43 U
Mercury			**0.173 J**	0.043 U	0.043 U
Selenium			2.79 U	2.79 U	2.79 U
Silver			0.169 U	0.169 U	**0.3 J**

Notes:

START V - Superfund Technical Assessment & Response Team V

RCRA - Resource Conservation and Recovery Act

J - Estimated value

U - Not detected

NS - Not Specified

NA - Not Applicable

[1]U.S. Environmental Protection Agency (EPA) Removal Management Levels (RMLs) for Residential Soil corresponding to 10^{-4} Risk Level for Carcinogens or a Hazard Quotient (HQ) of 1 for Non-Carcinogens, November 2018

[2]New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objectives (RUSCOs) for Residential Soil, December 2006

All soil analytical results, EPA RMLs, and NYSDEC RUSCOs reported in milligrams per kilogram (mg/kg)

*No specified EPA RML for total chromium; EPA RMLs are 30 mg/kg for hexavalent chromium and 120,000 mg/kg for trivalent chromium

**No specified NYSDEC RUSCO for total chromium; NYSDEC RUSCOs are 22 mg/kg for hexavalent chromium and 36 mg/kg for trivalent chromium

Bold result values are detections

Result values highlighted yellow equal or exceed the respective NYSDEC RUSCO

Result values in red highlighted yellow equal or exceed both the NYSDEC RUSCO and EPA RML

Table 3: Surface and Subsurface Characterization Summary Table
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

Location	Sample Number	Top Depth	Bottom Depth	Description
P021-SS001	P021-SS001-0002-01/02	0	2	Moist brown clayey SILT with trace sand and some roots and organic material
	P021-SS001-0206-01	2	6	Moist brown clayey SILT with trace sand and roots
	P021-SS001-0612-01	6	12	Moist brown clayey SILT with trace sand
	P021-SS001-1218-01	12	18	Moist brown clayey SILT with trace sand and roots
	P021-SS001-1824-01	18	24	Moist brown clayey SILT with trace sand
P021-SS002	P021-SS002-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P021-SS002-0206-01	2	6	Moist brown clayey SILT with trace sand
	P021-SS002-0612-01	6	12	Moist brown clayey SILT with trace sand
	P021-SS002-1218-01	12	18	Moist brown clayey SILT with trace sand
	P021-SS002-1824-01	18	24	Moist brown clayey SILT with trace sand
P021-SS003	P021-SS003-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P021-SS003-0206-01	2	6	Moist brown silty CLAY with trace roots
	P021-SS003-0612-01	6	12	Moist brown silty CLAY
	P021-SS003-1218-01	12	18	Moist brown and light brown silty CLAY
	P021-SS003-1824-01	18	24	Moist brown and light brown silty CLAY
P021-SS004	P021-SS004-0002-01	0	2	Moist brown silty CLAY with trace roots and organic material
	P021-SS004-0206-01	2	6	Moist brown silty CLAY with trace roots
	P021-SS004-0612-01	6	12	Moist brown silty CLAY
	P021-SS004-1218-01	12	18	Moist brown silty CLAY with some gravel
	P021-SS004-1824-01	18	24	Moist brown silty CLAY with some gravel
P021-SS005	P021-SS005-0002-01	0	2	Moist brown silty CLAY with trace organic material and roots
	P021-SS005-0206-01	2	6	Moist brown silty CLAY with trace roots
	P021-SS005-0612-01	6	12	Moist light brown silty CLAY with trace sand and trace gravel
	P021-SS005-1218-01	12	18	Moist light brown silty CLAY with sand
	P021-SS005-1824-01	18	24	Moist light brown silty CLAY with sand
P021-SS006	P021-SS006-0002-01	0	2	Moist brown silty CLAY with trace roots and organic
	P021-SS006-0206-01	2	6	Moist brown clayey SILT with trace sand and trace roots
	P021-SS006-0612-01	6	12	Moist light brown silty CLAY
	P021-SS006-1218-01	12	18	Moist light brown and brown silty CLAY
	P021-SS006-1824-01	18	24	Moist light brown and brown silty CLAY
P021-SS007	P021-SS007-0002-01	0	2	Moist brown silty CLAY with roots
	P021-SS007-0206-01	2	6	Moist brown silty CLAY
	P021-SS007-0612-01	6	12	Moist brown silty CLAY
	P021-SS007-1218-01	12	18	Moist light brown and brown silty CLAY
	P021-SS007-1824-01	18	24	Moist light brown brown silty clay
P021-SS008	P021-SS008-0002-01	0	2	Moist brown silty CLAY with trace organic material and roots
	P021-SS008-0206-01/02	2	6	Moist brown silty CLAY
	P021-SS008-0612-01	6	12	Light brown and brown silty CLAY
	P021-SS008-1218-01	12	18	Moist light brown silty CLAY
	P021-SS008-1824-01	18	24	Saturated light brown silty CLAY
P021-SS009	P021-SS009-0002-01	0	2	Moist brown silty CLAY with trace roots and organic material
	P021-SS009-0206-01	2	6	Moist brown silty CLAY with trace roots
	P021-SS009-0612-01	6	12	Moist brown silty CLAY
P021-SS010	P021-SS010-0002-01	0	2	Moist brown silty CLAY with trace SAND
	P021-SS010-0206-01	2	6	Moist brown silty CLAY with trace SAND
	P021-SS010-0612-01	6	12	Moist brown silty CLAY with trace SAND
P026-SS001	P026-SS001-0002-01	0	2	Moist brown sandy SILT with organic material, gravel, and some roots
	P026-SS001-0206-01	2	6	Moist light brown silty SAND with gravel
	P026-SS001-0612-01	6	12	Moist light brown silty SAND with gravel
	P026-SS001-1218-01	12	18	Moist light brown clayey SAND with gravel
	P026-SS001-1824-01	18	24	Moist light brown sandy CLAY with some gravel
P026-SS002	P026-SS002-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS002-0206-01	2	6	Moist light brown silty SAND with gravel
	P026-SS002-0612-01	6	12	Moist light brown sandy CLAY with some gravel
	P026-SS002-1218-01/02	12	18	Moist light brown sandy CLAY with some gravel
	P026-SS002-1824-01	18	24	Moist light brown sandy CLAY with some gravel
P026-SS003	P026-SS003-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS003-0206-01	2	6	Moist brown clayey SILT with trace roots and gravel
	P026-SS003-0612-01	6	12	Moist brown silty CLAY with trace gravel
	P026-SS003-1218-01	12	18	Moist brown silty CLAY with trace gravel
	P026-SS003-1824-01	18	24	Saturated light brown clayey SILT with trace gravel
P026-SS004	P026-SS004-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS004-0206-01	2	6	Moist light brown silty SAND with gravel
	P026-SS004-0612-01	6	12	Moist light brown silty SAND with gravel
	P026-SS004-1218-01	12	18	Moist light brown silty SAND with gravel
	P026-SS004-1824-01	18	24	Moist light brown clayey SAND with gravel

Notes:
Top and bottom depths are reported in inches (in) below ground surface (bgs)

Table 3: Surface and Subsurface Characterization Summary Table
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

Location	Sample Number	Top Depth	Bottom Depth	Description
P026-SS005	P026-SS005-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS005-0206-01	2	6	Moist brown silty SAND with some gravel
	P026-SS005-0612-01	6	12	Moist light brown silty SAND with gravel
	P026-SS005-1218-01	12	18	Moist brown silty SAND with gravel
	P026-SS005-1824-01	18	24	Moist brown silty SAND with gravel
P026-SS006	P026-SS006-0002-01/02	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS006-0206-01	2	6	Moist light brown silty SAND with gravel
	P026-SS006-0612-01	6	12	Moist light brown silty SAND with gravel
	P026-SS006-1218-01	12	18	Moist light brown silty SAND with gravel
	P026-SS006-1824-01	18	24	Moist light brown sandy CLAY with gravel
P026-SS007	P026-SS007-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS007-0206-01	2	6	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS007-0612-01	6	12	Moist light brown silty CLAY with trace gravel
	P026-SS007-1218-01	12	18	Moist brown silty CLAY with trace GRAVEL
	P026-SS007-1824-01	18	24	Moist brown and light brown silty CLAY with trace sand
P026-SS008	P026-SS008-0002-01	0	2	Moist brown silty CLAY with roots and some organic material
	P026-SS008-0206-01/02	2	6	Moist brown silty CLAY with trace roots
	P026-SS008-0612-01	6	12	Moist light brown and brown silty CLAY with trace sand
	P026-SS008-1218-01	12	18	Moist light brown silty SAND with gravel
	P026-SS008-1824-01	18	24	Moist light brown silty SAND with gravel
P026-SS009	P026-SS009-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS009-0206-01	2	6	Moist light brown silty SAND with gravel
	P026-SS009-0612-01	6	12	Moist light brown and brown silty SAND with gravel
	P026-SS009-1218-01	12	18	Moist light brown and brown silty CLAY with sand
	P026-SS009-1824-01	18	24	Moist light brown silty CLAY
P026-SS010	P026-SS010-0002-01	0	2	Moist brown sandy SILT with trace organic material and roots
	P026-SS010-0206-01	2	6	Moist brown sandy SILT with trace roots
	P026-SS010-0612-01	6	12	Moist brown sandy SILT with trace organic material
	P026-SS010-1218-01	12	18	Moist brown sandy SILT
	P026-SS010-1824-01	18	24	Moist brown clayey SILT with trace sand
P026-SS011	P026-SS011-0002-01	0	2	Moist brown clayey SILT with trace organic material and roots
	P026-SS011-0206-01	2	6	Moist brown clayey SILT with trace organic material and roots
	P026-SS011-0612-01	6	12	Moist brown sandy SILT with trace gravel
	P026-SS011-1218-01	12	18	Moist brown silty CLAY
	P026-SS011-1824-01	18	24	Moist brown and light brown silty clay
P026-SS012	P026-SS012-0002-01/02	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS012-0206-01	2	6	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS012-0612-01	6	12	Moist brown clayey SILT with trace sand and GRAVEL
	P026-SS012-1218-01	12	18	Moist brown silty clay with trace sand and gravel
	P026-SS012-1824-01	18	24	Moist brown silty CLAY
P026-SS013	P026-SS013-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS013-0206-01	2	6	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS013-0612-01	6	12	Moist brown clayey SILT with trace sand with gravel
	P026-SS013-1218-01	12	18	Moist brown clayey SILT with trace sand with gravel
	P026-SS013-1824-01	18	24	Moist brown clayey SILT with trace sand with gravel
P026-SS014	P026-SS014-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS014-0206-01	2	6	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS014-0612-01	6	12	Brown and light brown sandy SILT with gravel
	P026-SS014-1218-01	12	18	Brown and light brown sandy SILT with gravel
	P026-SS014-1824-01	18	24	Moist light brown sandy SILT with gravel
P026-SS015	P026-SS015-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS015-0206-01	2	6	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS015-0612-01	6	12	Moist light brown silty SAND with gravel
	P026-SS015-1218-01	12	18	Moist light brown silty SAND with gravel
	P026-SS015-1824-01/02	18	24	Moist light brown silty SAND with gravel
P026-SS016	P026-SS016-0002-01	0	2	Moist brown sandy SILT with organic material, roots, and gravel
	P026-SS016-0206-01	2	6	Moist light brown silty SAND with gravel
	P026-SS016-0612-01	6	12	Moist light brown silty SAND with gravel
	P026-SS016-1218-01	12	18	Moist brown clayey SILT with trace sand
	P026-SS016-1824-01	18	24	Moist brown clayey SILT with trace sand
P026-SS017	P026-SS017-0002-01	0	2	Moist light brown silty SAND with gravel
	P026-SS017-0206-01	2	6	Wet brown silty CLAY
	P026-SS017-0612-01	6	12	Saturated brown silty CLAY
	P026-SS017-1218-01	12	18	Saturated brown silty CLAY
	P026-SS017-1824-01	18	24	Saturated brown silty CLAY

Notes:
Top and bottom depths are reported in inches (in) below ground surface (bgs)

Attachment C

Photographic Documentation Log

Photographic Documentation Log
Route 203 Site
Nassau, Rensselaer County, New York
May 6 through 8, 2019

Photograph 1: View of Weston Solutions Inc., Removal Support Team 3 (RST 3) (currently Superfund Technical Assessment and Response Team V [START V]) personnel utilizing non-dedicated stainless steel hand auger to advance a soil boring at sample location P026-SS016 in an area of concern (AOC) identified as Property P026 located adjacent to the Route 203 Site (the Site). Grab soil samples were collected at each sample location from depths 0 to 2, 2 to 6, 6 to 12, 12 to 18, and 18 to 24 inches below ground surface (bgs). Soil samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and Resource Conservation and Recovery Act (RCRA) metals.

Photograph 2: View of RST 3 personnel backfilling P026-SS015. All soil sample locations were restored close to pre-existing conditions upon completing sampling activities.

Photograph 3: View of P026-SS008. Concentrations of Aroclor-1260 exceeding the New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objective (RUSCO) for residential soil of 1,000 micrograms per kilogram (µg/kg) were detected in samples collected from depths 0 to 18 inches bgs at this location.

Photograph 4: View of P021-SS001. Soil samples at this location were collected immediately adjacent to the abandoned culvert which previously connected the pond at the Site to the backyard of the AOC designated as Property P021.

Photograph 5: View of P021-SS010. Concentrations of Aroclor-1248 and Aroclor-1260 exceeding the NYSDEC RUSCO for residential soil of 1,000 µg/kg were detected in P021-SS010-0206-01, and concentration of barium exceeding the NYSDEC RUSCO for residential soil of 350 milligrams per kilogram (mg/kg) were detected in P021-SS010-0612-01.

Photograph 6: View of soil samples P026-SS004-0002-01, P026-SS004-0206-01, P026-SS004-0612-01, P026-SS004-1218-01, and P026-SS004-1824-01 collected at P026-SS004. At each soil boring location, RST 3 documented brief descriptions of surface and subsurface soil characteristics.

Attachment D

Chains of Custody Records

K2717

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS001-0002-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:20	3	Encore	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:20	1	4 oz glass w/ septum	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:28	3	Encore	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:28	1	4 oz glass w/ septum	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:35	3	Encore	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:35	1	4 oz glass w/ septum	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:44	3	Encore	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:44	1	4 oz glass w/ septum	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:55	3	Encore	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:55	1	4 oz glass w/ septum	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:05	3	Encore	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:05	1	4 oz glass w/ septum	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:12	3	Encore	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:12	1	4 oz glass w/ septum	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:20	3	Encore	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:20	1	4 oz glass w/ septum	4 C	N
	P026-SS002-1218-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:24	9	Encore	4 C	Y
	P026-SS002-1218-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:24	2	4 oz glass w/ septum	4 C	Y
	P026-SS002-1218-02	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:24	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	[signature] Weston RST3	5/6/2019 1800	[signature]	5-7-19 1005	4.6°C / IR GUN #1
					5.3°C

K2717

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS002-1218-02	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:24	1	4 oz glass w/ septum	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:30	3	Encore	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:30	1	4 oz glass w/ septum	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	12:39	3	Encore	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:39	1	4 oz glass w/ septum	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	12:44	3	Encore	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:44	1	4 oz glass w/ septum	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	12:51	3	Encore	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:51	1	4 oz glass w/ septum	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	13:01	3	Encore	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:01	1	4 oz glass w/ septum	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	13:06	3	Encore	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:06	1	4 oz glass w/ septum	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:20	3	Encore	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:20	1	4 oz glass w/ septum	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:25	3	Encore	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:25	1	4 oz glass w/ septum	4 C	N
	P026-SS004-0612-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:32	3	Encore	4 C	N
	P026-SS004-0612-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:32	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analysis	Weston & STB	5/6/2019 1900		5-7-19 1005	4.6°C / IR GUN #1
					5.3°C

R2718

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS004-1218-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:41	3	Encore	4 C	N
	P026-SS004-1218-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:41	1	4 oz glass w/ septum	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:48	3	Encore	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:48	1	4 oz glass w/ septum	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	13:53	3	Encore	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:53	1	4 oz glass w/ septum	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:01	3	Encore	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:01	1	4 oz glass w/ septum	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:08	3	Encore	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:08	1	4 oz glass w/ septum	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:15	3	Encore	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:15	1	4 oz glass w/ septum	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:22	3	Encore	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:22	1	4 oz glass w/ septum	4 C	N
	P026-SS006-0002-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:34	9	Encore	4 C	Y
	P026-SS006-0002-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:34	2	4 oz glass w/ septum	4 C	Y
	P026-SS006-0002-02	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:34	3	Encore	4 C	N
	P026-SS006-0002-02	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:34	1	4 oz glass w/ septum	4 C	N
	P026-SS006-0206-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:40	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Weston CSTS	5/6/2019 1900		5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

K2718

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS006-0206-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:40	1	4 oz glass w/ septum	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:44	3	Encore	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:44	1	4 oz glass w/ septum	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:50	3	Encore	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:50	1	4 oz glass w/ septum	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:57	3	Encore	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:57	1	4 oz glass w/ septum	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:04	3	Encore	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:04	1	4 oz glass w/ septum	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:09	3	Encore	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:09	1	4 oz glass w/ septum	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:16	3	Encore	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:16	1	4 oz glass w/ septum	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:19	3	Encore	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:19	1	4 oz glass w/ septum	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:25	3	Encore	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:25	1	4 oz glass w/ septum	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:31	3	Encore	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:31	1	4 oz glass w/ septum	4 C	N

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	WI Plan RSTS	5/6/2019 1900		5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

R2719

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS008-0206-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:40	9	Encore	4 C	Y
	P026-SS008-0206-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:40	2	4 oz glass w/ septum	4 C	Y
	P026-SS008-0206-02	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:40	3	Encore	4 C	N
	P026-SS008-0206-02	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:40	1	4 oz glass w/ septum	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:51	3	Encore	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:51	1	4 oz glass w/ septum	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:58	3	Encore	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:58	1	4 oz glass w/ septum	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	16:03	3	Encore	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:03	1	4 oz glass w/ septum	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:07	3	Encore	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:07	1	4 oz glass w/ septum	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:14	3	Encore	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:14	1	4 oz glass w/ septum	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:18	3	Encore	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:18	1	4 oz glass w/ septum	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:21	3	Encore	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:21	1	4 oz glass w/ septum	4 C	N
	P026-SS009-1824-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:29	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample/ All Analysis	- Weston CST	5/6/2019 1900		5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

K2719

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS009-1824-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:29	1	4 oz glass w/ septum	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:36	3	Encore	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:36	1	4 oz glass w/ septum	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	16:42	3	Encore	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:42	1	4 oz glass w/ septum	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	16:50	3	Encore	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:50	1	4 oz glass w/ septum	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	16:57	3	Encore	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:57	1	4 oz glass w/ septum	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	17:02	3	Encore	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:02	1	4 oz glass w/ septum	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:08	3	Encore	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:08	1	4 oz glass w/ septum	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	17:15	3	Encore	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:15	1	4 oz glass w/ septum	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:19	3	Encore	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:19	1	4 oz glass w/ septum	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:20	3	Encore	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:20	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analysis	[signature] - WESTON CDS	5/6/2019 1900	[signature]	5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

K2 7/9

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS011-1824-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:20	3	Encore	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:20	1	4 oz glass w/ septum	4 C	N
	RB-190506	RB-190506	DI Water	TCL VOCs (Aq)	5/6/2019	17:40	2	40 mL VOA	4 C, HCl pH<2	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	WESTON CSTS	5/6/2019 1900		5-7-19 1005	4.6°C / IR Gun #1 5.3°C

K2733

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS001-0002-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:40	9	Encore	4 C	Y
	P021-SS001-0002-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:40	2	4 oz glass w/ septum	4 C	Y
	P021-SS001-0002-02	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:40	3	Encore	4 C	N
	P021-SS001-0002-02	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:40	1	4 oz glass w/ septum	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:46	3	Encore	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:46	1	4 oz glass w/ septum	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:53	3	Encore	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:53	1	4 oz glass w/ septum	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:58	3	Encore	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:58	1	4 oz glass w/ septum	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	12:03	3	Encore	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:03	1	4 oz glass w/ septum	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:14	3	Encore	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:14	1	4 oz glass w/ septum	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:23	3	Encore	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:23	1	4 oz glass w/ septum	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:31	3	Encore	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:31	1	4 oz glass w/ septum	4 C	N
	P021-SS002-1218-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:39	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyses	Weston RST3	5/7/2019 1630		5-8-19 0920	3.7°C/4.6°C
					IR GUN #1

K2733

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS002-1218-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:39	1	4 oz glass w/ septum	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:44	3	Encore	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:44	1	4 oz glass w/ septum	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	12:56	3	Encore	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:56	1	4 oz glass w/ septum	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:20	3	Encore	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:20	1	4 oz glass w/ septum	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:28	3	Encore	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:28	1	4 oz glass w/ septum	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:34	3	Encore	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:34	1	4 oz glass w/ septum	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:41	3	Encore	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:41	1	4 oz glass w/ septum	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	13:48	3	Encore	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:48	1	4 oz glass w/ septum	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	13:54	3	Encore	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:54	1	4 oz glass w/ septum	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	14:00	3	Encore	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	14:00	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analyses	Weston CSTS	5/7/2019 1630		5-8-19 0920	3.7°C/4.6°C
					IR GUN #1

K2734

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS004-1218-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	14:13	3	Encore	4 C	N
	P021-SS004-1218-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	14:13	1	4 oz glass w/ septum	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	14:25	3	Encore	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	14:25	1	4 oz glass w/ septum	4 C	N
	P026-SS012-0002-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:02	9	Encore	4 C	Y
	P026-SS012-0002-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:02	2	4 oz glass w/ septum	4 C	Y
	P026-SS012-0002-02	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:02	3	Encore	4 C	N
	P026-SS012-0002-02	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:02	1	4 oz glass w/ septum	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:09	3	Encore	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:09	1	4 oz glass w/ septum	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:15	3	Encore	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:15	1	4 oz glass w/ septum	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:22	3	Encore	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:22	1	4 oz glass w/ septum	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:32	3	Encore	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:32	1	4 oz glass w/ septum	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL VOCs (Solid)	5/7/2019	08:37	3	Encore	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:37	1	4 oz glass w/ septum	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:42	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	WESTON RSTS	5/7/2019 1630		5-8-19 0920	3.7°C / 4.6°C
					IR GUN #1

K2734

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS013-0206-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:42	1	4 oz glass w/ septum	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:49	3	Encore	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:49	1	4 oz glass w/ septum	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:54	3	Encore	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:54	1	4 oz glass w/ septum	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	09:02	3	Encore	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:02	1	4 oz glass w/ septum	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	09:07	3	Encore	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:07	1	4 oz glass w/ septum	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:14	3	Encore	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:14	1	4 oz glass w/ septum	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:21	3	Encore	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:21	1	4 oz glass w/ septum	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:27	3	Encore	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:27	1	4 oz glass w/ septum	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:33	3	Encore	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:33	1	4 oz glass w/ septum	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:39	3	Encore	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:39	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	Weston ASTS	5/7/2019 1630		5-8-19 0920	3.7°C / 4.6°C
					IR Gun #1

K2735

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS015-0206-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:44	3	Encore	4 C	N
	P026-SS015-0206-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:44	1	4 oz glass w/ septum	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:51	3	Encore	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:51	1	4 oz glass w/ septum	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:58	3	Encore	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:58	1	4 oz glass w/ septum	4 C	N
	P026-SS015-1824-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	10:04	9	Encore	4 C	Y
	P026-SS015-1824-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:04	2	4 oz glass w/ septum	4 C	Y
	P026-SS015-1824-02	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	10:04	3	Encore	4 C	N
	P026-SS015-1824-02	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:04	1	4 oz glass w/ septum	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:13	3	Encore	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:13	1	4 oz glass w/ septum	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:25	3	Encore	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:25	1	4 oz glass w/ septum	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:33	3	Encore	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:33	1	4 oz glass w/ septum	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:41	3	Encore	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:41	1	4 oz glass w/ septum	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:50	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	WESTON	5/7/2019 1630		5-8-19 0920	3.7°C / 4.6°C
					IR GUN #1

K2735

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS016-1824-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:50	1	4 oz glass w/ septum	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:56	3	Encore	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:56	1	4 oz glass w/ septum	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:08	3	Encore	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:08	1	4 oz glass w/ septum	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:12	3	Encore	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:12	1	4 oz glass w/ septum	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:16	3	Encore	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:16	1	4 oz glass w/ septum	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:20	3	Encore	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:20	1	4 oz glass w/ septum	4 C	N
	RB-190507	RB-190507	DI Water	TCL VOCs (Aq)	5/7/2019	15:45	2	40 mL VOA	4 C, HCl pH<2	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Wojtek CSTS	5/7/2019 1630		5-8-19 0920	3.7°C / 4.6°C
					IR GUN #1

USEPA
DateShipped: 5/8/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050819-0370-0083-0001
Cooler #: 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS005-0002-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	07:45	3	Encore	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	07:45	1	4 oz glass w/ septum	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	07:48	3	Encore	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	07:48	1	4 oz glass w/ septum	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	07:53	3	Encore	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	07:53	1	4 oz glass w/ septum	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	08:00	3	Encore	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:00	1	4 oz glass w/ septum	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	08:06	3	Encore	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:06	1	4 oz glass w/ septum	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:18	3	Encore	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:18	1	4 oz glass w/ septum	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:23	3	Encore	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:23	1	4 oz glass w/ septum	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:27	3	Encore	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:27	1	4 oz glass w/ septum	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:34	3	Encore	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:34	1	4 oz glass w/ septum	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:40	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Weston RST 3,	5/8/19 1630		5/8/19 1704	2.0C

USEPA
DateShipped: 5/8/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050819-0370-0083-0001
Cooler #: 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS006-1824-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:40	1	4 oz glass w/ septum	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	08:46	3	Encore	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:46	1	4 oz glass w/ septum	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	08:55	3	Encore	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:55	1	4 oz glass w/ septum	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	09:03	3	Encore	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:03	1	4 oz glass w/ septum	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	09:07	3	Encore	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:07	1	4 oz glass w/ septum	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	09:14	3	Encore	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:14	1	4 oz glass w/ septum	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:20	3	Encore	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:20	1	4 oz glass w/ septum	4 C	N
	P021-SS008-0206-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:24	9	Encore	4 C	Y
	P021-SS008-0206-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:24	2	4 oz glass w/ septum	4 C	Y
	P021-SS008-0206-02	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:24	3	Encore	4 C	N
	P021-SS008-0206-02	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:24	1	4 oz glass w/ septum	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:31	3	Encore	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:31	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Weston RST 3, [illegible]	5/8/19 1630			
			[illegible]	5/8/19 1704	2.0°

USEPA
DateShipped: 5/8/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050819-0370-0083-0001
Cooler #: 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS008-1218-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:36	3	Encore	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:36	1	4 oz glass w/ septum	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:40	3	Encore	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:40	1	4 oz glass w/ septum	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	09:50	3	Encore	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:50	1	4 oz glass w/ septum	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	09:56	3	Encore	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:56	1	4 oz glass w/ septum	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	10:04	3	Encore	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:04	1	4 oz glass w/ septum	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	10:12	3	Encore	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:12	1	4 oz glass w/ septum	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL VOCs (Solid)	5/8/2019	10:20	3	Encore	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:20	1	4 oz glass w/ septum	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	TCL VOCs (Solid)	5/8/2019	10:26	3	Encore	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:26	1	4 oz glass w/ septum	4 C	N
	RB-190508	RB-190508	DI Water	TCL VOCs (Aq)	5/8/2019	11:00	2	40 mL VOA	4 C, HCl pH<2	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Weston RST 3	5/8/19 1630			
				5/8/19 1704	2.0c

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD

Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS001-0002-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-02	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0002-02	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-1218-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	WESTON RSB	5/9/2019 900		5-9-19 0935	2.3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 6-7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS002-1218-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	—WESTON RSTS	5/9/2019 900		5-9-19 0935	2.3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 87
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS004-1218-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:13	1	8 oz glass	4 C	N
	P021-SS004-1218-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:13	1	8 oz glass	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:25	1	8 oz glass	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:25	1	8 oz glass	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:45	1	8 oz glass	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:45	1	8 oz glass	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:48	1	8 oz glass	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:48	1	8 oz glass	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:53	1	8 oz glass	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:53	1	8 oz glass	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	08:00	1	8 oz glass	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:00	1	8 oz glass	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	08:06	1	8 oz glass	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:06	1	8 oz glass	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:18	1	8 oz glass	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:18	1	8 oz glass	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:23	1	8 oz glass	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:23	1	8 oz glass	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:27	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyses	[illegible] Weston (CT)	5/9/2019 9:00	[illegible]	5-9-19 0935	2.3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS006-0612-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:27	1	8 oz glass	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:34	1	8 oz glass	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:34	1	8 oz glass	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:40	1	8 oz glass	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:40	1	8 oz glass	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	08:46	1	8 oz glass	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:46	1	8 oz glass	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	08:55	1	8 oz glass	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:55	1	8 oz glass	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:03	1	8 oz glass	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:03	1	8 oz glass	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:07	1	8 oz glass	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:07	1	8 oz glass	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:14	1	8 oz glass	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:14	1	8 oz glass	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:20	1	8 oz glass	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:20	1	8 oz glass	4 C	N
	P021-SS008-0206-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:24	2	8 oz glass	4 C	Y
	P021-SS008-0206-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:24	2	8 oz glass	4 C	Y

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	William RST 3	5/9/2019 900		5-9-19 0935	23°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS008-0206-02	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:24	1	8 oz glass	4 C	N
	P021-SS008-0206-02	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:24	1	8 oz glass	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:31	1	8 oz glass	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:31	1	8 oz glass	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:36	1	8 oz glass	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:36	1	8 oz glass	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:40	1	8 oz glass	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:40	1	8 oz glass	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	09:50	1	8 oz glass	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:50	1	8 oz glass	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	09:56	1	8 oz glass	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:56	1	8 oz glass	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	10:04	1	8 oz glass	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:04	1	8 oz glass	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	10:12	1	8 oz glass	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:12	1	8 oz glass	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	RCRA Metals (Solid)	5/8/2019	10:20	1	8 oz glass	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:20	1	8 oz glass	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	RCRA Metals (Solid)	5/8/2019	10:26	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] - Weston RST3	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS010-0612-01	P021-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:26	1	8 oz glass	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:20	1	8 oz glass	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:20	1	8 oz glass	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:28	1	8 oz glass	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:28	1	8 oz glass	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:35	1	8 oz glass	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:35	1	8 oz glass	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:44	1	8 oz glass	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:44	1	8 oz glass	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:55	1	8 oz glass	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:55	1	8 oz glass	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:05	1	8 oz glass	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:05	1	8 oz glass	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:12	1	8 oz glass	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:12	1	8 oz glass	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:20	1	8 oz glass	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:20	1	8 oz glass	4 C	N
	P026-SS002-1218-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:24	2	8 oz glass	4 C	Y
	P026-SS002-1218-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:24	2	8 oz glass	4 C	Y

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analys	Weston CSTS	5/9/2019 9:00		5-9-19 0935	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS002-1218-02	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:24	1	8 oz glass	4 C	N
	P026-SS002-1218-02	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:24	1	8 oz glass	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:30	1	8 oz glass	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:30	1	8 oz glass	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	12:39	1	8 oz glass	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:39	1	8 oz glass	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	12:44	1	8 oz glass	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:44	1	8 oz glass	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	12:51	1	8 oz glass	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:51	1	8 oz glass	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	13:01	1	8 oz glass	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:01	1	8 oz glass	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	13:06	1	8 oz glass	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:06	1	8 oz glass	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:20	1	8 oz glass	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:20	1	8 oz glass	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:25	1	8 oz glass	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:25	1	8 oz glass	4 C	N
	P026-SS004-0612-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:32	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyzes	Willson CSD	5/9/2019 900		09035 5-9-19	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS004-0612-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:32	1	8 oz glass	4 C	N
	P026-SS004-1218-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:41	1	8 oz glass	4 C	N
	P026-SS004-1218-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:41	1	8 oz glass	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:48	1	8 oz glass	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:48	1	8 oz glass	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	13:53	1	8 oz glass	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:53	1	8 oz glass	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:01	1	8 oz glass	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:01	1	8 oz glass	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:08	1	8 oz glass	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:08	1	8 oz glass	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:15	1	8 oz glass	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:15	1	8 oz glass	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:22	1	8 oz glass	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:22	1	8 oz glass	4 C	N
	P026-SS006-0002-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:34	2	8 oz glass	4 C	Y
	P026-SS006-0002-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:34	2	8 oz glass	4 C	Y
	P026-SS006-0002-02	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:34	1	8 oz glass	4 C	N
	P026-SS006-0002-02	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:34	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] - Weston ASTS	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS006-0206-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:40	1	8 oz glass	4 C	N
	P026-SS006-0206-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:40	1	8 oz glass	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:44	1	8 oz glass	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:44	1	8 oz glass	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:50	1	8 oz glass	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:50	1	8 oz glass	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:57	1	8 oz glass	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:57	1	8 oz glass	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:04	1	8 oz glass	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:04	1	8 oz glass	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:09	1	8 oz glass	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:09	1	8 oz glass	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:16	1	8 oz glass	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:16	1	8 oz glass	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:19	1	8 oz glass	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:19	1	8 oz glass	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:25	1	8 oz glass	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:25	1	8 oz glass	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:31	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	WILLIAMS	5/9/2019 900		5-9-19 0935	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS008-0002-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:31	1	8 oz glass	4 C	N
	P026-SS008-0206-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:40	2	8 oz glass	4 C	Y
	P026-SS008-0206-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:40	2	8 oz glass	4 C	Y
	P026-SS008-0206-02	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:40	1	8 oz glass	4 C	N
	P026-SS008-0206-02	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:40	1	8 oz glass	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:51	1	8 oz glass	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:51	1	8 oz glass	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:58	1	8 oz glass	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:58	1	8 oz glass	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	16:03	1	8 oz glass	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:03	1	8 oz glass	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:07	1	8 oz glass	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:07	1	8 oz glass	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:14	1	8 oz glass	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:14	1	8 oz glass	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:18	1	8 oz glass	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:18	1	8 oz glass	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:21	1	8 oz glass	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:21	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] - Weston ESTS	5/9/2019 900	[signature]	5-9-19 0935	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS009-1824-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:29	1	8 oz glass	4 C	N
	P026-SS009-1824-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:29	1	8 oz glass	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:36	1	8 oz glass	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:36	1	8 oz glass	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:42	1	8 oz glass	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:42	1	8 oz glass	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:50	1	8 oz glass	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:50	1	8 oz glass	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:57	1	8 oz glass	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:57	1	8 oz glass	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	17:02	1	8 oz glass	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:02	1	8 oz glass	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:08	1	8 oz glass	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:08	1	8 oz glass	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	17:15	1	8 oz glass	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:15	1	8 oz glass	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:19	1	8 oz glass	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:19	1	8 oz glass	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] Weston CSTS	5/9/2019 900	[signature]	5-9-19 0935	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS011-1218-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS012-0002-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:02	2	8 oz glass	4 C	Y
	P026-SS012-0002-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:02	2	8 oz glass	4 C	Y
	P026-SS012-0002-02	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:02	1	8 oz glass	4 C	N
	P026-SS012-0002-02	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:02	1	8 oz glass	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:09	1	8 oz glass	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:09	1	8 oz glass	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:15	1	8 oz glass	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:15	1	8 oz glass	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:22	1	8 oz glass	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:22	1	8 oz glass	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:32	1	8 oz glass	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:32	1	8 oz glass	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	RCRA Metals (Solid)	5/7/2019	08:37	1	8 oz glass	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:37	1	8 oz glass	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:42	1	8 oz glass	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:42	1	8 oz glass	4 C	N

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Wilson CSTS	5/9/2019 900		5-9-19 0935	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS013-0612-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:49	1	8 oz glass	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:49	1	8 oz glass	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:54	1	8 oz glass	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:54	1	8 oz glass	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	09:02	1	8 oz glass	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:02	1	8 oz glass	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	09:07	1	8 oz glass	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:07	1	8 oz glass	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:14	1	8 oz glass	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:14	1	8 oz glass	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:21	1	8 oz glass	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:21	1	8 oz glass	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:27	1	8 oz glass	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:27	1	8 oz glass	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:33	1	8 oz glass	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:33	1	8 oz glass	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:39	1	8 oz glass	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:39	1	8 oz glass	4 C	N
	P026-SS015-0206-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:44	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyses	William RSTS	5/9/2019 900		5-9-19 093J	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS015-0206-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:44	1	8 oz glass	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:51	1	8 oz glass	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:51	1	8 oz glass	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:58	1	8 oz glass	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:58	1	8 oz glass	4 C	N
	P026-SS015-1824-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	10:04	2	8 oz glass	4 C	Y
	P026-SS015-1824-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:04	2	8 oz glass	4 C	Y
	P026-SS015-1824-02	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	10:04	1	8 oz glass	4 C	N
	P026-SS015-1824-02	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:04	1	8 oz glass	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:13	1	8 oz glass	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:13	1	8 oz glass	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:25	1	8 oz glass	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:25	1	8 oz glass	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:33	1	8 oz glass	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:33	1	8 oz glass	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:41	1	8 oz glass	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:41	1	8 oz glass	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:50	1	8 oz glass	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:50	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Bottles	[signature] - Wilton ESTS	5/9/2019 900	[signature]	5-9-19 0935	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler ~~#: 8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS017-0002-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:56	1	8 oz glass	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:56	1	8 oz glass	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:08	1	8 oz glass	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:08	1	8 oz glass	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:12	1	8 oz glass	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:12	1	8 oz glass	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:16	1	8 oz glass	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:16	1	8 oz glass	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:20	1	8 oz glass	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:20	1	8 oz glass	4 C	N
	RB-190506	RB-190506	DI Water	PCBs (Aq)	5/6/2019	17:40	1	1 liter amber	4 C	N
	RB-190506	RB-190506	DI Water	RCRA Metals (Aq)	5/6/2019	17:40	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190506	RB-190506	DI Water	TCL SVOCs (Aq)	5/6/2019	17:40	1	1 liter amber	4 C	N
	RB-190507	RB-190507	DI Water	PCBs (Aq)	5/7/2019	15:45	1	1 liter amber	4 C	N
	RB-190507	RB-190507	DI Water	RCRA Metals (Aq)	5/7/2019	15:45	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190507	RB-190507	DI Water	TCL SVOCs (Aq)	5/7/2019	15:45	1	1 liter amber	4 C	N
	RB-190508	RB-190508	DI Water	PCBs (Aq)	5/8/2019	11:00	1	1 liter amber	4 C	N
	RB-190508	RB-190508	DI Water	RCRA Metals (Aq)	5/8/2019	11:00	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190508	RB-190508	DI Water	TCL SVOCs (Aq)	5/8/2019	11:00	1	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	[signature] -Weston RST3	5/9/2019 900	[signature]	5-9-19 0955	2-3°C

Attachment E

Validated Laboratory Analytical Data

Weston Solutions, Inc.
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax: 732-225-7037
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

RST 3-05-F-0094

TRANSMITTAL MEMO

To:	Mr. David Rosoff, On-Scene Coordinator Removal Action Branch U.S. EPA, Region II
From:	Smita Sumbaly, Data Reviewer RST 3, Region II
Subject:	Route 203 Site Data Validation Assessment
Date:	June 5, 2019

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

  TCL PCBs — 141 Samples

- Matrices and Number of Samples

  Soil — 138 Samples
  Rinsate Blanks — 3 Samples

- Sampling Dates: May 6 through 8, 2019

The final data assessment narrative and original analytical data package are attached.

cc:	RST 3 SPM:	Michael Lang
	RST 3 SITE FILE TDD #:	TO-0370-0083
	RST 3 ANALYTICAL TDD #:	TO-0370-0113
	TASK#:	5113

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: June 5, 2019

TO: Mr. David Rosoff, On-Scene Coordinator
U.S. EPA, Region II

FROM: Smita Sumbaly
RST 3 Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to the U.S. Environmental Protection Agency (EPA) standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Holding Time
Instrument Tuning	Calibration, Initial
Internal Standard	Calibration, Continuing
Blanks	Laboratory Control Sample
Surrogate Recovery	Sample Quantification
Compound Identification	

Any statistical measures used to support the following conclusions are attached so that the information may be reviewed by others.

Summary of Results

	TCL PCBs
Acceptable as Submitted	___
Acceptable with Comments	X
Unacceptable, Action Pending	___
Unacceptable	___

Data Reviewed by: Smita Sumbaly Date: 6/5/2019

Approved By: Date: 6/5/2019

Area Code/Phone No.: (732) 585-4410

NARRATIVE

RFP# 514/TASK No.: 5113

SITE NAME: **Route 203 Site**
5225-5239 Route 203
Nassau, Rensselaer County
New York

Laboratory Name: Chemtech Consulting Group, 284 Sheffield Street, Mountainside, New Jersey 07092.

INTRODUCTION:

The laboratory's portion of this case consisted of 138 soil samples and three rinsate blank samples for Target Compound List (TCL) Polychlorinated Biphenyls (PCBs) analysis. All samples were collected from May 6 through 8, 2019. The Chemtech Consulting Group Numbers are K2762, K2763, K2764, K2765, K2766, K2767, K2768, and K2769.

The laboratory reported no problem(s) with the receipt of these samples.

The laboratory reported no problems with the analyses of TCL PCBs.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form Is and chain of custody have been copied from the original data package and appended to the data assessment narrative for reference.

Organic:

_Y_ Holding Time	_Y_ Instrument Tuning
_Y_ Calibration, Initial	_Y_ Internal Standard Response
_Y_ Calibration, Continuing	_Y_ Surrogate Recovery
_Y_ Blanks	_Y_ MS/MSD
_Y_ Laboratory Control Sample	_Y_ Compound Identification/Quantification
_Y_ Field Duplicate	_Y_ Data Completeness

Comments: Refer to Data Assessment Narrative.

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2762 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/15/2019

Verified By: [signature] **Date:** 6/15/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2762				
P021-SS001-0002-01	J2762-01	Soil	TCL PCBs	5/07/2019
P021-SS001-0002-02[1]	J2762-04	Soil	TCL PCBs	5/07/2019
P021-SS001-0206-01	J2762-05	Soil	TCL PCBs	5/07/2019
P021-SS001-0612-01	J2762-06	Soil	TCL PCBs	5/07/2019
P021-SS001-1218-01	J2762-07	Soil	TCL PCBs	5/07/2019
P021-SS001-1824-01	J2762-08	Soil	TCL PCBs	5/07/2019
P021-SS002-0002-01	J2762-09	Soil	TCL PCBs	5/07/2019
P021-SS002-0206-01	J2762-10	Soil	TCL PCBs	5/07/2019
P021-SS002-0612-01	J2762-11	Soil	TCL PCBs	5/07/2019
P021-SS002-1218-01	J2762-12	Soil	TCL PCBs	5/07/2019
P021-SS002-1824-01	J2762-13	Soil	TCL PCBs	5/07/2019
P021-SS003-0002-01	J2762-14	Soil	TCL PCBs	5/07/2019
P021-SS003-0206-01	J2762-15	Soil	TCL PCBs	5/07/2019
P021-SS003-0612-01	J2762-16	Soil	TCL PCBs	5/07/2019
P021-SS003-1218-01	J2762-17	Soil	TCL PCBs	5/07/2019
P021-SS003-1824-01	J2762-18	Soil	TCL PCBs	5/07/2019
P021-SS004-0002-01	J2762-19	Soil	TCL PCBs	5/07/2019
P021-SS004-0206-01	J2762-20	Soil	TCL PCBs	5/07/2019
P021-SS004-0612-01	J2762-21	Soil	TCL PCBs	5/07/2019

[1] A field duplicate of P021-SS001-0002-01

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in both columns for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P021-SS001-0002-02, P021-SS001-0002-02RE, P021-SS001-0206-01, P021-SS001-0206-01RE,
P021-SS002-0206-01, P021-SS002-0206-01RE, P021-SS002-1824-01, P021-SS002-1824-01RE
P021-SS003-0002-01, P021-SS003-0002-01RE, P021-SS003-0206-01, P021-SS003-0206-01RE
P021-SS003-0612-01, P021-SS003-0612-01RE, P021-SS003-1218-01, P021-SS003-1218-01RE
P021-SS004-0002-01, P021-SS004-0002-01RE, P021-SS004-0206-01, P021-SS004-0206-01RE
P021-SS004-0612-01, and P021-SS004-0612-01RE

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P021-SS001-0002-01 was used for MS/MSD analyses. No problems were found for this criterion.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the

concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

All Aroclor results were comparable between sample P021-SS001-1218-01 and its field duplicate P021-SS001-1218-02.

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P021-SS001-0002-02, P021-SS001-0206-01, P021-SS002-0206-01, P021-SS002-1824-01, P021-SS003-0002-01, P021-SS003-0206-01, P021-SS003-0612-01, P021-SS003-1218-01, P021-SS004-0002-01, P021-SS004-0206-01, and P021-SS004-0612-01 were re-analyzed due to low surrogate recoveries in the original analysis. The reanalysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Dilution was performed for sample P021-SS001-1218-01 due to Aroclor-1260 concentration exceeding the calibration range. The undiluted analysis was used for reporting purpose with Aroclor-1260 result taken from the dilution analyses.

- Due to dilution results, the laboratory qualified the associated analyte with D qualifier on Form Is. The data reviewer removed the D qualifiers from the Form Is and initialed the changes.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

P021-SS001-0002-02, P021-SS001-0206-01, P021-SS001-1218-01, P021-SS002-0206-01, P021-SS002-1824-01, P021-SS003-0002-01, P021-SS003-0206-01, P021-SS003-0612-01, P021-SS003-1218-01, P021-SS004-0002-01, P021-SS004-0206-01, and P021-SS004-0612-01

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-0002-01	P021-SS001-0002-02[1]	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01
Lab Sample ID	K2762-01	K2762-04	K2762-05	K2762-06	K2762-07
Sample weight (g)	30.09	30.08	30.12	30.01	30.07
Moisture (%)	20.1	18.8	17.1	15.7	14.2
Dilution Factor	1.0	1.0	1.0	1.0	1.0, *2.0
PCB (ug/kg)					
Aroclor-1016	2.5 U	2.5 UJ	2.4 UJ	2.4 U	2.3 U
Aroclor-1221	8.4 U	8.3 UJ	8.1 UJ	8 U	7.8 U
Aroclor-1232	8.1 U	8 UJ	7.8 UJ	7.7 U	7.6 U
Aroclor-1242	7.3 U	7.2 UJ	7.1 UJ	7 U	6.8 U
Aroclor-1248	6.9 U	6.8 UJ	6.6 UJ	6.5 U	6.4 U
Aroclor-1254	8 U	7.9 UJ	7.7 UJ	7.6 U	7.5 U
Aroclor-1262	6.2 U	6.1 UJ	6 UJ	5.9 U	5.8 U
Aroclor-1268	5.3 U	5.2 UJ	5.1 UJ	5.1 U	5 U
Aroclor-1260	**150**	**160 J**	**220 J**	**360**	***600**

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-1824-01	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01
Lab Sample ID	K2762-08	K2762-09	K2762-10	K2762-11	K2762-12
Sample weight (g)	30.11	30.16	30.06	30.1	30.15
Moisture (%)	15.1	12.7	16.7	11.6	17
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.4 U	2.3 U	2.4 UJ	2.3 U	2.4 U
Aroclor-1221	7.9 U	7.7 U	8 UJ	7.6 U	8.1 U
Aroclor-1232	7.7 U	7.4 U	7.8 UJ	7.4 U	7.8 U
Aroclor-1242	6.9 U	6.7 U	7.1 UJ	6.6 U	7.1 U
Aroclor-1248	6.5 U	6.3 U	6.6 UJ	6.2 U	6.6 U
Aroclor-1254	7.6 U	7.3 U	7.7 UJ	7.3 U	7.7 U
Aroclor-1262	5.9 U	5.7 U	6 UJ	5.6 U	6 U
Aroclor-1268	5 U	4.9 U	5.1 UJ	4.8 U	5.1 U
Aroclor-1260	**320**	**250**	**54.7 J**	**120**	**58.7**

[1] A field duplicate of P021-SS001-0002-01

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS002-1824-01	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01
Lab Sample ID	K2762-13	K2762-14	K2762-15	K2762-16	K2762-17
Sample weight (g)	30.05	30.09	30.14	30.04	30.08
Moisture (%)	20.2	23.3	20.5	21.4	19.4
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.5 UJ	2.6 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Aroclor-1221	8.4 UJ	8.7 UJ	8.4 UJ	8.5 UJ	8.3 UJ
Aroclor-1232	8.2 UJ	8.5 UJ	8.2 UJ	8.3 UJ	8.1 UJ
Aroclor-1242	7.4 UJ	7.7 UJ	7.4 UJ	7.5 UJ	7.3 UJ
Aroclor-1248	6.9 UJ	7.1 UJ	6.9 UJ	7 UJ	6.8 UJ
Aroclor-1254	8.1 UJ	8.4 UJ	8.1 UJ	8.2 UJ	8 UJ
Aroclor-1262	6.2 UJ	6.5 UJ	6.3 UJ	6.3 UJ	6.2 UJ
Aroclor-1268	5.3 UJ	5.5 UJ	5.3 UJ	5.4 UJ	5.3 UJ
Aroclor-1260	**30 J**	6 UJ	5.8 UJ	5.9 UJ	5.7 UJ

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01
Lab Sample ID	K2762-18	K2762-19	K2762-20	K2762-21
Sample weight (g)	30.13	30.03	30.07	30.12
Moisture (%)	18.5	23.6	18.3	12.6
Dilution Factor	1.0	1.0	1.0	1.0
PCB (ug/kg)				
Aroclor-1016	2.4 U	2.6 UJ	2.4 UJ	2.3 UJ
Aroclor-1221	8.2 U	8.8 UJ	8.2 UJ	7.7 UJ
Aroclor-1232	8 U	8.5 UJ	8 UJ	7.4 UJ
Aroclor-1242	7.2 U	7.7 UJ	7.2 UJ	6.7 UJ
Aroclor-1248	6.7 U	7.2 UJ	6.7 UJ	6.3 UJ
Aroclor-1254	7.9 U	8.4 UJ	7.9 UJ	7.3 UJ
Aroclor-1262	6.1 U	6.5 UJ	6.1 UJ	5.7 UJ
Aroclor-1268	5.2 U	5.6 UJ	5.2 UJ	4.9 UJ
Aroclor-1260	5.6 U	6 UJ	5.6 UJ	5.3 UJ

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2762
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P021-SS001-0002-01MS [Decachlorobiphenyl(1) - 50%, Decachlorobiphenyl(2) - 50%], P021-SS001-0002-01MSD [Decachlorobiphenyl(1) - 49%, Decachlorobiphenyl(2) - 49%], P021-SS001-0002-02 [Decachlorobiphenyl(1) - 32%, Decachlorobiphenyl(2) - 31%], P021-SS001-0002-02RE [Decachlorobiphenyl(1) - 35%, Decachlorobiphenyl(2) - 34%], P021-SS001-0206-01 [Decachlorobiphenyl(1) - 50%, Decachlorobiphenyl(2) - 47%], P021-SS001-0206-01RE [Decachlorobiphenyl(1) - 48%, Decachlorobiphenyl(2) - 47%], P021-SS002-0206-01 [Decachlorobiphenyl(1) - 41%, Decachlorobiphenyl(2) - 40%], P021-SS002-0206-01RE [Decachlorobiphenyl(1) - 44%, Decachlorobiphenyl(2) - 39%], P021-SS002-1824-01 [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 54%], P021-SS002-1824-01RE [Decachlorobiphenyl(1) - 59%, Decachlorobiphenyl(2) - 52%], P021-SS003-0002-01 [Decachlorobiphenyl(1) - 50%, Decachlorobiphenyl(2) - 52%], P021-SS003-0002-01RE [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 50%], P021-SS003-0206-01 [Decachlorobiphenyl(1) - 58%, Decachlorobiphenyl(2) - 58%], P021-SS003-0206-01RE [Decachlorobiphenyl(1) - 59%, Decachlorobiphenyl(2) - 54%], P021-SS003-0612-01 [Decachlorobiphenyl(1) - 39%, Decachlorobiphenyl(2) - 40%], P021-SS003-0612-01RE [Decachlorobiphenyl(1) - 40%, Decachlorobiphenyl(2) - 40%], P021-SS003-1218-01 [Decachlorobiphenyl(1) - 40%, Decachlorobiphenyl(2) - 42%], P021-SS003-1218-01RE [Decachlorobiphenyl(1) - 49%, Decachlorobiphenyl(2) - 48%], P021-SS003-1824-01 [Decachlorobiphenyl(1) - 56%, Decachlorobiphenyl(2) -

59%], P021-SS004-0002-01 [Decachlorobiphenyl(1) - 34%, Decachlorobiphenyl(2) - 34%], P021-SS004-0002-01RE [Decachlorobiphenyl(1) - 36%, Decachlorobiphenyl(2) - 36%], P021-SS004-0206-01 [Decachlorobiphenyl(1) - 43%, Decachlorobiphenyl(2) - 45%], P021-SS004-0206-01RE [Decachlorobiphenyl(1) - 45%, Decachlorobiphenyl(2) - 47%], P021-SS004-0612-01 [Decachlorobiphenyl(1) - 37%, Decachlorobiphenyl(2) - 37%], P021-SS004-0612-01RE [Decachlorobiphenyl(1) - 43% and Decachlorobiphenyl(2) - 44%]. All the failing samples for the surrogates were reanalyzed to confirm the results.

The Retention Times were met the requirements for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD met the requirements.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

Sample P021-SS001-1218-01 was diluted due to high concentration AR1260.

E. Additional Comments:

Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%\text{Moisture}}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:02 pm, May 16, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039538.D	1	05/09/19 13:29	05/09/19 23:06	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.2	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.2	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.2	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.2	ug/kg
12672-29-6	Aroclor-1248	6.9	U	6.9	21.2	ug/kg
11097-69-1	Aroclor-1254	8	U	8	21.2	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.2	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.2	ug/kg
11096-82-5	Aroclor-1260	150		5.8	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		10 - 166	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	15		60 - 125	75%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2762
Lab Sample ID:	K2762-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039541.D	1	05/09/19 13:29	05/09/19 23:58	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	20.9	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	20.9	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.9	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.9	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	20.9	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.9	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.9	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.9	ug/kg
11096-82-5	Aroclor-1260	160		5.7	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		10 - 166	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.39	*	60 - 125	32%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02RE	SDG No.:	K2762
Lab Sample ID:	K2762-04RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039568.D	1	05/09/19 13:29	05/10/19 12:37	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	20.9	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	20.9	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.9	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.9	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	20.9	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.9	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.9	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.9	ug/kg
11096-82-5	Aroclor-1260	200		5.7	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.09	*	60 - 125	35%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17.1 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039542.D	1	05/09/19 13:29	05/10/19 00:16	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	220		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		10 - 166	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.92	*	60 - 125	50%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-05RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17.1 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039569.D	1	05/09/19 13:29	05/10/19 12:54	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U J	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	210		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19		10 - 166	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.53	*	60 - 125	48%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.7 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039543.D	1	05/09/19 13:29	05/10/19 00:33	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.2	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.2	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20.2	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.2	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.2	ug/kg
11097-69-1	Aroclor-1254	7.6	U	7.6	20.2	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.2	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.2	ug/kg
11096-82-5	Aroclor-1260	360		5.5	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		60 - 125	68%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039544.D	1	05/09/19 13:29	05/10/19 00:50	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.8	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.8	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.8	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.8	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.8	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.8	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.8	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.8	ug/kg
11096-82-5	Aroclor-1260 * 600	~~530~~	~~E~~	5.4	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24		10 - 166	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		60 - 125	67%	SPK: 20

* 2x DIF: Value transferred from the dilution analysis.

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01DL	SDG No.:	K2762
Lab Sample ID:	K2762-07DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039638.D	2	05/09/19 13:29	05/11/19 10:43	PB119588

Do not use

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.7	UD	4.7	39.5	ug/kg
11104-28-2	Aroclor-1221	15.6	UD	15.6	39.5	ug/kg
11141-16-5	Aroclor-1232	15.2	UD	15.2	39.5	ug/kg
53469-21-9	Aroclor-1242	13.7	UD	13.7	39.5	ug/kg
12672-29-6	Aroclor-1248	12.8	UD	12.8	39.5	ug/kg
11097-69-1	Aroclor-1254	15	UD	15	39.5	ug/kg
37324-23-5	Aroclor-1262	11.6	UD	11.6	39.5	ug/kg
11100-14-4	Aroclor-1268	9.9	UD	9.9	39.5	ug/kg
11096-82-5	Aroclor-1260	600	D	10.7	39.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		60 - 125	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.1 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039545.D	1	05/09/19 13:29	05/10/19 01:08	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	20	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	20	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20	ug/kg
11097-69-1	Aroclor-1254	7.6	U	7.6	20	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20	ug/kg
11100-14-4	Aroclor-1268	5	U	5	20	ug/kg
11096-82-5	Aroclor-1260	320		5.4	20	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		10 - 166	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.2		60 - 125	61%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.7 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039546.D	1	05/09/19 13:29	05/10/19 01:25	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.4	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.4	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.4	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.4	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.4	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.4	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.4	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.4	ug/kg
11096-82-5	Aroclor-1260	250		5.3	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		60 - 125	64%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039547.D	1	05/09/19 13:29	05/10/19 01:43	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U J	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	54.7		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.2		10 - 166	56%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.14	*	60 - 125	41%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-10RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039570.D	1	05/09/19 13:29	05/10/19 13:11	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U J	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	64.4		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.8		10 - 166	64%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.89	*	60 - 125	44%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.6 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039548.D	1	05/09/19 13:29	05/10/19 02:00	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.2	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.2	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.2	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19.2	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.2	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.2	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19.2	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.2	ug/kg
11096-82-5	Aroclor-1260	120		5.2	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	14		60 - 125	70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039549.D	1	05/09/19 13:29	05/10/19 02:18	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	58.7		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		10 - 166	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.2		60 - 125	61%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039550.D	1	05/09/19 13:29	05/10/19 02:35	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	6.9	U	6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	30		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		10 - 166	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8	*	60 - 125	54%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-13RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039571.D	1	05/09/19 13:29	05/10/19 13:29	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	6.9	U	6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	29.2		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		10 - 166	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.8	*	60 - 125	59%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039551.D	1	05/09/19 13:29	05/10/19 02:52	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	22.1	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22.1	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22.1	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.1	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22.1	ug/kg
11097-69-1	Aroclor-1254	8.4	U	8.4	22.1	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22.1	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22.1	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		10 - 166	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.4	*	60 - 125	52%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-14RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039572.D	1	05/09/19 13:29	05/10/19 13:47	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.1	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22.1	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22.1	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.1	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22.1	ug/kg
11097-69-1	Aroclor-1254	8.4	U	8.4	22.1	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22.1	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22.1	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		10 - 166	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9	*	60 - 125	54%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.5 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039552.D	1	05/09/19 13:29	05/10/19 03:09	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	6.9	U	6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	5.8	U	5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		10 - 166	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.7	*	60 - 125	58%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-15RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.5 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039573.D	1	05/09/19 13:29	05/10/19 14:04	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	6.9	U	6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	5.8	U	5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		10 - 166	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.8	*	60 - 125	59%	SPK: 20

③ 5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	21.4 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039553.D	1	05/09/19 13:29	05/10/19 03:27	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.6	ug/kg
11104-28-2	Aroclor-1221	8.5	U	8.5	21.6	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.6	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.6	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.6	ug/kg
11097-69-1	Aroclor-1254	8.2	U	8.2	21.6	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.6	ug/kg
11100-14-4	Aroclor-1268	5.4	U	5.4	21.6	ug/kg
11096-82-5	Aroclor-1260	5.9	U	5.9	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		10 - 166	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.93	*	60 - 125	40%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-16RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	21.4 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039574.D	1	05/09/19 13:29	05/10/19 14:22	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.6	ug/kg
11104-28-2	Aroclor-1221	8.5	U	8.5	21.6	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.6	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.6	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.6	ug/kg
11097-69-1	Aroclor-1254	8.2	U	8.2	21.6	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.6	ug/kg
11100-14-4	Aroclor-1268	5.4	U	5.4	21.6	ug/kg
11096-82-5	Aroclor-1260	5.9	U	5.9	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.8		10 - 166	74%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.02	*	60 - 125	40%	SPK: 20

@ 5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039554.D	1	05/09/19 13:29	05/10/19 03:44	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21	ug/kg
11097-69-1	Aroclor-1254	8	U	8	21	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21	ug/kg
11096-82-5	Aroclor-1260	5.7	U	5.7	21	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		10 - 166	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.32	*	60 - 125	42%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1218-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-17RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not LOC

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039575.D	1	05/09/19 13:29	05/10/19 14:39	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21	ug/kg
11097-69-1	Aroclor-1254	8	U	8	21	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21	ug/kg
11096-82-5	Aroclor-1260	5.7	U	5.7	21	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17		10 - 166	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.74	*	60 - 125	49%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory Inl·louse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.5 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039576.D	1	05/09/19 13:29	05/10/19 14:56	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.8	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.8	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.8	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.8	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.8	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.8	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.8	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.8	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		10 - 166	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.4		60 - 125	67%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039558.D	1	05/09/19 13:29	05/10/19 08:58	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.2	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.2	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22.2	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.2	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.2	ug/kg
11097-69-1	Aroclor-1254	8.4	U	8.4	22.2	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22.2	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.2	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.4		10 - 166	52%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.82	*	60 - 125	34%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-19RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039579.D	1	05/09/19 13:29	05/10/19 15:53	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	22.2	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.2	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22.2	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.2	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.2	ug/kg
11097-69-1	Aroclor-1254	8.4	U	8.4	22.2	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22.2	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.2	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.5		10 - 166	73%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.2	*	60 - 125	36%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-20	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039559.D	1	05/09/19 13:29	05/10/19 09:16	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.8	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.8	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.8	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.8	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.8	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.8	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.8	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.8	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.6		10 - 166	63%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.99	*	60 - 125	45%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory Inl louse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0206-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-20RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039580.D	1	05/09/19 13:29	05/10/19 16:11	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.8	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.8	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.8	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.8	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.8	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.8	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.8	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.8	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		10 - 166	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.3	*	60 - 125	47%	SPK: 20

J

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-21	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.6 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039560.D	1	05/09/19 13:29	05/10/19 09:33	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.4	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.4	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.4	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.4	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.4	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.4	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.4	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.4	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	9.28		10 - 166	46%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.43	*	60 - 125	37%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0612-01RE	SDG No.:	K2762
Lab Sample ID:	K2762-21RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.6 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039581.D	1	05/09/19 13:29	05/10/19 16:28	PB119588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.4	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.4	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.4	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.4	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.4	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.4	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.4	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.4	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		10 - 166	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.89	*	60 - 125	44%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	K2762	**OrderDate:**	5/9/2019 9:48:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2762-01	**P021-SS001-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/09/19	
K2762-04	**P021-SS001-0002-02**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/09/19	
K2762-04RE	**P021-SS001-0002-02RE**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2762-05	**P021-SS001-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2762-05RE	**P021-SS001-0206-01RE**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2762-06	**P021-SS001-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2762-07	**P021-SS001-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2762-07DL	**P021-SS001-1218-01DL**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2762-08	**P021-SS001-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	

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LAB CHRONICLE

K2762-09	P021-SS002-0002-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-10	P021-SS002-0206-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-10RE	P021-SS002-0206-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-11	P021-SS002-0612-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-12	P021-SS002-1218-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-13	P021-SS002-1824-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-13RE	P021-SS002-1824-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-14	P021-SS003-0002-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-14RE	P021-SS003-0002-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-15	P021-SS003-0206-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-15RE	P021-SS003-0206-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-16	P021-SS003-0612-01	SOIL			05/07/19			05/09/19

LAB CHRONICLE

			PCB	8082A		05/09/19	05/10/19	
K2762-16RE	P021-SS003-0612-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-17	P021-SS003-1218-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-17RE	P021-SS003-1218-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-18	P021-SS003-1824-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-19	P021-SS004-0002-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-19RE	P021-SS004-0002-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-20	P021-SS004-0206-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-20RE	P021-SS004-0206-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-21	P021-SS004-0612-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2762-21RE	P021-SS004-0612-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	

K2762

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS001-0002-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-02	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0002-02	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-1218-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analysis	[signature] WESTON ESTS	5/9/2019 900	[signature]	5-9-19 0935	23°C

K2762

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS002-1218-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] -WESTON RST3	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2763 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/5/2019

Verified By: [signature] **Date:** 6/5/2019

On May 7 and 8, 2019, EPA Region II and RST 3 personnel collected 19 soil samples for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2763				
P021-SS004-1218-01	J2763-01	Soil	TCL PCBs	5/07/2019
P021-SS004-1824-01	J2763-02	Soil	TCL PCBs	5/07/2019
P021-SS005-0002-01	J2763-03	Soil	TCL PCBs	5/08/2019
P021-SS005-0206-01	J2763-04	Soil	TCL PCBs	5/08/2019
P021-SS005-0612-01	J2763-05	Soil	TCL PCBs	5/08/2019
P021-SS005-1218-01	J2763-06	Soil	TCL PCBs	5/08/2019
P021-SS005-1824-01	J2763-07	Soil	TCL PCBs	5/08/2019
P021-SS006-0002-01	J2763-08	Soil	TCL PCBs	5/08/2019
P021-SS006-0206-01	J2763-09	Soil	TCL PCBs	5/08/2019
P021-SS006-0612-01	J2763-10	Soil	TCL PCBs	5/08/2019
P021-SS006-1218-01	J2763-11	Soil	TCL PCBs	5/08/2019
P021-SS006-1824-01	J2763-12	Soil	TCL PCBs	5/08/2019
P021-SS007-0002-01	J2763-13	Soil	TCL PCBs	5/08/2019
P021-SS007-0206-01	J2763-14	Soil	TCL PCBs	5/08/2019
P021-SS007-0612-01	J2763-15	Soil	TCL PCBs	5/08/2019
P021-SS007-1218-01	J2763-16	Soil	TCL PCBs	5/08/2019
P021-SS007-1824-01	J2763-17	Soil	TCL PCBs	5/08/2019
P021-SS008-0002-01	J2763-18	Soil	TCL PCBs	5/08/2019
P021-SS008-0206-01[1]	J2763-19	Soil	TCL PCBs	5/08/2019

[1] The associated field duplicate P021-SS008-0206-02 can be found in Chemtech Project # K2764

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one or both columns for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P021-SS005-0002-01, P021-SS005-0002-01RE, P021-SS005-0206-01, P021-SS005-0206-01RE, P021-SS008-0206-01, P021-SS008-0206-01RE, P021-SS006-0002-01, P021-SS006-0206-01, P021-SS006-0612-01, and P021-SS005-0612-01

The surrogate compound DCB recovery is greater than laboratory control limits in samples P021-SS007-1824-01 and P021-SS007-1824-01RE. Since, no aroclors were detected in samples P021-SS007-1824-01 and P021-SS007-1824-01RE, no action was required.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P021-SS008-0206-01 was used for MS/MSD analyses. No problems were found for this criterion.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the

concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The %D of the surrogate tetrachloro-m-xylene (TCMX) exceeded the control limit in three CCVs. Sample results were not qualified for surrogate %Ds outside control limits.

7. FIELD DUPLICATES:

All Aroclor results were comparable between sample P021-SS008-0206-01 and its field duplicate P021-SS008-0206-02 (reported in SDG 2764).

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P021-SS005-0002-01, P021-SS005-0206-01, P021-SS007-1824-01, and P021-SS008-0206-01, were re-analyzed due to low or high surrogate recoveries in the original analysis. The reanalysis also yielded low or high surrogate recoveries. Original samples analyses were used for reporting purpose.

- Laboratory indicated in case narrative that, according to the analytical method, one surrogate is allowed to fail to meet the criteria per column. In samples P021-SS006-0002-01, P021-SS006-0206-01, P021-SS006-0612-01, and P021-SS005-0612-01, only one surrogate is outside the acceptance criteria and lab did not re-analyze the samples.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

P021-SS005-0002-01, P021-SS005-0206-01, P021-SS007-1824-01, and P021-SS008-0206-01

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 7 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS004-1218-01	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01
Lab Sample ID	K2763-01	K2763-02	K2763-03	K2763-04	K2763-05
Sample weight (g)	30.05	30.1	30.16	30.04	30.09
Moisture (%)	13.1	13	23	16	9.6
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.3 U	2.3 U	2.6 UJ	2.4 UJ	2.2 UJ
Aroclor-1221	7.7 U	7.7 U	8.7 UJ	8 UJ	7.4 UJ
Aroclor-1232	7.5 U	7.5 U	8.4 UJ	7.8 UJ	7.2 UJ
Aroclor-1242	6.8 U	6.7 U	7.6 UJ	7 UJ	6.5 UJ
Aroclor-1248	6.3 U	6.3 U	7.1 UJ	6.5 UJ	6.1 UJ
Aroclor-1254	7.4 U	7.4 U	8.3 UJ	7.7 UJ	7.1 UJ
Aroclor-1262	5.7 U	5.7 U	6.4 UJ	5.9 UJ	5.5 UJ
Aroclor-1268	4.9 U	4.9 U	5.5 UJ	5.1 UJ	4.7 UJ
Aroclor-1260	5.3 U	5.3 U	6 UJ	5.5 UJ	5.1 UJ

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01
Lab Sample ID	K2763-06	K2763-07	K2763-08	K2763-09	K2763-10
Sample weight (g)	30.15	30.03	30.08	30.14	30.02
Moisture (%)	8.4	5.6	25.6	15.7	7
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.2 U	2.1 U	2.7 UJ	2.4 UJ	2.2 UJ
Aroclor-1221	7.3 U	7.1 U	9 UJ	7.9 UJ	7.2 UJ
Aroclor-1232	7.1 U	6.9 U	8.7 UJ	7.7 UJ	7 UJ
Aroclor-1242	6.4 U	6.2 U	7.9 UJ	7 UJ	6.3 UJ
Aroclor-1248	6 U	5.8 U	7.4 UJ	6.5 UJ	5.9 UJ
Aroclor-1254	7 U	6.8 U	8.6 UJ	7.6 UJ	6.9 UJ
Aroclor-1262	5.4 U	5.3 U	6.7 UJ	5.9 UJ	5.4 UJ
Aroclor-1268	4.6 U	4.5 U	5.7 UJ	5 UJ	4.6 UJ
Aroclor-1260	5 U	4.9 U	6.2 UJ	5.4 UJ	5 UJ

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS006-1218-01	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01
Lab Sample ID	K2763-11	K2763-12	K2763-13	K2763-14	K2763-15
Sample weight (g)	30.07	30.13	30.01	30.06	30.12
Moisture (%)	8.2	6.8	21.8	23.4	18
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.2 U	2.1 U	2.6 U	2.6 U	2.4 U
Aroclor-1221	7.3 U	7.2 U	8.6 U	8.8 U	8.2 U
Aroclor-1232	7.1 U	7 U	8.3 U	8.5 U	7.9 U
Aroclor-1242	6.4 U	6.3 U	7.5 U	7.7 U	7.2 U
Aroclor-1248	6 U	5.9 U	7 U	7.2 U	6.7 U
Aroclor-1254	7 U	6.9 U	8.2 U	8.4 U	7.8 U
Aroclor-1262	5.4 U	5.3 U	6.4 U	6.5 U	6.1 U
Aroclor-1268	4.6 U	4.6 U	5.5 U	5.6 U	5.2 U
Aroclor-1260	5 U	4.9 U	5.9 U	6 U	5.6 U

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS007-1218-01	P021-SS007-1824-01	P021-SS008-0002-01	P021-SS008-0206-01[1]
Lab Sample ID	K2762-16	K2762-17	K2762-18	K2762-19
Sample weight (g)	30.16	30.05	30.11	30.15
Moisture (%)	16.7	9.7	26.7	18.5
Dilution Factor	1.0	1.0	1.0	1.0
PCB (ug/kg)				
Aroclor-1016	2.4 U	2.2 U	2.7 U	2.4 UJ
Aroclor-1221	8 U	7.4 U	9.1 U	8.2 UJ
Aroclor-1232	7.8 U	7.2 U	8.9 U	8 UJ
Aroclor-1242	7 U	6.5 U	8 U	7.2 UJ
Aroclor-1248	6.6 U	6.1 U	7.5 U	6.7 UJ
Aroclor-1254	7.7 U	7.1 U	8.8 U	7.9 UJ
Aroclor-1262	6 U	5.5 U	6.8 U	6.1 UJ
Aroclor-1268	5.1 U	4.7 U	5.8 U	5.2 UJ
Aroclor-1260	5.5 U	5.1 U	22 J	5.6 UJ

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

[1]Associated field duplicate P021-SS008-0206-02 (reported in SDG# K2764)

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2763
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document. the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P021-SS005-0002-01 [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 49%],
P021-SS005-0002-01RE [Decachlorobiphenyl(1) - 58%, Decachlorobiphenyl(2) - 51%],
P021-SS005-0206-01 [Decachlorobiphenyl(1) - 51%, Decachlorobiphenyl(2) - 47%],
P021-SS005-0206-01RE [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 47%],
P021-SS005-0612-01 [Decachlorobiphenyl(2) - 54%],
P021-SS006-0002-01 [Decachlorobiphenyl(2) - 58%],
P021-SS006-0206-01 [Decachlorobiphenyl(2) - 58%],
P021-SS006-0612-01 [Decachlorobiphenyl(2) - 58%],
P021-SS007-1824-01 [Decachlorobiphenyl(1) - 141%, Decachlorobiphenyl(2) - 127%],
P021-SS007-1824-01RE [Decachlorobiphenyl(1) - 131%, Decachlorobiphenyl(2) - 129%],
P021-SS008-0206-01 [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 46%],
P021-SS008-0206-01RE [Decachlorobiphenyl(1) - 54% and Decachlorobiphenyl(2) - 46%].AS per method one surrogate allowed to fail to meet the criteria per column.
No further corrective action was taken. All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.

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The MSD recoveries met the acceptable requirements.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PQ039676.D met the requirements except for Tetrachloro-m-xylene is failing in second column. It is passing in first column.

The Continuous Calibration File ID PQ039703.D, PQ039705.D met the requirements except for Tetrachloro-m-xylene is failing in first column but it is passing in second column

E. Additional Comments:
Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%Moisture}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 4:37 pm, May 16, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039679.D	1	05/10/19 10:35	05/12/19 02:43	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.5	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.5	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.5	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.5	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.5	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.5	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.5	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.5	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		10 - 166	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		60 - 125	70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039680.D	1	05/10/19 10:35	05/12/19 03:00	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.5	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.5	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.5	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.5	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.5	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.5	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.5	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.5	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.6		10 - 166	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 125	78%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039681.D	1	05/10/19 10:35	05/12/19 03:18	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	22	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	22	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	22	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	22	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		10 - 166	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.6	*	60 - 125	53%	SPK: 20

J

Comments:

5/17/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01RE	SDG No.:	K2763
Lab Sample ID:	K2763-03RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039709.D	1	05/10/19 10:35	05/12/19 15:25	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	22	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	22	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	22	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	22	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	22	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		10 - 166	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.6	*	60 - 125	58%	SPK: 20

SS 5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039682.D	1	05/10/19 10:35	05/12/19 03:35	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U J	2.4	20.2	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.2	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.2	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.2	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.2	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.2	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.2	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.2	ug/kg
11096-82-5	Aroclor-1260	5.5	U	5.5	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		10 - 166	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.2	*	60 - 125	51%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01RE	SDG No.:	K2763
Lab Sample ID:	K2763-04RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039710.D	1	05/10/19 10:35	05/12/19 15:42	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U J	2.4	20.2	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.2	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.2	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.2	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.2	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.2	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.2	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.2	ug/kg
11096-82-5	Aroclor-1260	5.5	U	5.5	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		10 - 166	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8	*	60 - 125	54%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	9.6 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039711.D	1	05/10/19 10:35	05/12/19 15:59	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U J	2.2	18.7	ug/kg
11104-28-2	Aroclor-1221	7.4	U	7.4	18.7	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.7	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.7	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.7	ug/kg
11097-69-1	Aroclor-1254	7.1	U	7.1	18.7	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.7	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.7	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		10 - 166	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.4		60 - 125	62%	SPK: 20

@ 5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/08/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P021-SS005-1218-01		SDG No.:	K2763	
Lab Sample ID:	K2763-06		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	8.4	Decanted:
Sample Wt/Vol:	30.15	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039684.D	1	05/10/19 10:35	05/12/19 04:10	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.5	ug/kg
11104-28-2	Aroclor-1221	7.3	U	7.3	18.5	ug/kg
11141-16-5	Aroclor-1232	7.1	U	7.1	18.5	ug/kg
53469-21-9	Aroclor-1242	6.4	U	6.4	18.5	ug/kg
12672-29-6	Aroclor-1248	6	U	6	18.5	ug/kg
11097-69-1	Aroclor-1254	7	U	7	18.5	ug/kg
37324-23-5	Aroclor-1262	5.4	U	5.4	18.5	ug/kg
11100-14-4	Aroclor-1268	4.6	U	4.6	18.5	ug/kg
11096-82-5	Aroclor-1260	5	U	5	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26		10 - 166	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		60 - 125	74%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	5.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039685.D	1	05/10/19 10:35	05/12/19 04:27	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.1	U	2.1	18	ug/kg
11104-28-2	Aroclor-1221	7.1	U	7.1	18	ug/kg
11141-16-5	Aroclor-1232	6.9	U	6.9	18	ug/kg
53469-21-9	Aroclor-1242	6.2	U	6.2	18	ug/kg
12672-29-6	Aroclor-1248	5.8	U	5.8	18	ug/kg
11097-69-1	Aroclor-1254	6.8	U	6.8	18	ug/kg
37324-23-5	Aroclor-1262	5.3	U	5.3	18	ug/kg
11100-14-4	Aroclor-1268	4.5	U	4.5	18	ug/kg
11096-82-5	Aroclor-1260	4.9	U	4.9	18	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.2		10 - 166	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 125	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	25.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039686.D	1	05/10/19 10:35	05/12/19 04:45	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.7	U	2.7	22.8	ug/kg
11104-28-2	Aroclor-1221	9	U	9	22.8	ug/kg
11141-16-5	Aroclor-1232	8.7	U	8.7	22.8	ug/kg
53469-21-9	Aroclor-1242	7.9	U	7.9	22.8	ug/kg
12672-29-6	Aroclor-1248	7.4	U	7.4	22.8	ug/kg
11097-69-1	Aroclor-1254	8.6	U	8.6	22.8	ug/kg
37324-23-5	Aroclor-1262	6.7	U	6.7	22.8	ug/kg
11100-14-4	Aroclor-1268	5.7	U	5.7	22.8	ug/kg
11096-82-5	Aroclor-1260	6.2	U	6.2	22.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.6		10 - 166	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	13		60 - 125	65%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.7 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039687.D	1	05/10/19 10:35	05/12/19 05:02	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.1	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	20.1	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20.1	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.1	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.1	ug/kg
11097-69-1	Aroclor-1254	7.6	U	7.6	20.1	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.1	ug/kg
11100-14-4	Aroclor-1268	5	U	5	20.1	ug/kg
11096-82-5	Aroclor-1260	5.4	U	5.4	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		10 - 166	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.3		60 - 125	66%	SPK: 20

BS 5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039688.D	1	05/10/19 10:35	05/12/19 05:20	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U J	2.2	18.3	ug/kg
11104-28-2	Aroclor-1221	7.2	U	7.2	18.3	ug/kg
11141-16-5	Aroclor-1232	7	U	7	18.3	ug/kg
53469-21-9	Aroclor-1242	6.3	U	6.3	18.3	ug/kg
12672-29-6	Aroclor-1248	5.9	U	5.9	18.3	ug/kg
11097-69-1	Aroclor-1254	6.9	U	6.9	18.3	ug/kg
37324-23-5	Aroclor-1262	5.4	U	5.4	18.3	ug/kg
11100-14-4	Aroclor-1268	4.6	U	4.6	18.3	ug/kg
11096-82-5	Aroclor-1260	5	U	5	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.8		10 - 166	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		60 - 125	68%	SPK: 20

5/17/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	8.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039689.D	1	05/10/19 10:35	05/12/19 05:37	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.5	ug/kg
11104-28-2	Aroclor-1221	7.3	U	7.3	18.5	ug/kg
11141-16-5	Aroclor-1232	7.1	U	7.1	18.5	ug/kg
53469-21-9	Aroclor-1242	6.4	U	6.4	18.5	ug/kg
12672-29-6	Aroclor-1248	6	U	6	18.5	ug/kg
11097-69-1	Aroclor-1254	7	U	7	18.5	ug/kg
37324-23-5	Aroclor-1262	5.4	U	5.4	18.5	ug/kg
11100-14-4	Aroclor-1268	4.6	U	4.6	18.5	ug/kg
11096-82-5	Aroclor-1260	5	U	5	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		10 - 166	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		60 - 125	68%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	6.8 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039690.D	1	05/10/19 10:35	05/12/19 05:55	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.1	U	2.1	18.2	ug/kg
11104-28-2	Aroclor-1221	7.2	U	7.2	18.2	ug/kg
11141-16-5	Aroclor-1232	7	U	7	18.2	ug/kg
53469-21-9	Aroclor-1242	6.3	U	6.3	18.2	ug/kg
12672-29-6	Aroclor-1248	5.9	U	5.9	18.2	ug/kg
11097-69-1	Aroclor-1254	6.9	U	6.9	18.2	ug/kg
37324-23-5	Aroclor-1262	5.3	U	5.3	18.2	ug/kg
11100-14-4	Aroclor-1268	4.6	U	4.6	18.2	ug/kg
11096-82-5	Aroclor-1260	4.9	U	4.9	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		10 - 166	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		60 - 125	89%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	21.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039693.D	1	05/10/19 10:35	05/12/19 07:57	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	21.7	ug/kg
11104-28-2	Aroclor-1221	8.6	U	8.6	21.7	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.7	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.7	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.7	ug/kg
11097-69-1	Aroclor-1254	8.2	U	8.2	21.7	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.7	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.7	ug/kg
11096-82-5	Aroclor-1260	5.9	U	5.9	21.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	29.7		10 - 166	149%	SPK: 20
2051-24-3	Decachlorobiphenyl	19		60 - 125	95%	SPK: 20

Comments:

U = Not Detected
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23.4 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039694.D	1	05/10/19 10:35	05/12/19 08:14	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.1	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.1	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22.1	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.1	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.1	ug/kg
11097-69-1	Aroclor-1254	8.4	U	8.4	22.1	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22.1	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.1	ug/kg
11096-82-5	Aroclor-1260	6	U	6	22.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	29		10 - 166	145%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		60 - 125	108%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039695.D	1	05/10/19 10:35	05/12/19 08:32	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.6	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.6	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.6	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.6	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.6	ug/kg
11097-69-1	Aroclor-1254	7.8	U	7.8	20.6	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.6	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.6	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.7		10 - 166	134%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 125	118%	SPK: 20

Comments:

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.7 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039696.D	1	05/10/19 10:35	05/12/19 08:49	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.3	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.3	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.3	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.3	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.3	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.3	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.3	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.3	ug/kg
11096-82-5	Aroclor-1260	5.5	U	5.5	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.5		10 - 166	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		60 - 125	117%	SPK: 20

Comments:

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	9.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039697.D	1	05/10/19 10:35	05/12/19 09:07	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.8	ug/kg
11104-28-2	Aroclor-1221	7.4	U	7.4	18.8	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.8	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.8	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.8	ug/kg
11097-69-1	Aroclor-1254	7.1	U	7.1	18.8	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.8	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.8	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	30		10 - 166	150%	SPK: 20
2051-24-3	Decachlorobiphenyl	28.2	*	60 - 125	141%	SPK: 20

Comments:

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01RE	SDG No.:	K2763
Lab Sample ID:	K2763-17RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	9.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039739.D	1	05/10/19 10:35	05/13/19 18:11	PB119608

DO NOT USE

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.8	ug/kg
11104-28-2	Aroclor-1221	7.4	U	7.4	18.8	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.8	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.8	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.8	ug/kg
11097-69-1	Aroclor-1254	7.1	U	7.1	18.8	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.8	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.8	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.8		10 - 166	139%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.3	*	60 - 125	131%	SPK: 20

5/17/19

Comments:

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	26.7 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039698.D	1	05/10/19 10:35	05/12/19 09:24	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.7	U	2.7	23.1	ug/kg
11104-28-2	Aroclor-1221	9.1	U	9.1	23.1	ug/kg
11141-16-5	Aroclor-1232	8.9	U	8.9	23.1	ug/kg
53469-21-9	Aroclor-1242	8	U	8	23.1	ug/kg
12672-29-6	Aroclor-1248	7.5	U	7.5	23.1	ug/kg
11097-69-1	Aroclor-1254	8.8	U	8.8	23.1	ug/kg
37324-23-5	Aroclor-1262	6.8	U	6.8	23.1	ug/kg
11100-14-4	Aroclor-1268	5.8	U	5.8	23.1	ug/kg
11096-82-5	Aroclor-1260	22	J	6.3	23.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	29.6		10 - 166	148%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 125	98%	SPK: 20

Comments:

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.5 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039699.D	1	05/10/19 10:35	05/12/19 09:41	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.8	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.8	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.8	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.8	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.8	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.8	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.8	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.8	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		10 - 166	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.5	*	60 - 125	53%	SPK: 20

5/17/19

Comments:

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01RE	SDG No.:	K2763
Lab Sample ID:	K2763-19RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.5 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039715.D	1	05/10/19 10:35	05/12/19 17:09	PB119608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.8	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.8	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.8	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.8	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.8	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.8	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.8	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.8	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		10 - 166	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8	*	60 - 125	54%	SPK: 20

(6) 5/17/19

Comments:

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() = Laboratory InHouse Limit

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2763	OrderDate:	5/9/2019 9:51:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2763-01	P021-SS004-1218-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-02	P021-SS004-1824-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-03	P021-SS005-0002-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-03RE	P021-SS005-0002-01RE	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-04	P021-SS005-0206-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-04RE	P021-SS005-0206-01RE	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-05	P021-SS005-0612-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-06	P021-SS005-1218-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-07	P021-SS005-1824-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	

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K2763-08	P021-SS006-0002-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-09	P021-SS006-0206-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-10	P021-SS006-0612-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-11	P021-SS006-1218-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-12	P021-SS006-1824-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-13	P021-SS007-0002-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-14	P021-SS007-0206-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-15	P021-SS007-0612-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-16	P021-SS007-1218-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-17	P021-SS007-1824-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-17RE	P021-SS007-1824-01RE	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/13/19	
K2763-18	P021-SS008-0002-01	SOIL			05/08/19			05/09/19

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			PCB	8082A		05/10/19	05/12/19	
K2763-19	P021-SS008-0206-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	
K2763-19RE	P021-SS008-0206-01RE	SOIL			05/08/19			05/09/19
			PCB	8082A		05/10/19	05/12/19	

K2763

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 87
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS004-1218-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:13	1	8 oz glass	4 C	N
	P021-SS004-1218-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:13	1	8 oz glass	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:25	1	8 oz glass	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:25	1	8 oz glass	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:45	1	8 oz glass	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:45	1	8 oz glass	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:48	1	8 oz glass	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:48	1	8 oz glass	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:53	1	8 oz glass	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:53	1	8 oz glass	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	08:00	1	8 oz glass	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:00	1	8 oz glass	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	08:06	1	8 oz glass	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:06	1	8 oz glass	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:18	1	8 oz glass	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:18	1	8 oz glass	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:23	1	8 oz glass	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:23	1	8 oz glass	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:27	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Weston RST3	5/9/2019 900		5-9-19 0935	2.3°C

K2763

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS006-0612-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:27	1	8 oz glass	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:34	1	8 oz glass	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:34	1	8 oz glass	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:40	1	8 oz glass	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:40	1	8 oz glass	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	08:46	1	8 oz glass	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:46	1	8 oz glass	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	08:55	1	8 oz glass	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:55	1	8 oz glass	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:03	1	8 oz glass	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:03	1	8 oz glass	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:07	1	8 oz glass	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:07	1	8 oz glass	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:14	1	8 oz glass	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:14	1	8 oz glass	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:20	1	8 oz glass	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:20	1	8 oz glass	4 C	N
	P021-SS008-0206-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:24	2	8 oz glass	4 C	Y
	P021-SS008-0206-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:24	2	8 oz glass	4 C	Y

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Wilm RST 3	5/9/2019 900		5-9-19 0935	23°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2764 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer
Signature: Smita Sumbaly **Date:** 6/5/2019

Verified By: [signature] **Date:** 6/5/2019

On May 6 and 8, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2764				
P021-SS008-0206-02[1]	J2764-01	Soil	TCL PCBs	5/08/2019
P021-SS008-0612-01	J2764-02	Soil	TCL PCBs	5/08/2019
P021-SS008-1218-01	J2764-03	Soil	TCL PCBs	5/08/2019
P021-SS008-1824-01	J2764-04	Soil	TCL PCBs	5/08/2019
P021-SS009-0002-01	J2764-05	Soil	TCL PCBs	5/08/2019
P021-SS009-0206-01	J2764-06	Soil	TCL PCBs	5/08/2019
P021-SS009-0612-01	J2764-07	Soil	TCL PCBs	5/08/2019
P021-SS010-0002-01	J2764-08	Soil	TCL PCBs	5/08/2019
P021-SS010-0206-01	J2764-09	Soil	TCL PCBs	5/08/2019
P021-SS010-0612-01	J2764-10	Soil	TCL PCBs	5/08/2019
P026-SS001-0002-01	J2764-11	Soil	TCL PCBs	5/06/2019
P026-SS001-0206-01	J2764-12	Soil	TCL PCBs	5/06/2019
P026-SS001-0612-01	J2764-13	Soil	TCL PCBs	5/06/2019
P026-SS001-1218-01	J2764-14	Soil	TCL PCBs	5/06/2019
P026-SS001-1824-01	J2764-15	Soil	TCL PCBs	5/06/2019
P026-SS002-0002-01	J2764-16	Soil	TCL PCBs	5/06/2019
P026-SS002-0206-01	J2764-17	Soil	TCL PCBs	5/06/2019
P026-SS002-0612-01	J2764-18	Soil	TCL PCBs	5/06/2019
P026-SS002-1218-01[2]	J2764-19	Soil	TCL PCBs	5/06/2019

[1] The associated field sample P021-SS008-0206-01 can be found in Chemtech Project # K2763
[2] The associated field duplicate P026-SS002-1218-02 can be found in Chemtech Project # K2765

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one or both columns for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P021-SS008-0206-02, P021-SS008-0206-02RE, P021-SS009-0002-01, P021-SS009-0002-01RE, P021-SS009-0206-01, P021-SS009-0206-01RE, P021-SS009-0612-01, P021-SS009-0612-01RE, P026-SS002-0002-01, P021-SS002-0002-01RE, P026-SS002-0206-01, P026-SS002-0206-01RE, P026-SS002-0612-01, P026-SS002-0612-01RE, and P021-SS010-0002-01

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS002-1218-01 was used for MS/MSD analyses which yielded low MS/MSD recoveries for Aroclor-1260. Detected Aroclor-1260 was qualified as estimated (J) in sample P026-SS002-1218-01.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The %D of the surrogate DCB exceeded the control limit in one CCV. Sample results were not qualified for surrogate %Ds outside control limits.

7. FIELD DUPLICATES:

All Aroclor results were comparable between sample P021-SS008-0206-01 (reported in SDG 2763) and its field duplicate P021-SS008-0206-02.

For field sample P026-SS002-1218-01 the field duplicate sample is P026-SS002-1218-02 (associated with SDG# K2765): The relative percent differences (RPDs) were greater than (>) 50% for Aroclor-1248 and Aroclor-1254, thus qualified as estimated (J) in sample P026-SS002-1218-01. Aroclor-1248 and Aroclor-1254 were previously qualified in field duplicate P026-SS002-1218-02 due to non-compliance surrogate recoveries, no further action was required.

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

As per SW-846 Method 8000C, if the analyte concentration between two columns was less than or equal to (≤) 40%, report the lower concentration; however, the EPA Region II SOP No. HW-45 (Revision 1.1), December 2010 uses less than (<) 25% as criterion for data evaluation.

Aroclors were detected on both GC columns in the following samples, and the percent difference between the two results was > 25% but < 200%, thus estimated (J).

Aroclor-1248 (J) – P026-SS001-0002-01
Aroclor-1248 (J) – P026-SS001-0206-01
Aroclor-1254 (J) – P026-SS002-0002-01
Aroclor-1248 (J) – P026-SS002-0206-01[1]

[1] Sample was previously qualified due to non-compliance surrogate recoveries, no further action was required.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P021-SS008-0206-02, P021-SS009-0002-01, P021-SS009-0206-01, P021-SS009-0612-01, P026-SS002-0002-01, P026-SS002-0206-01, and P026-SS002-0612-01, were re-analyzed due to low surrogate recoveries in the original analysis. The reanalysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Laboratory indicated in case narrative that, according to the analytical method, one surrogate is allowed to fail to meet the criteria per column. In sample P021-SS010-0002-01, only one surrogate is outside the acceptance criteria and lab did not re-analyze the sample.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

P021-SS008-0206-02, P021-SS009-0002-01, P021-SS009-0206-01, P021-SS009-0612-01, P026-SS002-0002-01, P026-SS002-0206-01, and P026-SS002-0612-01

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS008-0206-02[1]	P021-SS008-0612-01	P021-SS008-1218-01	P021-SS008-1824-01	P021-SS009-0002-01
Lab Sample ID	K2764-01	K2764-02	K2764-03	K2764-04	K2764-05
Sample weight (g)	30.05	30.11	30.16	30.04	30.1
Moisture (%)	14.5	13	12.5	15.1	32.8
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.3 UJ	2.3 U	2.3 U	2.4 U	3 UJ
Aroclor-1221	7.8 UJ	7.7 U	7.6 U	7.9 U	10 UJ
Aroclor-1232	7.6 UJ	7.5 U	7.4 U	7.7 U	9.7 UJ
Aroclor-1242	6.9 UJ	6.7 U	6.7 U	6.9 U	8.7 UJ
Aroclor-1248	6.4 UJ	6.3 U	6.3 U	6.5 U	**44.8 J**
Aroclor-1254	7.5 UJ	7.4 U	7.3 U	7.6 U	9.6 UJ
Aroclor-1262	5.8 UJ	5.7 U	5.7 U	5.9 U	7.4 UJ
Aroclor-1268	5 UJ	4.9 U	4.8 U	5 U	6.3 UJ
Aroclor-1260	5.4 UJ	5.3 U	5.2 U	5.4 U	**190 J**

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01
Lab Sample ID	K2764-06	K2764-07	K2764-08	K2764-09	K2764-10
Sample weight (g)	30.15	30.03	30.09	30.14	30.02
Moisture (%)	20.6	20.2	20.6	14.9	11.9
Dilution Factor	1.0	1.0	1.0	1.0, *20	1.0
PCB (ug/kg)					
Aroclor-1016	2.5 UJ	2.5 UJ	2.5 U	2.3 U	2.3 U
Aroclor-1221	8.4 UJ	8.4 UJ	8.4 U	7.9 U	7.6 U
Aroclor-1232	8.2 UJ	8.2 UJ	8.2 U	7.6 U	7.4 U
Aroclor-1242	7.4 UJ	7.4 UJ	7.4 U	6.9 U	6.7 U
Aroclor-1248	**32.9 J**	**26.8 J**	**26.4**	***1400**	**12.7 J**
Aroclor-1254	8.1 UJ	8.1 UJ	8.1 U	7.5 U	7.3 U
Aroclor-1262	6.3 UJ	6.2 UJ	6.3 U	5.8 U	5.7 U
Aroclor-1268	5.3 UJ	5.3 UJ	5.4 U	5 U	4.8 U
Aroclor-1260	**190 J**	**120 J**	**140**	***5000**	**27.9**

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

[1]Associated field sample P021-SS008-0206-01 (reported in SDG# K2763)

Bolded result - Detected Value

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01
Lab Sample ID	K2764-11	K2764-12	K2764-13	K2764-14	K2764-15
Sample weight (g)	30.08	30.13	30.01	30.07	30.12
Moisture (%)	14.9	10.3	7.8	10.6	11.7
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
Aroclor-1221	7.9 U	7.5 U	7.3 U	7.5 U	7.6 U
Aroclor-1232	7.6 U	7.2 U	7.1 U	7.3 U	7.4 U
Aroclor-1242	6.9 U	6.5 U	6.4 U	6.6 U	6.6 U
Aroclor-1248	**79.7 J**	**34.2 J**	6 U	6.1 U	6.2 U
Aroclor-1254	**85**	**26.8**	7 U	7.2 U	7.3 U
Aroclor-1262	5.9 U	5.5 U	5.4 U	5.6 U	5.6 U
Aroclor-1268	5 U	4.7 U	4.6 U	4.8 U	4.8 U
Aroclor-1260	5.4 U	5.1 U	5 U	5.1 U	5.2 U

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01
Lab Sample ID	K2764-16	K2764-17	K2764-18	K2764-19
Sample weight (g)	30.16	30.06	30.11	30.15
Moisture (%)	28.3	22.6	20.1	19.8
Dilution Factor	1.0	1.0	1.0	1.0
PCB (ug/kg)				
Aroclor-1016	2.8 UJ	2.6 UJ	2.5 UJ	2.5 U
Aroclor-1221	9.3 UJ	8.7 UJ	8.4 UJ	8.3 U
Aroclor-1232	9 UJ	8.4 UJ	8.1 UJ	8.1 U
Aroclor-1242	8.2 UJ	7.6 UJ	7.3 UJ	7.3 U
Aroclor-1248	**81.2 J**	**110 J**	**180 J**	6.8 UJ
Aroclor-1254	**110 J**	**100 J**	**160 J**	8 UJ
Aroclor-1262	6.9 UJ	6.4 UJ	6.2 UJ	6.2 U
Aroclor-1268	5.9 UJ	5.5 UJ	5.3 UJ	5.3 U
Aroclor-1260	**77.6 J**	**79.2 J**	**69.2 J**	**21.9**

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2764
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for;
P021-SS008-0206-02 [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 54%],
P021-SS008-0206-02RE [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 57%],
P021-SS009-0002-01 [Decachlorobiphenyl(1) - 39%, Decachlorobiphenyl(2) - 38%],
P021-SS009-0002-01RE [Decachlorobiphenyl(1) - 37%, Decachlorobiphenyl(2) - 37%],
P021-SS009-0206-01 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 44%],
P021-SS009-0206-01RE [Decachlorobiphenyl(1) - 45%, Decachlorobiphenyl(2) - 46%],
P021-SS009-0612-01 [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 52%],
P021-SS009-0612-01RE [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 54%],
P021-SS010-0002-01 [Decachlorobiphenyl(2) - 58%],
P026-SS002-0002-01 [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 50%],
P026-SS002-0002-01RE [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 50%],
P026-SS002-0206-01 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 44%],
P026-SS002-0206-01RE [Decachlorobiphenyl(1) - 44%, Decachlorobiphenyl(2) - 42%],
P026-SS002-0612-01 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 45%],
P026-SS002-0612-01RE [Decachlorobiphenyl(1) - 43% and Decachlorobiphenyl(2) - 45%]. All the samples failing for surrogates were reanalyzed to confirm the results.

The Retention Times were acceptable for all samples.

The MS {K2764-20MS} with File ID: PQ039641.D recoveries met the requirements for all compounds except for AR1260[48%].

The MSD {K2764-21MSD} with File ID: PQ039642.D recoveries met the acceptable requirements except for AR1260[41%] .

The RPD met the requirements.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PQ039776.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing on the second column. This Continuous Calibration is only associated with the blank spike which meets the surrogate criteria. No further corrective action was taken.

Sample P021-SS010-0206-01 was diluted due to high concentration.

E. Additional Comments:
Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%\text{Moisture}}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 4:29 pm, May 16, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2764
Lab Sample ID:	K2764-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039587.D	1	05/09/19 14:59	05/10/19 18:13	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U J	2.3	19.9	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.9	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.9	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.9	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.9	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.9	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.9	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.9	ug/kg
11096-82-5	Aroclor-1260	5.4	U	5.4	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		10 - 166	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8	*	60 - 125	54%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02RE	SDG No.:	K2764
Lab Sample ID:	K2764-01RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

Do not use

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039618.D	1	05/09/19 14:59	05/11/19 04:23	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U J	2.3	19.9	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.9	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.9	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.9	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.9	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.9	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.9	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.9	ug/kg
11096-82-5	Aroclor-1260	5.4	U	5.4	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		10 - 166	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.3	*	60 - 125	57%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039588.D	1	05/09/19 14:59	05/10/19 18:31	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.5	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.5	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.5	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.5	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.5	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.5	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.5	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.5	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		10 - 166	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.6		60 - 125	68%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.5 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039589.D	1	05/09/19 14:59	05/10/19 18:48	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.3	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.3	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.3	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.3	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.3	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.3	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.3	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.3	ug/kg
11096-82-5	Aroclor-1260	5.2	U	5.2	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		10 - 166	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		60 - 125	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.1 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039590.D	1	05/09/19 14:59	05/10/19 19:05	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	20	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	20	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20	ug/kg
11097-69-1	Aroclor-1254	7.6	U	7.6	20	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20	ug/kg
11100-14-4	Aroclor-1268	5	U	5	20	ug/kg
11096-82-5	Aroclor-1260	5.4	U	5.4	20	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.7		10 - 166	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		60 - 125	78%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc		Date Collected:	05/08/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P021-SS009-0002-01		SDG No.:	K2764	
Lab Sample ID:	K2764-05		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	32.8	Decanted:
Sample Wt/Vol:	30.1 Units: g		Final Vol:	10000	uL
Soil Aliquot Vol:	uL		Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039591.D	1	05/09/19 14:59	05/10/19 19:22	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3	U J	3	25.2	ug/kg
11104-28-2	Aroclor-1221	10	U	10	25.2	ug/kg
11141-16-5	Aroclor-1232	9.7	U	9.7	25.2	ug/kg
53469-21-9	Aroclor-1242	8.7	U	8.7	25.2	ug/kg
12672-29-6	Aroclor-1248	44.8		8.2	25.2	ug/kg
11097-69-1	Aroclor-1254	9.6	U	9.6	25.2	ug/kg
37324-23-5	Aroclor-1262	7.4	U	7.4	25.2	ug/kg
11100-14-4	Aroclor-1268	6.3	U	6.3	25.2	ug/kg
11096-82-5	Aroclor-1260	190		6.8	25.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.6		10 - 166	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.7	*	60 - 125	39%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0002-01RE	SDG No.:	K2764
Lab Sample ID:	K2764-05RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	32.8 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

DO NOT USE

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039622.D	1	05/09/19 14:59	05/11/19 05:33	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3	U J	3	25.2	ug/kg
11104-28-2	Aroclor-1221	10	U	10	25.2	ug/kg
11141-16-5	Aroclor-1232	9.7	U	9.7	25.2	ug/kg
53469-21-9	Aroclor-1242	8.7	U	8.7	25.2	ug/kg
12672-29-6	Aroclor-1248	49.6		8.2	25.2	ug/kg
11097-69-1	Aroclor-1254	9.6	U	9.6	25.2	ug/kg
37324-23-5	Aroclor-1262	7.4	U	7.4	25.2	ug/kg
11100-14-4	Aroclor-1268	6.3	U	6.3	25.2	ug/kg
11096-82-5	Aroclor-1260	190		6.8	25.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.45	*	60 - 125	37%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.6 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039592.D	1	05/09/19 14:59	05/10/19 19:40	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	32.9		6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	190		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.5		10 - 166	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.27	*	60 - 125	46%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01RE	SDG No.:	K2764
Lab Sample ID:	K2764-06RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.6 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039623.D	1	05/09/19 14:59	05/11/19 05:51	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	36.2		6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	180		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.4		10 - 166	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.18	*	60 - 125	46%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039593.D	1	05/09/19 14:59	05/10/19 19:57	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	26.8		6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	120		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		10 - 166	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9	*	60 - 125	54%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01RE	SDG No.:	K2764
Lab Sample ID:	K2764-07RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

Do not use

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039624.D	1	05/09/19 14:59	05/11/19 06:09	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	33.2		6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	130		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		10 - 166	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.7	*	60 - 125	54%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.6 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039625.D	1	05/09/19 14:59	05/11/19 06:26	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	26.4		6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	8.1	U	8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.3	ug/kg
11100-14-4	Aroclor-1268	5.4	U	5.4	21.3	ug/kg
11096-82-5	Aroclor-1260	140		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.2		60 - 125	61%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.9 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039597.D	1	05/09/19 14:59	05/10/19 21:41	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.9	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	19.9	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.9	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.9	ug/kg
12672-29-6	Aroclor-1248 * 1400	~~1100~~	~~E~~	6.4	19.9	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.9	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.9	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.9	ug/kg
11096-82-5	Aroclor-1260 * 5000	~~4400~~	~~E~~	5.4	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		10 - 166	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	15		60 - 125	75%	SPK: 20

* Results transferred from the 20x DIF

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-09DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.9 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

FileID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039639.D	20	05/09/19 14:59	05/11/19 11:00	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	46.9	UD	46.9	400	ug/kg
11104-28-2	Aroclor-1221	160	UD	160	400	ug/kg
11141-16-5	Aroclor-1232	150	UD	150	400	ug/kg
53469-21-9	Aroclor-1242	140	UD	140	400	ug/kg
12672-29-6	Aroclor-1248	1400	D	130	400	ug/kg
11097-69-1	Aroclor-1254	150	UD	150	400	ug/kg
37324-23-5	Aroclor-1262	120	UD	120	400	ug/kg
11100-14-4	Aroclor-1268	99.7	UD	99.7	400	ug/kg
11096-82-5	Aroclor-1260	5000	D	110	400	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 125	89%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.9 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039598.D	1	05/09/19 14:59	05/10/19 21:59	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.3	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.3	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.3	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.3	ug/kg
12672-29-6	Aroclor-1248	12.7	J	6.2	19.3	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.3	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.3	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.3	ug/kg
11096-82-5	Aroclor-1260	27.9		5.2	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.2		10 - 166	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.4		60 - 125	72%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.9 Decanted
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039599.D	1	05/09/19 14:59	05/10/19 22:16	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.9	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	19.9	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.9	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.9	ug/kg
12672-29-6	Aroclor-1248	79.7	~~P~~ J	6.4	19.9	ug/kg
11097-69-1	Aroclor-1254	85		7.5	19.9	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	19.9	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.9	ug/kg
11096-82-5	Aroclor-1260	5.4	U	5.4	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		10 - 166	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		60 - 125	79%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.3 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039600.D	1	05/09/19 14:59	05/10/19 22:33	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.9	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	18.9	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.9	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.9	ug/kg
12672-29-6	Aroclor-1248	34.2	~~P~~ J	6.1	18.9	ug/kg
11097-69-1	Aroclor-1254	26.8		7.2	18.9	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.9	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.9	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		10 - 166	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		60 - 125	81%	SPK: 20

BS 5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	7.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039601.D	1	05/09/19 14:59	05/10/19 22:51	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.4	ug/kg
11104-28-2	Aroclor-1221	7.3	U	7.3	18.4	ug/kg
11141-16-5	Aroclor-1232	7.1	U	7.1	18.4	ug/kg
53469-21-9	Aroclor-1242	6.4	U	6.4	18.4	ug/kg
12672-29-6	Aroclor-1248	6	U	6	18.4	ug/kg
11097-69-1	Aroclor-1254	7	U	7	18.4	ug/kg
37324-23-5	Aroclor-1262	5.4	U	5.4	18.4	ug/kg
11100-14-4	Aroclor-1268	4.6	U	4.6	18.4	ug/kg
11096-82-5	Aroclor-1260	5	U	5	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		10 - 166	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 125	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039602.D	1	05/09/19 14:59	05/10/19 23:08	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	19	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	19	ug/kg
11141-16-5	Aroclor-1232	7.3	U	7.3	19	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	19	ug/kg
11097-69-1	Aroclor-1254	7.2	U	7.2	19	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	19	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19		10 - 166	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		60 - 125	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.7 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039603.D	1	05/09/19 14:59	05/10/19 23:26	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.2	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.2	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.2	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19.2	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.2	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.2	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19.2	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.2	ug/kg
11096-82-5	Aroclor-1260	5.2	U	5.2	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		10 - 166	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 125	78%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	28.3 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039604.D	1	05/09/19 14:59	05/10/19 23:44	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.8	U J	2.8	23.6	ug/kg
11104-28-2	Aroclor-1221	9.3	U	9.3	23.6	ug/kg
11141-16-5	Aroclor-1232	9	U	9	23.6	ug/kg
53469-21-9	Aroclor-1242	8.2	U	8.2	23.6	ug/kg
12672-29-6	Aroclor-1248	81.2		7.6	23.6	ug/kg
11097-69-1	Aroclor-1254	110	P	8.9	23.6	ug/kg
37324-23-5	Aroclor-1262	6.9	U	6.9	23.6	ug/kg
11100-14-4	Aroclor-1268	5.9	U	5.9	23.6	ug/kg
11096-82-5	Aroclor-1260	77.6		6.4	23.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.8		10 - 166	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.4	*	60 - 125	52%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01RE	SDG No.:	K2764
Lab Sample ID:	K2764-16RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	28.3 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039631.D	1	05/09/19 14:59	05/11/19 08:19	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.8	U J	2.8	23.6	ug/kg
11104-28-2	Aroclor-1221	9.3	U	9.3	23.6	ug/kg
11141-16-5	Aroclor-1232	9	U	9	23.6	ug/kg
53469-21-9	Aroclor-1242	8.2	U	8.2	23.6	ug/kg
12672-29-6	Aroclor-1248	86.4		7.6	23.6	ug/kg
11097-69-1	Aroclor-1254	130		8.9	23.6	ug/kg
37324-23-5	Aroclor-1262	6.9	U	6.9	23.6	ug/kg
11100-14-4	Aroclor-1268	5.9	U	5.9	23.6	ug/kg
11096-82-5	Aroclor-1260	91.7		6.4	23.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		10 - 166	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.3	*	60 - 125	52%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol.:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039605.D	1	05/09/19 14:59	05/11/19 00:01	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	21.9	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	21.9	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	21.9	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	21.9	ug/kg
12672-29-6	Aroclor-1248	110	P	7.1	21.9	ug/kg
11097-69-1	Aroclor-1254	100		8.3	21.9	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.9	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.9	ug/kg
11096-82-5	Aroclor-1260	79.2		5.9	21.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.14	*	60 - 125	46%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01RE	SDG No.:	K2764
Lab Sample ID:	K2764-17RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039632.D	1	05/09/19 14:59	05/11/19 08:37	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	21.9	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	21.9	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	21.9	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	21.9	ug/kg
12672-29-6	Aroclor-1248	88.2		7.1	21.9	ug/kg
11097-69-1	Aroclor-1254	110		8.3	21.9	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.9	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.9	ug/kg
11096-82-5	Aroclor-1260	82.9		5.9	21.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		10 - 166	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.83	*	60 - 125	44%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/06/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS002-0612-01		SDG No.:	K2764	
Lab Sample ID:	K2764-18		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	20.1	Decanted:
Sample Wt/Vol:	30.11 Units: g		Final Vol:	10000	uL
Soil Aliquot Vol:	uL		Test:	PCB	
Extraction Type:			Injection Volume:		
GPC Factor:	1.0	PH:			

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039606.D	1	05/09/19 14:59	05/11/19 00:18	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.2	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.2	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.2	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.2	ug/kg
12672-29-6	Aroclor-1248	180		6.9	21.2	ug/kg
11097-69-1	Aroclor-1254	160		8	21.2	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.2	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.2	ug/kg
11096-82-5	Aroclor-1260	69.2		5.7	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		10 - 166	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.22	*	60 - 125	46%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0612-01RE	SDG No.:	K2764
Lab Sample ID:	K2764-18RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	20.1 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

DO NOT USE

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039633.D	1	05/09/19 14:59	05/11/19 08:54	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.2	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.2	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.2	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.2	ug/kg
12672-29-6	Aroclor-1248	160		6.9	21.2	ug/kg
11097-69-1	Aroclor-1254	150		8	21.2	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.2	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.2	ug/kg
11096-82-5	Aroclor-1260	67.9		5.7	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.6		10 - 166	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.06	*	60 - 125	45%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.8 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039640.D	1	05/09/19 14:59	05/11/19 11:18	PB119595

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.1	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21.1	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.1	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.1	ug/kg
12672-29-6	Aroclor-1248	6.8	U J	6.8	21.1	ug/kg
11097-69-1	Aroclor-1254	8	U J	8	21.1	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.1	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.1	ug/kg
11096-82-5	Aroclor-1260	21.9		5.7	21.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		10 - 166	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.5		60 - 125	63%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2764	**OrderDate:**	5/9/2019 9:51:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2764-01	**P021-SS008-0206-02**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2764-01RE	**P021-SS008-0206-02RE**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-02	**P021-SS008-0612-01**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2764-03	**P021-SS008-1218-01**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2764-04	**P021-SS008-1824-01**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2764-05	**P021-SS009-0002-01**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2764-05RE	**P021-SS009-0002-01RE**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-06	**P021-SS009-0206-01**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/10/19	
K2764-06RE	**P021-SS009-0206-01RE**	**SOIL**			**05/08/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	

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LAB CHRONICLE

K2764-07	P021-SS009-0612-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-07RE	P021-SS009-0612-01RE	SOIL			05/08/19			05/09/19
			PCB	8082A		05/09/19	05/11/19	
K2764-08	P021-SS010-0002-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/09/19	05/11/19	
K2764-09	P021-SS010-0206-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-09DL	P021-SS010-0206-01DL	SOIL			05/08/19			05/09/19
			PCB	8082A		05/09/19	05/11/19	
K2764-10	P021-SS010-0612-01	SOIL			05/08/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-11	P026-SS001-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-12	P026-SS001-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-13	P026-SS001-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-14	P026-SS001-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-15	P026-SS001-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	
K2764-16	P026-SS002-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/09/19	05/10/19	

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LAB CHRONICLE

K2764-16RE	**P026-SS002-0002-01RE**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-17	**P026-SS002-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-17RE	**P026-SS002-0206-01RE**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-18	**P026-SS002-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-18RE	**P026-SS002-0612-01RE**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	
K2764-19	**P026-SS002-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/09/19	05/11/19	

K2764

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS008-0206-02	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:24	1	8 oz glass	4 C	N
	P021-SS008-0206-02	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:24	1	8 oz glass	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:31	1	8 oz glass	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:31	1	8 oz glass	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:36	1	8 oz glass	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:36	1	8 oz glass	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:40	1	8 oz glass	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:40	1	8 oz glass	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	09:50	1	8 oz glass	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:50	1	8 oz glass	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	09:56	1	8 oz glass	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:56	1	8 oz glass	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	10:04	1	8 oz glass	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:04	1	8 oz glass	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	10:12	1	8 oz glass	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:12	1	8 oz glass	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	RCRA Metals (Solid)	5/8/2019	10:20	1	8 oz glass	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:20	1	8 oz glass	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	RCRA Metals (Solid)	5/8/2019	10:26	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analysis	[signature] - William RSTS	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

K2764

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS010-0612-01	P021-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:26	1	8 oz glass	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:20	1	8 oz glass	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:20	1	8 oz glass	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:28	1	8 oz glass	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:28	1	8 oz glass	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:35	1	8 oz glass	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:35	1	8 oz glass	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:44	1	8 oz glass	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:44	1	8 oz glass	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:55	1	8 oz glass	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:55	1	8 oz glass	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:05	1	8 oz glass	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:05	1	8 oz glass	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:12	1	8 oz glass	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:12	1	8 oz glass	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:20	1	8 oz glass	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:20	1	8 oz glass	4 C	N
	P026-SS002-1218-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:24	2	8 oz glass	4 C	Y
	P026-SS002-1218-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:24	2	8 oz glass	4 C	Y

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyte	Weston RSTI	5/9/2019 900		5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax: 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2765 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/5/2019

Verified By: [signature] **Date:** 6/5/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including two field duplicates for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2765				
P026-SS002-1218-02[1]	J2765-01	Soil	TCL PCBs	5/06/2019
P026-SS002-1824-01	J2765-02	Soil	TCL PCBs	5/06/2019
P026-SS003-0002-01	J2765-03	Soil	TCL PCBs	5/06/2019
P026-SS003-0206-01	J2765-04	Soil	TCL PCBs	5/06/2019
P021-SS003-0612-01	J2765-05	Soil	TCL PCBs	5/06/2019
P021-SS003-1218-01	J2765-06	Soil	TCL PCBs	5/06/2019
P021-SS003-1824-01	J2765-07	Soil	TCL PCBs	5/06/2019
P021-SS004-0002-01	J2765-08	Soil	TCL PCBs	5/06/2019
P021-SS004-0206-01	J2765-09	Soil	TCL PCBs	5/06/2019
P021-SS004-0612-01	J2765-10	Soil	TCL PCBs	5/06/2019
P026-SS004-1218-01	J2765-11	Soil	TCL PCBs	5/06/2019
P026-SS004-1824-01	J2765-12	Soil	TCL PCBs	5/06/2019
P026-SS005-0002-01	J2765-13	Soil	TCL PCBs	5/06/2019
P026-SS005-0206-01	J2765-14	Soil	TCL PCBs	5/06/2019
P026-SS005-0612-01	J2765-15	Soil	TCL PCBs	5/06/2019
P026-SS005-1218-01	J2765-16	Soil	TCL PCBs	5/06/2019
P026-SS005-1824-01	J2765-17	Soil	TCL PCBs	5/06/2019
P026-SS006-0002-01	J2765-18	Soil	TCL PCBs	5/06/2019
P026-SS006-0002-02[2]	J2765-21	Soil	TCL PCBs	5/06/2019

[1] The associated field sample P026-SS002-1218-01 can be found in Chemtech Project # K2764
[2] A field duplicate of P026-SS006-0002-01

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one or both columns for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P026-SS002-1218-02, P026-SS002-1218-02RE, P026-SS003-0002-01, P026-SS003-0002-01RE, P021-SS003-0206-01, P026-SS003-0206-01RE, P026-SS003-0612-01, P026-SS003-0612-01RE, P026-SS006-0002-01, P021-SS006-0002-01DL, P026-SS006-0002-02, P026-SS006-0002-02DL, and P026-SS005-0206-01

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS006-0002-01 was used for MS/MSD analyses. The recoveries of Aroclor-1016 and Aroclor-1260 exceeded the laboratory control limits. The relative percent differences (RPDs) of Aroclor-1016 and Aroclor-1260 exceeded the laboratory control limit of 20%. Aroclor-1016 was not detected in the unspiked sample. Based on the high spike recovery of Aroclor-1016 in the MS and MSD and the non-detected result in the unspiked sample, no data qualifiers were required. Since detected Aroclor-1260 was previously qualified due to non-compliance surrogate recoveries, no further action was required.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation

or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The %D of the surrogate tetrachloro-m-xylene (TCMX) exceeded the control limit in two CCVs. Sample results were not qualified for surrogate %Ds outside control limits.

7. FIELD DUPLICATES:

For field sample P026-SS002-1218-01 (associated with SDG# K2764) the field duplicate sample is P026-SS002-1218-02: The RPDs were greater than (>) 50% for Aroclor-1248 and Aroclor-1254, thus qualified as estimated (J) in sample P026-SS002-1218-01. Aroclor-1248 and Aroclor-1254 were previously qualified in field duplicate P026-SS002-1218-02 due to non-compliance surrogate recoveries, no further action was required.

Field duplicate sample pair P026-SS006-0002-01//P026-SS006-0002-02 yielded comparable results.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

As per SW-846 Method 8000C, if the analyte concentration between two columns was less than or equal to (≤40) %, report the lower concentration; however, the EPA Region II SOP No. HW-45 (Revision 1.1), December 2010 uses less than (<) 25% as criterion for data evaluation.

Aroclors were detected on both GC columns in the following samples, and the percent difference between the two results was > 25% but < 200%, thus estimated (J).

Aroclor-1248 (J) – P026-SS002-1218-02[1]
Aroclor-1260 (J) – P026-SS004-0002-01
Aroclor-1260 (J) – P026-SS005-1218-01

[1] Sample was previously qualified due to non-compliance surrogate recoveries, no further action was required.

The following sample has percent difference (%D) between analyte results exceeding 50% and the result is below contract required quantitation limit (CRQL). Detected compound is qualified U. Reported sample concentration has been elevated to the CRQL.

Aroclor-1248 (U at the CRQL) - P026-SS004-0206-01

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P026-SS002-1218-02, P026-SS003-0002-01, P021-SS003-0206-01, P026-SS003-0612-01, P026-SS006-0002-01, and P026-SS006-0002-02, were re-analyzed or diluted due to low surrogate recoveries in the original analysis. The reanalysis/dilution also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Laboratory indicated in case narrative that, according to the analytical method, one surrogate is allowed to fail to meet the criteria per column. In sample P026-SS005-0206-01, only one surrogate is outside the acceptance criteria and lab did not re-analyze the sample.

- A 4-times (4x) and 5x dilutions were performed for samples P026-SS006-0002-01 and P026-SS006-0002-02 respectively, due to Aroclor-1260 concentration exceeding the calibration range in the undiluted analysis. The undiluted analysis was used for reporting purpose with Aroclor-1260 results taken from the dilution analyses.

- Due to dilution results, the laboratory qualified the associated analyte with D qualifier on Form Is. The data reviewer removed the D qualifiers from the Form Is and initialed the changes.

- **12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:**
  Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

  P026-SS002-1218-02, P026-SS003-0002-01, P026-SS003-0206-01, P026-SS003-0612-01, P026-SS006-0002-01, and P026-SS006-0002-02

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P026-SS013-0612-01, P026-SS013-1218-01, P026-SS013-1824-01, and P026-SS016-0002-01, were re-analyzed due to low surrogate recoveries in the original analysis. The reanalysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Samples P026-SS014-0002-01 and P026-SS014-1218-01, had low surrogate recoveries. These samples were diluted due to Aroclor-1260 concentrations exceeding the calibration range in the undiluted sample analyses. The dilution analysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose, except Aroclor-1260 which was reported from the diluted analyses of these samples

- Laboratory indicated in case narrative that, according to method, one surrogate is allowed to fail to meet the criteria per column. In samples P026-SS016-1218-01 and P026-SS015-0002-01, only one surrogate is outside the acceptance criteria and lab did not re-analyze the sample.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

Dilution (noted in parentheses) were performed for the following samples due to Aroclor-1260 concentrations exceeding the calibration range in the undiluted sample analyses: P026-SS014-0002-01 5-times (5x), P026-SS014-0206-01(5x), P026-SS014-0612-01(4x), and P026-SS014-1218-01(4x). All Aroclors except Aroclor-1260 were reported from the undiluted analyses of these samples in order to report the lowest possible reporting limits. Aroclor-1260 was reported from the diluted analyses of these samples. Due to dilution results, the laboratory qualified the associated analytes with "D" qualifiers. The "D" qualifiers were removed during validation.

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-1218-02[1]	P026-SS002-1824-01	P026-SS003-0002-01	P026-SS003-0206-01	P026-SS003-0612-01
Lab Sample ID	K2765-01	K2765-02	K2765-03	K2765-04	K2765-05
Sample weight (g)	30.06	30.1	30.15	30.05	30.08
Moisture (%)	19.6	15.8	30.2	22.9	24
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.5 UJ	2.4 U	2.9 UJ	2.6 UJ	2.6 UJ
Aroclor-1221	8.3 UJ	8 U	9.6 UJ	8.7 UJ	8.8 UJ
Aroclor-1232	8.1 UJ	7.7 U	9.3 UJ	8.4 UJ	8.6 UJ
Aroclor-1242	7.3 UJ	7 U	8.4 UJ	7.6 UJ	7.7 UJ
Aroclor-1248	**13.6 J**	**20.2**	7.8 UJ	7.1 UJ	7.2 UJ
Aroclor-1254	**23.7 J**	**39.8**	9.2 UJ	8.3 UJ	8.5 UJ
Aroclor-1262	6.2 UJ	5.9 U	7.1 UJ	6.5 UJ	6.6 UJ
Aroclor-1268	5.3 UJ	5 U	6.1 UJ	5.5 UJ	5.6 UJ
Aroclor-1260	**29.8 J**	**40.5**	**230 J**	**290 J**	**190 J**

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01	P026-SS004-0612-01
Lab Sample ID	K2765-06	K2765-07	K2765-08	K2765-09	K2765-10
Sample weight (g)	30.12	30.01	30.07	30.1	30.14
Moisture (%)	23.8	22.8	17.1	10	7.5
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.6 U	2.6 U	2.4 U	2.2 U	2.2 U
Aroclor-1221	8.8 U	8.7 U	8.1 U	7.4 U	7.2 U
Aroclor-1232	8.5 U	8.4 U	7.8 U	7.2 U	7 U
Aroclor-1242	7.7 U	7.6 U	7.1 U	6.5 U	6.3 U
Aroclor-1248	7.2 U	7.1 U	**20.9**	18.8 U	5.9 U
Aroclor-1254	8.4 U	8.3 U	**31.8**	**16.3 J**	6.9 U
Aroclor-1262	6.5 U	6.5 U	6 U	5.5 U	5.4 U
Aroclor-1268	5.6 U	5.5 U	5.1 U	4.7 U	4.6 U
Aroclor-1260	**57.1**	**11.8 J**	**27 J**	**14.1 J**	5 U

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

[1]A field sample P026-SS002-1218-01 (associated with SDG# K2764)

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01	P026-SS005-0206-01	P026-SS005-0612-01
Lab Sample ID	K2765-11	K2765-12	K2765-13	K2765-14	K2765-15
Sample weight (g)	30.03	30.09	30.12	30.16	30.05
Moisture (%)	11.4	12.5	20.6	15.2	17.6
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.3 U	2.3 U	2.5 U	2.3 UJ	2.4 U
Aroclor-1221	7.6 U	7.7 U	8.4 U	7.9 UJ	8.1 U
Aroclor-1232	7.4 U	7.4 U	8.2 U	7.6 UJ	7.9 U
Aroclor-1242	6.6 U	6.7 U	7.4 U	6.9 UJ	7.1 U
Aroclor-1248	6.2 U	6.3 U	**87.5**	**35.9 J**	6.7 U
Aroclor-1254	7.3 U	7.3 U	**140**	**59.9 J**	7.8 U
Aroclor-1262	5.6 U	5.7 U	6.3 U	5.9 UJ	6 U
Aroclor-1268	4.8 U	4.9 U	5.3 U	5 UJ	5.2 U
Aroclor-1260	5.2 U	5.3 U	**120**	**70.7 J**	**120**

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02[1]
Lab Sample ID	K2765-16	K2765-17	K2765-18	K2765-21
Sample weight (g)	30.11	30.14	30.02	30.16
Moisture (%)	14.6	16.5	24	19.3
Dilution Factor	1.0	1.0	1.0, *4.0	1.0, *5.0
PCB (ug/kg)				
Aroclor-1016	2.3 U	2.4 U	2.6 UJ	2.5 UJ
Aroclor-1221	7.8 U	8 U	8.8 UJ	8.3 UJ
Aroclor-1232	7.6 U	7.8 U	8.6 UJ	8 UJ
Aroclor-1242	6.9 U	7 U	7.7 UJ	7.3 UJ
Aroclor-1248	6.4 U	6.6 U	7.2 UJ	6.8 UJ
Aroclor-1254	7.5 U	7.7 U	8.5 UJ	7.9 UJ
Aroclor-1262	5.8 U	6 U	6.6 UJ	6.2 UJ
Aroclor-1268	5 U	5.1 U	5.6 UJ	5.3 UJ
Aroclor-1260	**59.6 J**	**51.8**	***1500 J**	***1700 J**

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2765
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P026-SS002-1218-02 [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 51%],
P026-SS002-1218-02RE [Decachlorobiphenyl(1) - 47%, Decachlorobiphenyl(2) - 48%],
P026-SS003-0002-01 [Decachlorobiphenyl(1) - 55%, Decachlorobiphenyl(2) - 56%],
P026-SS003-0002-01RE [Decachlorobiphenyl(1) - 51%, Decachlorobiphenyl(2) - 50%],
P026-SS003-0206-01 [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 53%],
P026-SS003-0206-01RE [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 51%],
P026-SS003-0612-01 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 48%],
P026-SS003-0612-01RE [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 45%],
P026-SS005-0206-01 [Decachlorobiphenyl(2) - 57%],
P026-SS006-0002-01 [Decachlorobiphenyl(1) - 57%, Decachlorobiphenyl(2) - 49%],
P026-SS006-0002-01DL [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 36%],
P026-SS006-0002-02 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 39%]
,P026-SS006-0002-02DL [Decachlorobiphenyl(2) - 49%].

Due to the high concentration of AR1260 on the samples the Decachlorobiphenyl is suspected to have matrix interference and the data is released based on the recovery of TCMX. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS {K2765-19MS} with File ID: PQ039667.D recoveries met the requirements for all compounds except for AR1016 [194%], AR1260 [686%].
The MSD {K2765-20MSD} with File ID: PQ039668.D recoveries met the acceptable requirements except for AR1016 [252%], AR1260 [1030%].
The RPD for {K2765-20MSD} with File ID: PQ039668.D met criteria except for AR1016 [26%], AR1260[40%] due to the high concentration of AR1260.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PQ039676.D met the requirements except for Tetrachloro-m-xylene is failing in second column but it is passing in first column..

The Continuous Calibration File ID PQ039705.D met the requirements except for Tetrachloro-m-xylene is failing in first column.

Samples P026-SS006-0002-01, P026-SS006-0002-02 was diluted due to high concentrations.

E.
Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%\text{Moisture}}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 12:48 pm, May 17, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2765
Lab Sample ID:	K2765-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039647.D	1	05/11/19 07:56	05/11/19 13:25	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.1	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21.1	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.1	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.1	ug/kg
12672-29-6	Aroclor-1248	13.6	JP	6.8	21.1	ug/kg
11097-69-1	Aroclor-1254	23.7		8	21.1	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.1	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.1	ug/kg
11096-82-5	Aroclor-1260	29.8		5.7	21.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		10 - 166	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.7	*	60 - 125	53%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02RE	SDG No.:	K2765
Lab Sample ID:	K2765-01RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039670.D	1	05/11/19 07:56	05/11/19 22:57	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.1	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21.1	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.1	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.1	ug/kg
12672-29-6	Aroclor-1248	14.4	J	6.8	21.1	ug/kg
11097-69-1	Aroclor-1254	25.4		8	21.1	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.1	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.1	ug/kg
11096-82-5	Aroclor-1260	29		5.7	21.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		10 - 166	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.64	*	60 - 125	48%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.8 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039648.D	1	05/11/19 07:56	05/11/19 13:43	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.1	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.1	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20.1	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.1	ug/kg
12672-29-6	Aroclor-1248	20.2		6.5	20.1	ug/kg
11097-69-1	Aroclor-1254	39.8		7.6	20.1	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.1	ug/kg
11100-14-4	Aroclor-1268	5	U	5	20.1	ug/kg
11096-82-5	Aroclor-1260	40.5		5.5	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		10 - 166	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		60 - 125	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	30.2 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039649.D	1	05/11/19 07:56	05/11/19 14:00	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.9	U	2.9	24.2	ug/kg
11104-28-2	Aroclor-1221	9.6	U	9.6	24.2	ug/kg
11141-16-5	Aroclor-1232	9.3	U	9.3	24.2	ug/kg
53469-21-9	Aroclor-1242	8.4	U	8.4	24.2	ug/kg
12672-29-6	Aroclor-1248	7.8	U	7.8	24.2	ug/kg
11097-69-1	Aroclor-1254	9.2	U	9.2	24.2	ug/kg
37324-23-5	Aroclor-1262	7.1	U	7.1	24.2	ug/kg
11100-14-4	Aroclor-1268	6.1	U	6.1	24.2	ug/kg
11096-82-5	Aroclor-1260	230		6.6	24.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		10 - 166	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.1	*	60 - 125	56%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0002-01RE	SDG No.:	K2765
Lab Sample ID:	K2765-03RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	30.2 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol.:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

DO NOT USE

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039671.D	1	05/11/19 07:56	05/11/19 23:15	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.9	U J	2.9	24.2	ug/kg
11104-28-2	Aroclor-1221	9.6	U	9.6	24.2	ug/kg
11141-16-5	Aroclor-1232	9.3	U	9.3	24.2	ug/kg
53469-21-9	Aroclor-1242	8.4	U	8.4	24.2	ug/kg
12672-29-6	Aroclor-1248	7.8	U	7.8	24.2	ug/kg
11097-69-1	Aroclor-1254	9.2	U	9.2	24.2	ug/kg
37324-23-5	Aroclor-1262	7.1	U	7.1	24.2	ug/kg
11100-14-4	Aroclor-1268	6.1	U	6.1	24.2	ug/kg
11096-82-5	Aroclor-1260	190		6.6	24.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.2		10 - 166	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.2	*	60 - 125	51%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.9 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039650.D	1	05/11/19 07:56	05/11/19 14:17	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	22	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	22	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	22	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22	ug/kg
11096-82-5	Aroclor-1260	290		6	22	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		10 - 166	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.6	*	60 - 125	53%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0206-01RE	SDG No.:	K2765
Lab Sample ID:	K2765-04RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.9 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039672.D	1	05/11/19 07:56	05/11/19 23:32	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	22	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	22	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	22	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22	ug/kg
11096-82-5	Aroclor-1260	270		6	22	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		10 - 166	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.4	*	60 - 125	52%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039651.D	1	05/11/19 07:56	05/11/19 14:35	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.3	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.3	ug/kg
11141-16-5	Aroclor-1232	8.6	U	8.6	22.3	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.3	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.3	ug/kg
11097-69-1	Aroclor-1254	8.5	U	8.5	22.3	ug/kg
37324-23-5	Aroclor-1262	6.6	U	6.6	22.3	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.3	ug/kg
11096-82-5	Aroclor-1260	190		6.1	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.2		10 - 166	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.52	*	60 - 125	48%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01RE	SDG No.:	K2765
Lab Sample ID:	K2765-05RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24 Decanted
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039673.D	1	05/11/19 07:56	05/11/19 23:50	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.3	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.3	ug/kg
11141-16-5	Aroclor-1232	8.6	U	8.6	22.3	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.3	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.3	ug/kg
11097-69-1	Aroclor-1254	8.5	U	8.5	22.3	ug/kg
37324-23-5	Aroclor-1262	6.6	U	6.6	22.3	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.3	ug/kg
11096-82-5	Aroclor-1260	200		6.1	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		10 - 166	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.27	*	60 - 125	46%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23.8 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039652.D	1	05/11/19 07:56	05/11/19 14:52	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.2	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.2	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22.2	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.2	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.2	ug/kg
11097-69-1	Aroclor-1254	8.4	U	8.4	22.2	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22.2	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.2	ug/kg
11096-82-5	Aroclor-1260	57.1		6	22.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		10 - 166	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		60 - 125	70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039653.D	1	05/11/19 07:56	05/11/19 15:09	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	22	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	22	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	22	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22	ug/kg
11096-82-5	Aroclor-1260	11.8	J	6	22	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22		10 - 166	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		60 - 125	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039654.D	1	05/11/19 07:56	05/11/19 15:27	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.5	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.5	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.5	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.5	ug/kg
12672-29-6	Aroclor-1248	20.9		6.6	20.5	ug/kg
11097-69-1	Aroclor-1254	31.8		7.8	20.5	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.5	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.5	ug/kg
11096-82-5	Aroclor-1260	27	~~P~~ J	5.5	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		60 - 125	74%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039655.D	1	05/11/19 07:56	05/11/19 17:27	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.8	ug/kg
11104-28-2	Aroclor-1221	7.4	U	7.4	18.8	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.8	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.8	ug/kg
12672-29-6	Aroclor-1248	18.8 ~~17.5~~	~~JP~~ U	6.1	18.8	ug/kg
11097-69-1	Aroclor-1254	16.3	J	7.1	18.8	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.8	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.8	ug/kg
11096-82-5	Aroclor-1260	14.1	J	5.1	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		10 - 166	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		60 - 125	108%	SPK: 20

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	7.5 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol.:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039656.D	1	05/11/19 07:56	05/11/19 17:44	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.3	ug/kg
11104-28-2	Aroclor-1221	7.2	U	7.2	18.3	ug/kg
11141-16-5	Aroclor-1232	7	U	7	18.3	ug/kg
53469-21-9	Aroclor-1242	6.3	U	6.3	18.3	ug/kg
12672-29-6	Aroclor-1248	5.9	U	5.9	18.3	ug/kg
11097-69-1	Aroclor-1254	6.9	U	6.9	18.3	ug/kg
37324-23-5	Aroclor-1262	5.4	U	5.4	18.3	ug/kg
11100-14-4	Aroclor-1268	4.6	U	4.6	18.3	ug/kg
11096-82-5	Aroclor-1260	5	U	5	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		10 - 166	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		60 - 125	100%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039657.D	1	05/11/19 07:56	05/11/19 18:02	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.2	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.2	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.2	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19.2	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.2	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.2	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19.2	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.2	ug/kg
11096-82-5	Aroclor-1260	5.2	U	5.2	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		10 - 166	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 125	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.5 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039658.D	1	05/11/19 07:56	05/11/19 18:19	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.4	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.4	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.4	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.4	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.4	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.4	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.4	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.4	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		10 - 166	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		60 - 125	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/06/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS005-0002-01		SDG No.:	K2765	
Lab Sample ID:	K2765-13		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	20.6	Decanted
Sample Wt/Vol:	30.12	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume:		
GPC Factor:	1.0	PH:			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039659.D	1	05/11/19 07:56	05/11/19 18:36	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.3	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.3	ug/kg
11141-16-5	Aroclor-1232	8.2	U	8.2	21.3	ug/kg
53469-21-9	Aroclor-1242	7.4	U	7.4	21.3	ug/kg
12672-29-6	Aroclor-1248	87.5		6.9	21.3	ug/kg
11097-69-1	Aroclor-1254	140		8.1	21.3	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.3	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.3	ug/kg
11096-82-5	Aroclor-1260	120		5.8	21.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24		10 - 166	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		60 - 125	74%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.2 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039706.D	1	05/11/19 07:56	05/12/19 14:33	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.9	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	19.9	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.9	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.9	ug/kg
12672-29-6	Aroclor-1248	35.9		6.5	19.9	ug/kg
11097-69-1	Aroclor-1254	59.9		7.6	19.9	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	19.9	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.9	ug/kg
11096-82-5	Aroclor-1260	70.7		5.4	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.9		10 - 166	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		60 - 125	70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039663.D	1	05/11/19 07:56	05/11/19 20:56	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.6	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.6	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.6	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.6	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.6	ug/kg
11097-69-1	Aroclor-1254	7.8	U	7.8	20.6	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.6	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.6	ug/kg
11096-82-5	Aroclor-1260	120		5.6	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.8		10 - 166	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		60 - 125	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.6 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol.:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039664.D	1	05/11/19 07:56	05/11/19 21:13	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.8	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.8	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.8	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.8	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.8	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.8	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.8	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.8	ug/kg
11096-82-5	Aroclor-1260	59.6	~~P~~ J	5.4	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.2		10 - 166	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	19		60 - 125	95%	SPK: 20

5/19/19.

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.5 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039665.D	1	05/11/19 07:56	05/11/19 21:31	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.3	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.3	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.3	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.3	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.3	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.3	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.3	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.3	ug/kg
11096-82-5	Aroclor-1260	51.8		5.5	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		10 - 166	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		60 - 125	74%	SPK: 20

Comments

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039666.D	1	05/11/19 07:56	05/11/19 21:48	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	22.4	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.4	ug/kg
11141-16-5	Aroclor-1232	8.6	U	8.6	22.4	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.4	ug/kg
12672-29-6	Aroclor-1248	7.2	U	7.2	22.4	ug/kg
11097-69-1	Aroclor-1254	8.5	U	8.5	22.4	ug/kg
37324-23-5	Aroclor-1262	6.6	U	6.6	22.4	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.4	ug/kg
11096-82-5	Aroclor-1260 * 1500	~~1700~~	~~E~~	6.1	22.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		10 - 166	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.4	*	60 - 125	57%	SPK: 20

* 4xDIF - value transferred from dilution analysis.

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-18DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

DO NOT USE

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PQ039707.D	4	05/11/19 07:56	05/12/19 14:50	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	10.5	UD J	10.5	89.4	ug/kg
11104-28-2	Aroclor-1221	35.3	UD	35.3	89.4	ug/kg
11141-16-5	Aroclor-1232	34.3	UD	34.3	89.4	ug/kg
53469-21-9	Aroclor-1242	31	UD	31	89.4	ug/kg
12672-29-6	Aroclor-1248	28.9	UD	28.9	89.4	ug/kg
11097-69-1	Aroclor-1254	33.9	UD	33.9	89.4	ug/kg
37324-23-5	Aroclor-1262	26.3	UD	26.3	89.4	ug/kg
11100-14-4	Aroclor-1268	22.4	UD	22.4	89.4	ug/kg
11096-82-5	Aroclor-1260	1500	D	24.3	89.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20		10 - 166	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8	*	60 - 125	54%	SPK: 20

Comments:

5/19/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2765
Lab Sample ID:	K2765-21	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.3 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039669.D	1	05/11/19 07:56	05/11/19 22:40	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21	ug/kg
11141-16-5	Aroclor-1232	8	U	8	21	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	21	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21	ug/kg
11096-82-5	Aroclor-1260	*1700 ~~1200~~	~~E~~	5.7	21	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.4		10 - 166	72%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.14	*	60 - 125	46%	SPK: 20

* 5x DIF: Value transferred from the dilution analysis. —

5/19/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02DL	SDG No.:	K2765
Lab Sample ID:	K2765-21DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.3 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039708.D	5	05/11/19 07:56	05/12/19 15:08	PB119642

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	12.3	UD J	12.3	100	ug/kg
11104-28-2	Aroclor-1221	41.4	UD	41.4	100	ug/kg
11141-16-5	Aroclor-1232	40.2	UD	40.2	100	ug/kg
53469-21-9	Aroclor-1242	36.3	UD	36.3	100	ug/kg
12672-29-6	Aroclor-1248	33.9	UD	33.9	100	ug/kg
11097-69-1	Aroclor-1254	39.7	UD	39.7	100	ug/kg
37324-23-5	Aroclor-1262	30.8	UD	30.8	100	ug/kg
11100-14-4	Aroclor-1268	26.3	UD	26.3	100	ug/kg
11096-82-5	Aroclor-1260	1700	D	28.4	100	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.6		60 - 125	68%	SPK: 20

Comments:

5/19/19.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	K2765	**OrderDate:**	5/9/2019 9:52:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2765-01	P026-SS002-1218-02	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-01RE	P026-SS002-1218-02RE	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-02	P026-SS002-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-03	P026-SS003-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-03RE	P026-SS003-0002-01RE	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-04	P026-SS003-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-04RE	P026-SS003-0206-01RE	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-05	P026-SS003-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-05RE	P026-SS003-0612-01RE	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	

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LAB CHRONICLE

K2765-06	P026-SS003-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-07	P026-SS003-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-08	P026-SS004-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-09	P026-SS004-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-10	P026-SS004-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-11	P026-SS004-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-12	P026-SS004-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-13	P026-SS005-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-14	P026-SS005-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2765-15	P026-SS005-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-16	P026-SS005-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-17	P026-SS005-1824-01	SOIL			05/06/19			05/09/19

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

			PCB	8082A		05/11/19	05/11/19	
K2765-18	P026-SS006-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-18DL	P026-SS006-0002-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2765-21	P026-SS006-0002-02	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2765-21DL	P026-SS006-0002-02DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	

K2762

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS001-0002-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-02	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0002-02	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-1218-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analysis	William ESTS	5/9/2019 900		5-9-19 0935	2.3°C

K2762

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 67
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS002-1218-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] -WESTON ASTS	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2766 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/5/2019

Verified By: [signature] **Date:** 6/5/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2766				
P026-SS006-0206-01	J2766-01	Soil	TCL PCBs	5/06/2019
P026-SS006-0612-01	J2766-02	Soil	TCL PCBs	5/06/2019
P026-SS006-1218-01	J2766-03	Soil	TCL PCBs	5/06/2019
P026-SS006-1824-01	J2766-04	Soil	TCL PCBs	5/06/2019
P026-SS007-0002-01	J2766-05	Soil	TCL PCBs	5/06/2019
P026-SS007-0206-01	J2766-06	Soil	TCL PCBs	5/06/2019
P026-SS007-0612-01	J2766-07	Soil	TCL PCBs	5/06/2019
P026-SS007-1218-01	J2766-08	Soil	TCL PCBs	5/06/2019
P026-SS007-1824-01	J2766-09	Soil	TCL PCBs	5/06/2019
P026-SS008-0002-01	J2766-10	Soil	TCL PCBs	5/06/2019
P026-SS008-0206-01	J2766-11	Soil	TCL PCBs	5/06/2019
P026-SS008-0206-02[1]	J2766-14	Soil	TCL PCBs	5/06/2019
P026-SS008-0612-01	J2766-15	Soil	TCL PCBs	5/06/2019
P026-SS008-1218-01	J2766-16	Soil	TCL PCBs	5/06/2019
P026-SS008-1824-01	J2766-17	Soil	TCL PCBs	5/06/2019
P026-SS009-0002-01	J2766-18	Soil	TCL PCBs	5/06/2019
P026-SS009-0206-01	J2766-19	Soil	TCL PCBs	5/06/2019
P026-SS009-0612-01	J2766-20	Soil	TCL PCBs	5/06/2019
P026-SS009-1218-01	J2766-21	Soil	TCL PCBs	5/06/2019

[1] A field duplicate of P026-SS008-0206-01

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one column for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P026-SS007-0002-01, P026-SS007-0206-01, P026-SS007-1218-01, and P026-SS008-0206-02

The recoveries of the surrogate compounds DCB and/or tetrachloro-m-xylene (TCMX) fell below the control limits or did not recover (0%) in both analytical columns for the diluted analyses of samples P026-SS008-0002-01DL (25 times [25x]) and P026-SS008-0206-01DL (50x). Since these samples were analyzed at greater than (>)5x dilution, surrogate compounds were diluted below the calibration range. No action was required.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS008-0206-01 was used for MS/MSD analyses. The MS/MSD recoveries of Aroclor-1016 and MS recovery of Aroclor-1260 exceeded the laboratory control limits. MSD recovery of Aroclor-1260 is below the laboratory control limits. The related percent differences (RPDs) of Aroclor-1016 and Aroclor-1260 exceeded the laboratory control limit of 20%. Aroclor-1016 was not detected in the unspiked sample. Based on the high spike recovery of Aroclor-1016 in the MS and MSD and the non-detected result in the unspiked sample, no data qualifiers were required. Also, results for Aroclor-1260 was transferred from dilution analysis, therefore, using professional judgment, no action was required.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The %D of the surrogate TCMX exceeded the control limit in three CCVs and DCB exceeded the control limit in two CCVs. Sample results were not qualified for surrogate %Ds outside control limits.

7. FIELD DUPLICATES:

Field duplicate sample pair P026-SS008-0206-01//P026-SS008-0206-02 yielded comparable results.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

As per SW-846 Method 8000C, if the analyte concentration between two columns was less than or equal to (≤) 40%, report the lower concentration; however, the EPA Region II SOP No. HW-45 (Revision 1.1), December 2010 uses less than < 25% as criterion for data evaluation.

Aroclors were detected on both GC columns in the following samples, and the percent difference between the two results was > 25% but < 200%, thus estimated (J).

Aroclor-1254 (J) – P026-SS007-0002-01[1]
Aroclor-1260 (J) – P026-SS007-0002-01[1]
Aroclor-1248 (J) – P026-SS007-0206-01[1]
Aroclor-1260 (J) – P026-SS007-1218-01[1]
Aroclor-1248 (J) – P026-SS007-1824-01
Aroclor-1254 (J) – P026-SS009-0002-01
Aroclor-1254 (J) – P026-SS009-0206-01
Aroclor-1254 (J) – P026-SS009-1218-01

[1] Sample was previously qualified due to non-compliance surrogate recoveries, no further action was required.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P026-SS008-0002-01 and P026-SS008-0206-01, were diluted due to Aroclor-1260 concentration exceeding the calibration range in the undiluted analysis. The dilution also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Laboratory indicated in case narrative that, according to the analytical method, one surrogate is allowed to fail to meet the criteria per column. In sample P026-SS007-0002-01, P026-SS007-0206-01, P026-SS007-1218-01, and P026-SS008-0206-02, only one surrogate is outside the acceptance criteria and lab did not re-analyze the sample.

- **12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:**
  Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

  Dilution (noted in parentheses) were performed for the following samples due to Aroclor-1260 concentrations exceeding the calibration range in the undiluted sample analyses: P026-SS008-0002-01 50-times (50x), P026-SS008-0206-01(25x), P026-SS008-0206-02(20x), P026-SS008-0612-01(10x), and P026-SS008-1218-01(5x). All Aroclors except Aroclor-1260 were reported from the undiluted analyses of these samples in order to report the lowest possible reporting limits. Aroclor-1260 was reported from the diluted analyses of these samples. Due to dilution results, the laboratory qualified the associated analytes with "D" qualifiers. The "D" qualifiers were removed during validation.

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS006-0206-01	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01
Lab Sample ID	K2766-01	K2766-02	K2766-03	K2766-04	K2766-05
Sample weight (g)	30.07	30.12	30.02	30.06	30.11
Moisture (%)	9	6.5	10	12.1	21.7
Dilution Factor	1.0	1.0	1	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.2 U	2.1 U	2.2 U	2.3 U	2.5 UJ
Aroclor-1221	7.4 U	7.2 U	7.5 U	7.6 U	8.5 UJ
Aroclor-1232	7.1 U	6.9 U	7.2 U	7.4 U	8.3 UJ
Aroclor-1242	6.5 U	6.3 U	6.5 U	6.7 U	7.5 UJ
Aroclor-1248	6 U	5.9 U	6.1 U	6.2 U	7 UJ
Aroclor-1254	**22.1**	**14.2 J**	**21.7**	**17.3 J**	**250 J**
Aroclor-1262	5.5 U	5.3 U	5.5 U	5.7 U	6.4 UJ
Aroclor-1268	4.7 U	4.5 U	4.7 U	4.8 U	5.4 UJ
Aroclor-1260	**42.5**	**21.1**	**36.8**	**28.2**	**220 J**

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01
Lab Sample ID	K2766-06	K2766-07	K2766-08	K2766-09	K2766-10
Sample weight (g)	30.01	30.05	30.1	30.16	30.04
Moisture (%)	21.2	19	18.1	17.6	50.7
Dilution Factor	1.0	1.0	1.0	1.0	1.0,*50
PCB (ug/kg)					
Aroclor-1016	2.5 UJ	2.5 U	2.4 UJ	2.4 U	4.1 U
Aroclor-1221	8.5 UJ	8.3 U	8.2 UJ	8.1 U	13.6 U
Aroclor-1232	8.3 UJ	8 U	7.9 UJ	7.9 U	13.2 U
Aroclor-1242	7.5 UJ	7.3 U	7.2 UJ	7.1 U	11.9 U
Aroclor-1248	**130 J**	6.8 U	**51.7 J**	**51.7 J**	11.1 U
Aroclor-1254	**180 J**	**31.4**	**88.3 J**	**67.1**	13 U
Aroclor-1262	6.3 UJ	6.2 U	6.1 UJ	6 U	10.1 U
Aroclor-1268	5.4 UJ	5.3 U	5.2 UJ	5.1 U	8.6 U
Aroclor-1260	**240 J**	**63.9**	**110 J**	**79.8**	***20000**

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS008-0206-01	P026-SS008-0206-02[1]	P026-SS008-0612-01	P026-SS008-1218-01	P026-SS008-1824-01
Lab Sample ID	K2766-11	K2766-14	K2766-15	K2766-16	K2766-17
Sample weight (g)	30.09	30.08	30.14	30.02	30.07
Moisture (%)	57.5	55	19.5	13.5	14.5
Dilution Factor	1.0,*25	1.0, *20	1.0, *10	1.0, *5.0	1.0
PCB (ug/kg)					
Aroclor-1016	4.7 U	4.4 UJ	2.5 U	2.3 U	2.3 U
Aroclor-1221	15.8 U	14.9 UJ	8.3 U	7.8 U	7.8 U
Aroclor-1232	15.3 U	14.5 UJ	8.1 U	7.5 U	7.6 U
Aroclor-1242	13.8 U	13.1 UJ	7.3 U	6.8 U	6.9 U
Aroclor-1248	12.9 U	12.2 UJ	6.8 U	6.4 U	6.4 U
Aroclor-1254	15.1 U	14.3 UJ	8 U	7.4 U	7.5 U
Aroclor-1262	11.7 U	11.1 UJ	6.2 U	5.8 U	5.8 U
Aroclor-1268	10 U	9.4 UJ	5.3 U	4.9 U	5 U
Aroclor-1260	***19000**	***14000**	***4100**	***1100**	**310**

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01
Lab Sample ID	K2766-18	K2766-19	K2766-20	K2766-21
Sample weight (g)	30.13	30.01	30.06	30.12
Moisture (%)	14.4	11.3	10.5	11.7
Dilution Factor	1.0	1.0	1.0	1.0
PCB (ug/kg)				
Aroclor-1016	2.3 U	2.3 U	2.2 U	2.3 U
Aroclor-1221	7.8 U	7.6 U	7.5 U	7.6 U
Aroclor-1232	7.6 U	7.3 U	7.3 U	7.4 U
Aroclor-1242	6.9 U	6.6 U	6.6 U	6.6 U
Aroclor-1248	6.4 U	6.2 U	6.1 U	6.2 U
Aroclor-1254	**29 J**	**68.5 J**	**19**	**29 J**
Aroclor-1262	5.8 U	5.6 U	5.6 U	5.6 U
Aroclor-1268	5 U	4.8 U	4.8 U	4.8 U
Aroclor-1260	**25.8**	5.2 U	5.1 U	5.2 U

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

[1]A field duplicate of P026-SS008-0206-01

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2766
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for;
P026-SS007-0002-01 [Decachlorobiphenyl(2) - 54%],
P026-SS007-0206-01 [Decachlorobiphenyl(2) - 43%],
P026-SS007-1218-01 [Decachlorobiphenyl(2) - 54%],
P026-SS008-0002-01DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],
P026-SS008-0206-01DL [Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) - 0%, Tetrachloro-m-xylene(2) - 0%],
P026-SS008-0206-01MSD [Decachlorobiphenyl(2) - 46%],
P026-SS008-0206-02 [Decachlorobiphenyl(2) - 56%].

Due to the high concentration of AR1260 on the samples the Decachlorobiphenyl is suspected to have matrix interference and the data is released based on the recovery of TCMX. No further corrective action was taken.
P026-SS008-0002-01DL and P026-SS008-0206-01DL surrogates were diluted out due to the required dilution for AR1260.

The Retention Times were acceptable for all samples.

The MS {K2766-12MS} with File ID: PO056113.D recoveries met the requirements for all compounds except for AR1016[1217%], AR1260[3844%] due to the high concentration of AR1260 in the sample.

The MSD {K2766-13MSD} with File ID: PO056114.D recoveries met the acceptable requirements except for AR1016[830%], AR1260[0%] due to the high concentration of AR1260 in the sample.

The RPD for {K2766-13MSD} with File ID: PO056114.D met criteria except for AR1016[38%], AR1260[200%] due to the high concentration of AR1260.

The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PO056097.D met the requirements except for Tetrachloro-m-xylene is failing in both columns.

The Continuous Calibration File ID PO056111.D met the requirements except for Tetrachloro-m-xylene is failing in 1st column.

The Continuous Calibration File ID PO056124.D met the requirements except for Tetrachloro-m-xylene is failing in 1st column.

The Continuous Calibration File ID PO056229.D met the requirements except for Decachlorobiphenyl is failing in 2nd column.

The Continuous Calibration File ID PO056241.D met the requirements except for Decachlorobiphenyl is failing in 2nd column.

Samples P026-SS008-0002-01, P026-SS008-0206-01, P026-SS008-0206-02, P026-SS008-0612-01 and P026-SS008-1218-01 were diluted due to high concentrations of AR1260.

E. Additional Comments:

Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).

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Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%Moisture}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

I.BLK (PO056110.D) has contamination of AR1260 below CRQL. This IBLK preceeded the CCC file id PO05611.D which met the requirements. No further corrective action was taken.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:01 am, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056100.D	1	05/11/19 08:35	05/11/19 16:15	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.6	ug/kg
11104-28-2	Aroclor-1221	7.4	U	7.4	18.6	ug/kg
11141-16-5	Aroclor-1232	7.1	U	7.1	18.6	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.6	ug/kg
12672-29-6	Aroclor-1248	6	U	6	18.6	ug/kg
11097-69-1	Aroclor-1254	22.1		7.1	18.6	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.6	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.6	ug/kg
11096-82-5	Aroclor-1260	42.5		5.1	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.5		10 - 166	133%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		60 - 125	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	6.5 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056101.D	1	05/11/19 08:35	05/11/19 16:32	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.1	U	2.1	18.1	ug/kg
11104-28-2	Aroclor-1221	7.2	U	7.2	18.1	ug/kg
11141-16-5	Aroclor-1232	6.9	U	6.9	18.1	ug/kg
53469-21-9	Aroclor-1242	6.3	U	6.3	18.1	ug/kg
12672-29-6	Aroclor-1248	5.9	U	5.9	18.1	ug/kg
11097-69-1	Aroclor-1254	14.2	J	6.9	18.1	ug/kg
37324-23-5	Aroclor-1262	5.3	U	5.3	18.1	ug/kg
11100-14-4	Aroclor-1268	4.5	U	4.5	18.1	ug/kg
11096-82-5	Aroclor-1260	21.1		4.9	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.5		10 - 166	138%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		60 - 125	114%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056102.D	1	05/11/19 08:35	05/11/19 16:49	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.9	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	18.9	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.9	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.9	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.9	ug/kg
11097-69-1	Aroclor-1254	21.7		7.2	18.9	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.9	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.9	ug/kg
11096-82-5	Aroclor-1260	36.8		5.1	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.9		10 - 166	135%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		60 - 125	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056103.D	1	05/11/19 08:35	05/11/19 17:06	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.3	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.3	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.3	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.3	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.3	ug/kg
11097-69-1	Aroclor-1254	17.3	J	7.3	19.3	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.3	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.3	ug/kg
11096-82-5	Aroclor-1260	28.2		5.2	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.3		10 - 166	132%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 125	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	21.7 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056104.D	1	05/11/19 08:35	05/11/19 17:23	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.6	ug/kg
11104-28-2	Aroclor-1221	8.5	U	8.5	21.6	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.6	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.6	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.6	ug/kg
11097-69-1	Aroclor-1254	250	~~P~~	8.2	21.6	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.6	ug/kg
11100-14-4	Aroclor-1268	5.4	U	5.4	21.6	ug/kg
11096-82-5	Aroclor-1260	220	~~P~~	5.9	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.8		10 - 166	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	15		60 - 125	75%	SPK: 20

@ 5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	21.2 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056105.D	1	05/11/19 08:35	05/11/19 17:40	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U J	2.5	21.6	ug/kg
11104-28-2	Aroclor-1221	8.5	U	8.5	21.6	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.6	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.6	ug/kg
12672-29-6	Aroclor-1248	130	~~P~~	7	21.6	ug/kg
11097-69-1	Aroclor-1254	180		8.2	21.6	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.6	ug/kg
11100-14-4	Aroclor-1268	5.4	U	5.4	21.6	ug/kg
11096-82-5	Aroclor-1260	240		5.8	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		10 - 166	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.3		60 - 125	61%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056106.D	1	05/11/19 08:35	05/11/19 17:57	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21	ug/kg
11141-16-5	Aroclor-1232	8	U	8	21	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21	ug/kg
11097-69-1	Aroclor-1254	31.4		7.9	21	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21	ug/kg
11096-82-5	Aroclor-1260	63.9		5.7	21	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		10 - 166	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.8		60 - 125	69%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.1 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056107.D	1	05/11/19 08:35	05/11/19 18:14	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.7	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.7	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.7	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.7	ug/kg
12672-29-6	Aroclor-1248	51.7		6.7	20.7	ug/kg
11097-69-1	Aroclor-1254	88.3		7.8	20.7	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.7	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.7	ug/kg
11096-82-5	Aroclor-1260	110	J	5.6	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.2		60 - 125	61%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17.6 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056108.D	1	05/11/19 08:35	05/11/19 18:31	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.5	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.5	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.5	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.5	ug/kg
12672-29-6	Aroclor-1248	51.7	~~P~~ J	6.6	20.5	ug/kg
11097-69-1	Aroclor-1254	67.1		7.8	20.5	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.5	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.5	ug/kg
11096-82-5	Aroclor-1260	79.8		5.6	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25		10 - 166	125%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.6		60 - 125	73%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	50.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056109.D	1	05/11/19 08:35	05/11/19 18:48	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.1	U	4.1	34.4	ug/kg
11104-28-2	Aroclor-1221	13.6	U	13.6	34.4	ug/kg
11141-16-5	Aroclor-1232	13.2	U	13.2	34.4	ug/kg
53469-21-9	Aroclor-1242	11.9	U	11.9	34.4	ug/kg
12672-29-6	Aroclor-1248	11.1	U	11.1	34.4	ug/kg
11097-69-1	Aroclor-1254	13	U	13	34.4	ug/kg
37324-23-5	Aroclor-1262	10.1	U	10.1	34.4	ug/kg
11100-14-4	Aroclor-1268	8.6	U	8.6	34.4	ug/kg
11096-82-5	Aroclor-1260 *20,000	~~13000~~	~~E~~	9.3	34.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.8		10 - 166	129%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.9		60 - 125	124%	SPK: 20

* 50xDIF - Value transferred from the dilution analysis. —

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-10DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	50.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056141.D	50	05/11/19 08:35	05/12/19 11:09	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	200	UD	200	1700	ug/kg
11104-28-2	Aroclor-1221	680	UD	680	1700	ug/kg
11141-16-5	Aroclor-1232	660	UD	660	1700	ug/kg
53469-21-9	Aroclor-1242	600	UD	600	1700	ug/kg
12672-29-6	Aroclor-1248	560	UD	560	1700	ug/kg
11097-69-1	Aroclor-1254	650	UD	650	1700	ug/kg
37324-23-5	Aroclor-1262	510	UD	510	1700	ug/kg
11100-14-4	Aroclor-1268	430	UD	430	1700	ug/kg
11096-82-5	Aroclor-1260	20000	D	470	1700	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	57.5 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056112.D	1	05/11/19 08:35	05/11/19 20:13	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.7	U	4.7	39.9	ug/kg
11104-28-2	Aroclor-1221	15.8	U	15.8	39.9	ug/kg
11141-16-5	Aroclor-1232	15.3	U	15.3	39.9	ug/kg
53469-21-9	Aroclor-1242	13.8	U	13.8	39.9	ug/kg
12672-29-6	Aroclor-1248	12.9	U	12.9	39.9	ug/kg
11097-69-1	Aroclor-1254	15.1	U	15.1	39.9	ug/kg
37324-23-5	Aroclor-1262	11.7	U	11.7	39.9	ug/kg
11100-14-4	Aroclor-1268	10	U	10	39.9	ug/kg
11096-82-5	Aroclor-1260 *19,000	~~14000~~	~~E~~	10.8	39.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		10 - 166	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	18		60 - 125	90%	SPK: 20

* 25 x DIF — Value transferred from the dilution analysis. —

5/21/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-11DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	57.5 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056230.D	25	05/11/19 08:35	05/14/19 15:57	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	120	UD	120	1000	ug/kg
11104-28-2	Aroclor-1221	390	UD	390	1000	ug/kg
11141-16-5	Aroclor-1232	380	UD	380	1000	ug/kg
53469-21-9	Aroclor-1242	350	UD	350	1000	ug/kg
12672-29-6	Aroclor-1248	320	UD	320	1000	ug/kg
11097-69-1	Aroclor-1254	380	UD	380	1000	ug/kg
37324-23-5	Aroclor-1262	290	UD	290	1000	ug/kg
11100-14-4	Aroclor-1268	250	UD	250	1000	ug/kg
11096-82-5	Aroclor-1260	19000	D	270	1000	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2766
Lab Sample ID:	K2766-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	55 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056115.D	1	05/11/19 08:35	05/11/19 21:03	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.4	U	4.4	37.7	ug/kg
11104-28-2	Aroclor-1221	14.9	U	14.9	37.7	ug/kg
11141-16-5	Aroclor-1232	14.5	U	14.5	37.7	ug/kg
53469-21-9	Aroclor-1242	13.1	U	13.1	37.7	ug/kg
12672-29-6	Aroclor-1248	12.2	U	12.2	37.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	14.3	37.7	ug/kg
37324-23-5	Aroclor-1262	11.1	U	11.1	37.7	ug/kg
11100-14-4	Aroclor-1268	9.4	U	9.4	37.7	ug/kg
11096-82-5	Aroclor-1260 *14,000	~~9700~~	~~E~~	10.2	37.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		10 - 166	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		60 - 125	78%	SPK: 20

* 20xDIF – Value transferred from the dilution analysis.–

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02DL	SDG No.:	K2766
Lab Sample ID:	K2766-14DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	55 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056143.D	20	05/11/19 08:35	05/12/19 11:43	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	88.8	UD	88.8	750	ug/kg
11104-28-2	Aroclor-1221	300	UD	300	750	ug/kg
11141-16-5	Aroclor-1232	290	UD	290	750	ug/kg
53469-21-9	Aroclor-1242	260	UD	260	750	ug/kg
12672-29-6	Aroclor-1248	240	UD	240	750	ug/kg
11097-69-1	Aroclor-1254	290	UD	290	750	ug/kg
37324-23-5	Aroclor-1262	220	UD	220	750	ug/kg
11100-14-4	Aroclor-1268	190	UD	190	750	ug/kg
11096-82-5	Aroclor-1260	14000	D	200	750	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.4		10 - 166	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		60 - 125	113%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.5 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056116.D	1	05/11/19 08:35	05/11/19 21:20	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21	ug/kg
11097-69-1	Aroclor-1254	8	U	8	21	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21	ug/kg
11096-82-5	Aroclor-1260 *4100	~~3600~~	~~E~~	5.7	21	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		10 - 166	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		60 - 125	89%	SPK: 20

* 10xDIF — Value transferred from the dilution analysis. —

SW 5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-15DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.5 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056144.D	10	05/11/19 08:35	05/12/19 11:59	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	24.8	UD	24.8	210	ug/kg
11104-28-2	Aroclor-1221	83.1	UD	83.1	210	ug/kg
11141-16-5	Aroclor-1232	80.6	UD	80.6	210	ug/kg
53469-21-9	Aroclor-1242	72.8	UD	72.8	210	ug/kg
12672-29-6	Aroclor-1248	68	UD	68	210	ug/kg
11097-69-1	Aroclor-1254	79.7	UD	79.7	210	ug/kg
37324-23-5	Aroclor-1262	61.7	UD	61.7	210	ug/kg
11100-14-4	Aroclor-1268	52.7	UD	52.7	210	ug/kg
11096-82-5	Aroclor-1260	4100	D	57	210	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.4		10 - 166	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	21		60 - 125	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/06/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS008-1218-01		SDG No.:	K2766	
Lab Sample ID:	K2766-16		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	13.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056117.D	1	05/11/19 08:35	05/11/19 21:37	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.6	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.6	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.6	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.6	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.6	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.6	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.6	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.6	ug/kg
11096-82-5	Aroclor-1260 * 1100	980 ~~E~~		5.3	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23		10 - 166	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		60 - 125	101%	SPK: 20

* 5xDIF — Value transferred from the dilution analysis. —

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1218-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-16DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056145.D	5	05/11/19 08:35	05/12/19 12:16	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	11.6	UD	11.6	98.2	ug/kg
11104-28-2	Aroclor-1221	38.8	UD	38.8	98.2	ug/kg
11141-16-5	Aroclor-1232	37.7	UD	37.7	98.2	ug/kg
53469-21-9	Aroclor-1242	34	UD	34	98.2	ug/kg
12672-29-6	Aroclor-1248	31.8	UD	31.8	98.2	ug/kg
11097-69-1	Aroclor-1254	37.2	UD	37.2	98.2	ug/kg
37324-23-5	Aroclor-1262	28.8	UD	28.8	98.2	ug/kg
11100-14-4	Aroclor-1268	24.6	UD	24.6	98.2	ug/kg
11096-82-5	Aroclor-1260	1100	D	26.6	98.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		10 - 166	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 125	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056118.D	1	05/11/19 08:35	05/11/19 21:54	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.8	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.8	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.8	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.8	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.8	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.8	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.8	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.8	ug/kg
11096-82-5	Aroclor-1260	310		5.4	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		10 - 166	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		60 - 125	81%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.4 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056119.D	1	05/11/19 08:35	05/11/19 22:11	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.8	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.8	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.8	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.8	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.8	ug/kg
11097-69-1	Aroclor-1254	29	~~P~~ J	7.5	19.8	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.8	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.8	ug/kg
11096-82-5	Aroclor-1260	25.8		5.4	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.4		10 - 166	127%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 125	84%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056120.D	1	05/11/19 08:35	05/11/19 22:28	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.2	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.2	ug/kg
11141-16-5	Aroclor-1232	7.3	U	7.3	19.2	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19.2	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.2	ug/kg
11097-69-1	Aroclor-1254	68.5	~~P~~ J	7.3	19.2	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19.2	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.2	ug/kg
11096-82-5	Aroclor-1260	5.2	U	5.2	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		10 - 166	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		60 - 125	97%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-20	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056121.D	1	05/11/19 08:35	05/11/19 22:45	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	19	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	19	ug/kg
11141-16-5	Aroclor-1232	7.3	U	7.3	19	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	19	ug/kg
11097-69-1	Aroclor-1254	19		7.2	19	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	19	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		10 - 166	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		60 - 125	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-21	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.7 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056122.D	1	05/11/19 08:35	05/11/19 23:02	PB119643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.2	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.2	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.2	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19.2	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.2	ug/kg
11097-69-1	Aroclor-1254	29	~~P~~ J	7.3	19.2	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19.2	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.2	ug/kg
11096-82-5	Aroclor-1260	5.2	U	5.2	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 125	95%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2766	**OrderDate:**	5/9/2019 9:53:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2766-01	**P026-SS006-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-02	**P026-SS006-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-03	**P026-SS006-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-04	**P026-SS006-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-05	**P026-SS007-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-06	**P026-SS007-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-07	**P026-SS007-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-08	**P026-SS007-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	
K2766-09	**P026-SS007-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			PCB	8082A		05/11/19	05/11/19	

LAB CHRONICLE

K2766-10	P026-SS008-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-10DL	P026-SS008-0002-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2766-11	P026-SS008-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-11DL	P026-SS008-0206-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2766-14	P026-SS008-0206-02	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-14DL	P026-SS008-0206-02DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2766-15	P026-SS008-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-15DL	P026-SS008-0612-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2766-16	P026-SS008-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-16DL	P026-SS008-1218-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2766-17	P026-SS008-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-18	P026-SS009-0002-01	SOIL			05/06/19			05/09/19

LAB CHRONICLE

			PCB	8082A		05/11/19	05/11/19	
K2766-19	P026-SS009-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-20	P026-SS009-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	
K2766-21	P026-SS009-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/11/19	

K2766

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS006-0206-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:40	1	8 oz glass	4 C	N
	P026-SS006-0206-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:40	1	8 oz glass	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:44	1	8 oz glass	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:44	1	8 oz glass	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:50	1	8 oz glass	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:50	1	8 oz glass	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:57	1	8 oz glass	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:57	1	8 oz glass	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:04	1	8 oz glass	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:04	1	8 oz glass	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:09	1	8 oz glass	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:09	1	8 oz glass	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:16	1	8 oz glass	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:16	1	8 oz glass	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:19	1	8 oz glass	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:19	1	8 oz glass	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:25	1	8 oz glass	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:25	1	8 oz glass	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:31	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analyses	Michael Lang Weston RST3	5/9/2019 900		5-9-19 0935	2-3°C

K2766

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS008-0002-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:31	1	8 oz glass	4 C	N
	P026-SS008-0206-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:40	2	8 oz glass	4 C	Y
	P026-SS008-0206-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:40	2	8 oz glass	4 C	Y
	P026-SS008-0206-02	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:40	1	8 oz glass	4 C	N
	P026-SS008-0206-02	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:40	1	8 oz glass	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:51	1	8 oz glass	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:51	1	8 oz glass	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:58	1	8 oz glass	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:58	1	8 oz glass	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	16:03	1	8 oz glass	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:03	1	8 oz glass	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:07	1	8 oz glass	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:07	1	8 oz glass	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:14	1	8 oz glass	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:14	1	8 oz glass	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:18	1	8 oz glass	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:18	1	8 oz glass	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:21	1	8 oz glass	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:21	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[illegible] - Weston RSTS	5/9/19 900	[illegible]	5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2767 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/5/2019

Verified By: **Date:** 6/5/2019

On May 6 and 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2767				
P026-SS009-1824-01	J2767-01	Soil	TCL PCBs	5/06/2019
P026-SS010-0002-01	J2767-02	Soil	TCL PCBs	5/06/2019
P026-SS010-0206-01	J2767-03	Soil	TCL PCBs	5/06/2019
P026-SS010-0612-01	J2767-04	Soil	TCL PCBs	5/06/2019
P026-SS010-1218-01	J2767-05	Soil	TCL PCBs	5/06/2019
P026-SS010-1824-01	J2767-06	Soil	TCL PCBs	5/06/2019
P026-SS011-0002-01	J2767-07	Soil	TCL PCBs	5/06/2019
P026-SS011-0206-01	J2767-08	Soil	TCL PCBs	5/06/2019
P026-SS011-0612-01	J2767-09	Soil	TCL PCBs	5/06/2019
P026-SS011-1218-01	J2767-10	Soil	TCL PCBs	5/06/2019
P026-SS011-1824-01	J2767-11	Soil	TCL PCBs	5/06/2019
P026-SS012-0002-01	J2767-12	Soil	TCL PCBs	5/07/2019
P026-SS012-0002-02[1]	J2767-15	Soil	TCL PCBs	5/07/2019
P026-SS012-0206-01	J2767-16	Soil	TCL PCBs	5/07/2019
P026-SS012-0612-01	J2767-17	Soil	TCL PCBs	5/07/2019
P026-SS012-1218-01	J2767-18	Soil	TCL PCBs	5/07/2019
P026-SS012-1824-01	J2767-19	Soil	TCL PCBs	5/07/2019
P026-SS013-0002-01	J2767-20	Soil	TCL PCBs	5/07/2019
P026-SS013-0206-01	J2767-21	Soil	TCL PCBs	5/07/2019
[1] A field duplicate of P026-SS012-0002-01				

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one or both columns for the following samples listed below. The re-analyses of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P026-SS012-0002-01, P026-SS012-0002-02, P026-SS012-0002-02RE, and P026-SS013-0002-01

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS012-0002-01 was used for MS/MSD analyses. The MS/MSD recoveries of Aroclor-1260 was below the acceptance criteria of the laboratory control limits; and MSD recovery for Aroclor-1016 exceeds the laboratory control limits. The RPD of Aroclor-1016 exceeded the laboratory control limit of 20%. Aroclor-1016 was not detected in the unspiked sample. Based on the high spike recovery of Aroclor-1016 in the MSD and the non-detected result in the unspiked sample, no data qualifiers were required. Since detected Aroclor-1260 was previously qualified due to non-compliance surrogate recoveries, no further action was required.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the

concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The %D of the surrogate tetrachloro-m-xylene (TCMX) exceeded the control limit in two CCVs and DCB exceeded the control limit in three CCVs. Sample results were not qualified for surrogate %Ds outside control limits.

The closing CCV analyzed on 5/12/2019 at 05:015 yielded a %D greater than (>)25 but less than (<)50% for all Aroclors on both columns. No action was required.

7. FIELD DUPLICATES:

Field duplicate sample pair P026-SS012-0002-01//P026-SS012-0002-02 yielded comparable results.

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

As per SW-846 Method 8000C, if the analyte concentration between two columns was less than or equal to (≤)40%, report the lower concentration; however, the EPA Region II SOP No. HW-45 (Revision 1.1), December 2010 uses < 25% as criterion for data evaluation.

Aroclors were detected on both GC columns in the following samples, and the percent difference between the two results was >25% but <200%, thus estimated (J).

Aroclor-1254 (J) – P026-SS010-0612-01
Aroclor-1260 (J) – P026-SS010-0612-01
Aroclor-1254 (J) – P026-SS012-0002-01[1]
Aroclor-1248 (J) – P026-SS012-0002-02[1]
Aroclor-1254 (J) – P026-SS012-0206-01
Aroclor-1254 (J) – P026-SS012-0002-02RE
Aroclor-1260 (J) – P026-SS013-0002-01[1]

[1] Sample was previously qualified due to non-compliance surrogate recoveries, no further action was required.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P026-SS012-0002-01, was re-analyzed due to low surrogate recoveries in the original analysis. The reanalysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- In Sample P026-SS012-0002-01, surrogate recoveries for decachlorobiphenyl in both columns were outside the QC limits and lab did not re-analyze the sample. Data reviewer contacted the laboratory and was told that, since this sample was used for MS/MSD analyses and surrogate failure was confirmed with MS/MSD; therefore sample was not re-analyzed.

- **12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:**
  Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

Dilution (noted in parentheses) were performed for the following samples due to Aroclor-1260 concentrations exceeding the calibration range in the undiluted sample analyses: P026-SS011-0002-01 20-times (20x), P026-SS011-0206-01(10x), P026-SS011-0612-01(20x), P026-SS011-1218-01(20x), and P026-SS011-1824-01(5x). All Aroclors except Aroclor-1260 were reported from the undiluted analyses of these samples in order to report the lowest possible reporting limits. Aroclor-1260 was reported from the diluted analyses of these samples. Due to dilution results, the laboratory qualified the associated analytes with "D" qualifiers. The "D" qualifiers were removed during validation.

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-1824-01	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01
Lab Sample ID	K2767-01	K2767-02	K2767-03	K2767-04	K2767-05
Sample weight (g)	30.16	30.11	30.13	30.07	30.08
Moisture (%)	13.9	27.7	19.6	19.2	18.1
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.3 U	2.8 U	2.5 U	2.5 U	2.4 U
Aroclor-1221	7.8 U	9.3 U	8.3 U	8.3 U	8.2 U
Aroclor-1232	7.5 U	9 U	8.1 U	8.1 U	7.9 U
Aroclor-1242	6.8 U	8.1 U	7.3 U	7.3 U	7.2 U
Aroclor-1248	6.4 U	7.6 U	6.8 U	6.8 U	6.7 U
Aroclor-1254	7.4 U	8.9 U	**32.7**	**40 J**	7.8 U
Aroclor-1262	5.8 U	6.9 U	6.2 U	6.2 U	6.1 U
Aroclor-1268	4.9 U	5.9 U	5.3 U	5.3 U	5.2 U
Aroclor-1260	5.3 U	**130**	**56.6**	**83.4 J**	**170**

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS010-1824-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01
Lab Sample ID	K2767-06	K2767-07	K2767-08	K2767-09	K2767-10
Sample weight (g)	30.03	30.04	30.01	30.11	30.13
Moisture (%)	16.8	57	64.4	33.8	29.3
Dilution Factor	1.0	1.0, *20	1.0, *10	1.0, *20	1.0, *20
PCB (ug/kg)					
Aroclor-1016	2.4 U	4.7 U	5.6 U	3 U	2.8 U
Aroclor-1221	8.1 U	15.6 U	18.9 U	10.1 U	9.5 U
Aroclor-1232	7.8 U	15.1 U	18.3 U	9.8 U	9.2 U
Aroclor-1242	7.1 U	13.7 U	16.5 U	8.9 U	8.3 U
Aroclor-1248	6.6 U	12.8 U	15.4 U	8.3 U	7.7 U
Aroclor-1254	7.7 U	15 U	18.1 U	9.7 U	9.1 U
Aroclor-1262	6 U	11.6 U	14 U	7.5 U	7 U
Aroclor-1268	5.1 U	9.9 U	12 U	6.4 U	6 U
Aroclor-1260	**50.9**	***13000**	***7200**	***7400**	***7800**

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 and 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02[1]	P026-SS012-0206-01	P026-SS012-0612-01
Lab Sample ID	K2767-11	K2767-12	K2767-15	K2767-16	K2767-17
Sample weight (g)	30.06	30.04	30.13	30.05	30.07
Moisture (%)	22.1	25.3	24.3	14	11.9
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.6 U	2.7 UJ	2.6 UJ	2.3 U	2.3 U
Aroclor-1221	8.6 U	9 UJ	8.8 UJ	7.8 U	7.6 U
Aroclor-1232	8.4 U	8.7 UJ	8.6 UJ	7.6 U	7.4 U
Aroclor-1242	7.5 U	7.9 UJ	7.7 UJ	6.8 U	6.7 U
Aroclor-1248	7 U	**60 J**	**76.9 J**	6.4 U	6.2 U
Aroclor-1254	8.3 U	**62.4 J**	**50.1 J**	**16.2 J**	7.3 U
Aroclor-1262	6.4 U	6.7 UJ	6.6 UJ	5.8 U	5.7 U
Aroclor-1268	5.5 U	5.7 UJ	5.6 UJ	4.9 U	4.8 U
Aroclor-1260	**1800**	**47.4 J**	**36.9 J**	5.4 U	5.2 U

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01
Lab Sample ID	K2767-18	K2767-19	K2767-20	K2767-21
Sample weight (g)	30.13	30.03	30.13	30.05
Moisture (%)	14	17.6	25.7	22.4
Dilution Factor	1.0	1.0	1.0	1.0
PCB (ug/kg)				
Aroclor-1016	2.3 U	2.4 U	2.7 UJ	2.6 U
Aroclor-1221	7.8 U	8.1 U	9 UJ	8.6 U
Aroclor-1232	7.5 U	7.9 U	8.7 UJ	8.4 U
Aroclor-1242	6.8 U	7.1 U	7.9 UJ	7.6 U
Aroclor-1248	6.4 U	6.7 U	7.4 UJ	7.1 U
Aroclor-1254	7.5 U	7.8 U	8.6 UJ	8.3 U
Aroclor-1262	5.8 U	6.1 U	6.7 UJ	6.4 U
Aroclor-1268	4.9 U	5.2 U	5.7 UJ	5.5 U
Aroclor-1260	5.3 U	5.6 U	**63.9 J**	**45.5**

U Not detected at the indicated concentration.

J Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

[1]A field duplicate of P026-SS012-0002-01

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2767
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the the criteria except for
P026-SS012-0002-01 [Decachlorobiphenyl(1)-44%,Decachlorobiphenyl(2) -42%],
P026-SS012-0002-01MS [Decachlorobiphenyl(1) - 51%, Decachlorobiphenyl(2) - 52%],
P026-SS012-0002-01MSD[Decachlorobiphenyl(1)- 53%, Decachlorobiphenyl(2) - 52%],
P026-SS012-0002-02 [Decachlorobiphenyl(1) -49%, Decachlorobiphenyl(2) - 49%],
P026-SS012-0002-02RE [Decachlorobiphenyl(1) -53%, Decachlorobiphenyl(2) - 56%] ,
P026-SS013-0002-01 [Decachlorobiphenyl(1) - 59%].
Due to the high concentration of AR1260 on the samples the Decachlorobiphenyl is suspected to have matrix interference and the data is released based on the recovery of TCMX. No further corrective action was taken

The Retention Times were meeting for all samples.

The MS {K2767-13MS} with File ID: PO056169.D recoveries met the requirements for all compounds except for AR1260 [43%]

The MSD {K2767-14MSD} with File ID: PO056170.D recoveries met the requirements except for AR1016 [157%], AR1260 [41%]
Due to bad matrix the MS/MSD is failing for above compounds.

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The RPD for {K2767-14MSD} with File ID: PO056170.D met criteria except for AR1016 [33%]
The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PO056124.D met the requirements except for Tetrachloro-m-xylene is failing in first column. It is passing in second column.

The closing Continuous Calibration File ID PO056138.D met the requirements except for Aroclor-1016(Peak-01,02,03,04,05),Decachlorobiphenyl, Tetrachloro-m-xylene is failing in both columns .This associated sample has no positive hit and blanks is passing for qc criteria ,therefore No further correction was taken.

The Continuous Calibration File ID PO056229.D, PO056241.D met the requirements except for Decachlorobiphenyl is failing in second column. It is passing in first column

Samples P026-SS011-0002-01, P026-SS011-0206-01, P026-SS011-0612-01, P026-SS011-1218-01 and P026-SS011-1824-01 were diluted due to high concentrations.

E. Additional Comments:
Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,
Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%Moisture}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:57 pm, May 17, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13.9 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056127.D	1	05/11/19 09:25	05/12/19 01:00	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.6	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.6	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.6	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.6	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.6	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.6	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.6	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.6	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.8		10 - 166	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 125	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	27.7 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056156.D	1	05/11/19 09:25	05/12/19 15:40	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.8	U	2.8	23.4	ug/kg
11104-28-2	Aroclor-1221	9.3	U	9.3	23.4	ug/kg
11141-16-5	Aroclor-1232	9	U	9	23.4	ug/kg
53469-21-9	Aroclor-1242	8.1	U	8.1	23.4	ug/kg
12672-29-6	Aroclor-1248	7.6	U	7.6	23.4	ug/kg
11097-69-1	Aroclor-1254	8.9	U	8.9	23.4	ug/kg
37324-23-5	Aroclor-1262	6.9	U	6.9	23.4	ug/kg
11100-14-4	Aroclor-1268	5.9	U	5.9	23.4	ug/kg
11096-82-5	Aroclor-1260	130		6.4	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		10 - 166	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 - 125	79%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.6 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056157.D	1	05/11/19 09:25	05/12/19 15:56	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.1	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21.1	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.1	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.1	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21.1	ug/kg
11097-69-1	Aroclor-1254	32.7		8	21.1	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.1	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.1	ug/kg
11096-82-5	Aroclor-1260	56.6		5.7	21.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		10 - 166	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 125	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056158.D	1	05/11/19 09:25	05/12/19 16:13	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21	ug/kg
11104-28-2	Aroclor-1221	8.3	U	8.3	21	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21	ug/kg
11097-69-1	Aroclor-1254	40	~~P~~ J	8	21	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21	ug/kg
11096-82-5	Aroclor-1260	83.4	~~P~~ J	5.7	21	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.4		10 - 166	132%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 125	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056159.D	1	05/11/19 09:25	05/12/19 16:30	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.7	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.7	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.7	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.7	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.7	ug/kg
11097-69-1	Aroclor-1254	7.8	U	7.8	20.7	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.7	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.7	ug/kg
11096-82-5	Aroclor-1260	170		5.6	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.6		10 - 166	138%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 125	98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056160.D	1	05/11/19 09:25	05/12/19 16:47	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	50.9		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.2		10 - 166	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		60 - 125	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	57 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056161.D	1	05/11/19 09:25	05/12/19 17:04	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.7	U	4.7	39.5	ug/kg
11104-28-2	Aroclor-1221	15.6	U	15.6	39.5	ug/kg
11141-16-5	Aroclor-1232	15.1	U	15.1	39.5	ug/kg
53469-21-9	Aroclor-1242	13.7	U	13.7	39.5	ug/kg
12672-29-6	Aroclor-1248	12.8	U	12.8	39.5	ug/kg
11097-69-1	Aroclor-1254	15	U	15	39.5	ug/kg
37324-23-5	Aroclor-1262	11.6	U	11.6	39.5	ug/kg
11100-14-4	Aroclor-1268	9.9	U	9.9	39.5	ug/kg
11096-82-5	Aroclor-1260 *13000 ~~10000~~ ~~E~~			10.7	39.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.4		10 - 166	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		60 - 125	94%	SPK: 20

* 20xDIF- Value transferred from the dilution analysis.

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-07DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	57 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056146.D	20	05/11/19 09:25	05/12/19 12:33	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	93	UD	93	790	ug/kg
11104-28-2	Aroclor-1221	310	UD	310	790	ug/kg
11141-16-5	Aroclor-1232	300	UD	300	790	ug/kg
53469-21-9	Aroclor-1242	270	UD	270	790	ug/kg
12672-29-6	Aroclor-1248	260	UD	260	790	ug/kg
11097-69-1	Aroclor-1254	300	UD	300	790	ug/kg
37324-23-5	Aroclor-1262	230	UD	230	790	ug/kg
11100-14-4	Aroclor-1268	200	UD	200	790	ug/kg
11096-82-5	Aroclor-1260	13000	D	210	790	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	31.2		10 - 166	156%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125	117%	SPK: 20

5K0119

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	64.4 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056162.D	1	05/11/19 09:25	05/12/19 17:21	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.6	U	5.6	47.7	ug/kg
11104-28-2	Aroclor-1221	18.9	U	18.9	47.7	ug/kg
11141-16-5	Aroclor-1232	18.3	U	18.3	47.7	ug/kg
53469-21-9	Aroclor-1242	16.5	U	16.5	47.7	ug/kg
12672-29-6	Aroclor-1248	15.4	U	15.4	47.7	ug/kg
11097-69-1	Aroclor-1254	18.1	U	18.1	47.7	ug/kg
37324-23-5	Aroclor-1262	14	U	14	47.7	ug/kg
11100-14-4	Aroclor-1268	12	U	12	47.7	ug/kg
11096-82-5	Aroclor-1260 *7200	~~7500~~	~~E~~	12.9	47.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		10 - 166	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		60 - 125	70%	SPK: 20

* 10 x DIF - value transferred from the dilution analysis

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-08DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	64.4 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

D.O not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056147.D	10	05/11/19 09:25	05/12/19 12:50	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	56.2	UD	56.2	480	ug/kg
11104-28-2	Aroclor-1221	190	UD	190	480	ug/kg
11141-16-5	Aroclor-1232	180	UD	180	480	ug/kg
53469-21-9	Aroclor-1242	170	UD	170	480	ug/kg
12672-29-6	Aroclor-1248	150	UD	150	480	ug/kg
11097-69-1	Aroclor-1254	180	UD	180	480	ug/kg
37324-23-5	Aroclor-1262	140	UD	140	480	ug/kg
11100-14-4	Aroclor-1268	120	UD	120	480	ug/kg
11096-82-5	Aroclor-1260	7200	D	130	480	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		10 - 166	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		60 - 125	74%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	33.8 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056163.D	1	05/11/19 09:25	05/12/19 17:38	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3	U	3	25.6	ug/kg
11104-28-2	Aroclor-1221	10.1	U	10.1	25.6	ug/kg
11141-16-5	Aroclor-1232	9.8	U	9.8	25.6	ug/kg
53469-21-9	Aroclor-1242	8.9	U	8.9	25.6	ug/kg
12672-29-6	Aroclor-1248	8.3	U	8.3	25.6	ug/kg
11097-69-1	Aroclor-1254	9.7	U	9.7	25.6	ug/kg
37324-23-5	Aroclor-1262	7.5	U	7.5	25.6	ug/kg
11100-14-4	Aroclor-1268	6.4	U	6.4	25.6	ug/kg
11096-82-5	Aroclor-1260 * 7400	~~6000~~	~~E~~	6.9	25.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22		10 - 166	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 125	84%	SPK: 20

* 20xDIF – Value transferred from the dilution analysis. –

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-09DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	33.8 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056148.D	20	05/11/19 09:25	05/12/19 13:07	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	60.3	UD	60.3	510	ug/kg
11104-28-2	Aroclor-1221	200	UD	200	510	ug/kg
11141-16-5	Aroclor-1232	200	UD	200	510	ug/kg
53469-21-9	Aroclor-1242	180	UD	180	510	ug/kg
12672-29-6	Aroclor-1248	170	UD	170	510	ug/kg
11097-69-1	Aroclor-1254	190	UD	190	510	ug/kg
37324-23-5	Aroclor-1262	150	UD	150	510	ug/kg
11100-14-4	Aroclor-1268	130	UD	130	510	ug/kg
11096-82-5	Aroclor-1260	7400	D	140	510	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.2		10 - 166	126%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		60 - 125	106%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	29.3 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056164.D	1	05/11/19 09:25	05/12/19 17:55	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.8	U	2.8	23.9	ug/kg
11104-28-2	Aroclor-1221	9.5	U	9.5	23.9	ug/kg
11141-16-5	Aroclor-1232	9.2	U	9.2	23.9	ug/kg
53469-21-9	Aroclor-1242	8.3	U	8.3	23.9	ug/kg
12672-29-6	Aroclor-1248	7.7	U	7.7	23.9	ug/kg
11097-69-1	Aroclor-1254	9.1	U	9.1	23.9	ug/kg
37324-23-5	Aroclor-1262	7	U	7	23.9	ug/kg
11100-14-4	Aroclor-1268	6	U	6	23.9	ug/kg
11096-82-5	Aroclor-1260 *7800	~~5900~~	~~E~~	6.5	23.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		10 - 166	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		60 - 125	77%	SPK: 20

* 20+DIF - Value transferred from the dilution analysis. —

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-10DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	29.3 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056149.D	20	05/11/19 09:25	05/12/19 13:24	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	56.4	UD	56.4	480	ug/kg
11104-28-2	Aroclor-1221	190	UD	190	480	ug/kg
11141-16-5	Aroclor-1232	180	UD	180	480	ug/kg
53469-21-9	Aroclor-1242	170	UD	170	480	ug/kg
12672-29-6	Aroclor-1248	150	UD	150	480	ug/kg
11097-69-1	Aroclor-1254	180	UD	180	480	ug/kg
37324-23-5	Aroclor-1262	140	UD	140	480	ug/kg
11100-14-4	Aroclor-1268	120	UD	120	480	ug/kg
11096-82-5	Aroclor-1260	7800	D	130	480	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	30.4		10 - 166	152%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 125	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/06/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS011-1824-01		SDG No.:	K2767	
Lab Sample ID:	K2767-11		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	22.1	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056167.D	1	05/11/19 09:25	05/12/19 19:03	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	21.8	ug/kg
11104-28-2	Aroclor-1221	8.6	U	8.6	21.8	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	21.8	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.8	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.8	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	21.8	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.8	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.8	ug/kg
11096-82-5	Aroclor-1260 *1800	~~1700~~	~~E~~	5.9	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.7		10 - 166	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 125	86%	SPK: 20

* 5x DIF - value transferred from the dilution analysis -

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1824-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-11DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

DO not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056150.D	5	05/11/19 09:25	05/12/19 13:41	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	12.8	UD	12.8	110	ug/kg
11104-28-2	Aroclor-1221	43	UD	43	110	ug/kg
11141-16-5	Aroclor-1232	41.8	UD	41.8	110	ug/kg
53469-21-9	Aroclor-1242	37.7	UD	37.7	110	ug/kg
12672-29-6	Aroclor-1248	35.2	UD	35.2	110	ug/kg
11097-69-1	Aroclor-1254	41.3	UD	41.3	110	ug/kg
37324-23-5	Aroclor-1262	32	UD	32	110	ug/kg
11100-14-4	Aroclor-1268	27.3	UD	27.3	110	ug/kg
11096-82-5	Aroclor-1260	1800	D	29.5	110	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		10 - 166	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 125	89%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	25.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056168.D	1	05/11/19 09:25	05/12/19 19:20	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.7	U	2.7	22.7	ug/kg
11104-28-2	Aroclor-1221	9	U	9	22.7	ug/kg
11141-16-5	Aroclor-1232	8.7	U	8.7	22.7	ug/kg
53469-21-9	Aroclor-1242	7.9	U	7.9	22.7	ug/kg
12672-29-6	Aroclor-1248	60		7.4	22.7	ug/kg
11097-69-1	Aroclor-1254	62.4	P	8.6	22.7	ug/kg
37324-23-5	Aroclor-1262	6.7	U	6.7	22.7	ug/kg
11100-14-4	Aroclor-1268	5.7	U	5.7	22.7	ug/kg
11096-82-5	Aroclor-1260	47.4		6.2	22.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		10 - 166	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.8	*	60 - 125	44%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2767
Lab Sample ID:	K2767-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24.3 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056171.D	1	05/11/19 09:25	05/12/19 20:10	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	22.4	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.4	ug/kg
11141-16-5	Aroclor-1232	8.6	U	8.6	22.4	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.4	ug/kg
12672-29-6	Aroclor-1248	76.9	P	7.2	22.4	ug/kg
11097-69-1	Aroclor-1254	50.1		8.5	22.4	ug/kg
37324-23-5	Aroclor-1262	6.6	U	6.6	22.4	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.4	ug/kg
11096-82-5	Aroclor-1260	36.9		6.1	22.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17		10 - 166	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.86	*	60 - 125	49%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02RE	SDG No.:	K2767
Lab Sample ID:	K2767-15RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24.3 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056231.D	1	05/11/19 09:25	05/14/19 16:14	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U J	2.6	22.4	ug/kg
11104-28-2	Aroclor-1221	8.8	U	8.8	22.4	ug/kg
11141-16-5	Aroclor-1232	8.6	U	8.6	22.4	ug/kg
53469-21-9	Aroclor-1242	7.7	U	7.7	22.4	ug/kg
12672-29-6	Aroclor-1248	55		7.2	22.4	ug/kg
11097-69-1	Aroclor-1254	74.8	P J	8.5	22.4	ug/kg
37324-23-5	Aroclor-1262	6.6	U	6.6	22.4	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.4	ug/kg
11096-82-5	Aroclor-1260	44.5		6.1	22.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		10 - 166	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.2	*	60 - 125	56%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056172.D	1	05/11/19 09:25	05/12/19 20:27	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.7	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.7	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.7	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.7	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.7	ug/kg
11097-69-1	Aroclor-1254	16.2	~~JP~~ J	7.5	19.7	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.7	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.7	ug/kg
11096-82-5	Aroclor-1260	5.4	U	5.4	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		10 - 166	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 125	78%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056173.D	1	05/11/19 09:25	05/12/19 20:44	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.3	ug/kg
11104-28-2	Aroclor-1221	7.6	U	7.6	19.3	ug/kg
11141-16-5	Aroclor-1232	7.4	U	7.4	19.3	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.3	ug/kg
12672-29-6	Aroclor-1248	6.2	U	6.2	19.3	ug/kg
11097-69-1	Aroclor-1254	7.3	U	7.3	19.3	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.3	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19.3	ug/kg
11096-82-5	Aroclor-1260	5.2	U	5.2	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		10 - 166	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.9		60 - 125	64%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056174.D	1	05/11/19 09:25	05/12/19 21:01	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.7	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.7	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.7	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.7	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.7	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.7	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.7	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.7	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		10 - 166	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.6		60 - 125	63%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/07/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS012-1824-01		SDG No.:	K2767	
Lab Sample ID:	K2767-19		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	17.6	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056175.D	1	05/11/19 09:25	05/12/19 21:18	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.6	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.6	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.6	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.6	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.6	ug/kg
11097-69-1	Aroclor-1254	7.8	U	7.8	20.6	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.6	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.6	ug/kg
11096-82-5	Aroclor-1260	5.6	U	5.6	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27		10 - 166	135%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		60 - 125	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-20	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	25.7 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056232.D	1	05/11/19 09:25	05/14/19 16:31	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.7	U	2.7	22.8	ug/kg
11104-28-2	Aroclor-1221	9	U	9	22.8	ug/kg
11141-16-5	Aroclor-1232	8.7	U	8.7	22.8	ug/kg
53469-21-9	Aroclor-1242	7.9	U	7.9	22.8	ug/kg
12672-29-6	Aroclor-1248	7.4	U	7.4	22.8	ug/kg
11097-69-1	Aroclor-1254	8.6	U	8.6	22.8	ug/kg
37324-23-5	Aroclor-1262	6.7	U	6.7	22.8	ug/kg
11100-14-4	Aroclor-1268	5.7	U	5.7	22.8	ug/kg
11096-82-5	Aroclor-1260	63.9	P	6.2	22.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		10 - 166	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.3		60 - 125	61%	SPK: 20

5/20/19

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-21	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056177.D	1	05/11/19 09:25	05/12/19 21:52	PB119646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	21.9	ug/kg
11104-28-2	Aroclor-1221	8.6	U	8.6	21.9	ug/kg
11141-16-5	Aroclor-1232	8.4	U	8.4	21.9	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	21.9	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	21.9	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	21.9	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.9	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.9	ug/kg
11096-82-5	Aroclor-1260	45.5		5.9	21.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		10 - 166	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.3		60 - 125	61%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH
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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2767	OrderDate:	5/9/2019 9:54:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2767-01	P026-SS009-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-02	P026-SS010-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-03	P026-SS010-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-04	P026-SS010-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-05	P026-SS010-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-06	P026-SS010-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-07	P026-SS011-0002-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-07DL	P026-SS011-0002-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-08	P026-SS011-0206-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	

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LAB CHRONICLE

K2767-08DL	P026-SS011-0206-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-09	P026-SS011-0612-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-09DL	P026-SS011-0612-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-10	P026-SS011-1218-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-10DL	P026-SS011-1218-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-11	P026-SS011-1824-01	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-11DL	P026-SS011-1824-01DL	SOIL			05/06/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-12	P026-SS012-0002-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-15	P026-SS012-0002-02	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	
K2767-15RE	P026-SS012-0002-02RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2767-16	P026-SS012-0206-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/12/19	

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LAB CHRONICLE

K2767-17	**P026-SS012-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/11/19	05/12/19	
K2767-18	**P026-SS012-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/11/19	05/12/19	
K2767-19	**P026-SS012-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/11/19	05/12/19	
K2767-20	**P026-SS013-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/11/19	05/14/19	
K2767-21	**P026-SS013-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/11/19	05/12/19	

K2767

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS009-1824-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:29	1	8 oz glass	4 C	N
	P026-SS009-1824-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:29	1	8 oz glass	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:36	1	8 oz glass	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:36	1	8 oz glass	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:42	1	8 oz glass	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:42	1	8 oz glass	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:50	1	8 oz glass	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:50	1	8 oz glass	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:57	1	8 oz glass	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:57	1	8 oz glass	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	17:02	1	8 oz glass	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:02	1	8 oz glass	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:08	1	8 oz glass	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:08	1	8 oz glass	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	17:15	1	8 oz glass	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:15	1	8 oz glass	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:19	1	8 oz glass	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:19	1	8 oz glass	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
1All Samples 2All Analyses	[signature] - Wilton RSD	5/9/2019 900	[signature]	5-9-19 0935	23°C

K2767

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: B-7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS011-1218-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS012-0002-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:02	2	8 oz glass	4 C	Y
	P026-SS012-0002-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:02	2	8 oz glass	4 C	Y
	P026-SS012-0002-02	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:02	1	8 oz glass	4 C	N
	P026-SS012-0002-02	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:02	1	8 oz glass	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:09	1	8 oz glass	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:09	1	8 oz glass	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:15	1	8 oz glass	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:15	1	8 oz glass	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:22	1	8 oz glass	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:22	1	8 oz glass	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:32	1	8 oz glass	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:32	1	8 oz glass	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	RCRA Metals (Solid)	5/7/2019	08:37	1	8 oz glass	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:37	1	8 oz glass	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:42	1	8 oz glass	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:42	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analysis	Wilson RSTI	5/9/2019 900		5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 19/Soils

Lab Order No.: K2768 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/5/2019

Verified By: **Date:** 6/5/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2768				
P026-SS013-0612-01	J2768-01	Soil	TCL PCBs	5/07/2019
P026-SS013-1218-01	J2768-02	Soil	TCL PCBs	5/07/2019
P026-SS013-1824-01	J2768-03	Soil	TCL PCBs	5/07/2019
P026-SS014-0002-01	J2768-04	Soil	TCL PCBs	5/07/2019
P026-SS014-0206-01	J2768-05	Soil	TCL PCBs	5/07/2019
P026-SS014-0612-01	J2768-06	Soil	TCL PCBs	5/07/2019
P026-SS014-1218-01	J2768-07	Soil	TCL PCBs	5/07/2019
P026-SS014-1824-01	J2768-08	Soil	TCL PCBs	5/07/2019
P026-SS015-0002-01	J2768-09	Soil	TCL PCBs	5/07/2019
P026-SS015-0206-01	J2768-10	Soil	TCL PCBs	5/07/2019
P026-SS015-0612-01	J2768-11	Soil	TCL PCBs	5/07/2019
P026-SS015-1218-01	J2768-12	Soil	TCL PCBs	5/07/2019
P026-SS015-1824-01	J2768-13	Soil	TCL PCBs	5/07/2019
P026-SS015-1824-02[1]	J2768-16	Soil	TCL PCBs	5/07/2019
P026-SS016-0002-01	J2768-17	Soil	TCL PCBs	5/07/2019
P026-SS016-0206-01	J2768-18	Soil	TCL PCBs	5/07/2019
P026-SS016-0612-01	J2768-19	Soil	TCL PCBs	5/07/2019
P026-SS016-1218-01	J2768-20	Soil	TCL PCBs	5/07/2019
P026-SS016-1824-01	J2768-21	Soil	TCL PCBs	5/07/2019

[1] A field duplicate of P026-SS015-1824-01

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample

quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:
All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one or both columns for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268:
P026-SS013-0612-01, P026-SS013-0612-01RE, P026-SS013-1218-01, P026-SS013-1218-01RE, P026-SS013-1824-01, P026-SS013-1824-01RE, P026-SS014-0002-01, P026-SS014-0002-01DL, P026-SS014-0612-01DL, P026-SS014-1218-01, P026-SS014-1218-01DL, P026-SS016-0002-01, P026-SS016-0002-01RE, P026-SS016-1218-01, and P026-SS015-0002-01

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS015-1824-01 was used for MS/MSD analyses which yielded acceptable MS/MSD recoveries.

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2769. No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

The %D of the surrogate DCB exceeded the control limit in one CCV. Sample results were not qualified for surrogate %Ds outside control limits.

7. FIELD DUPLICATES:

All Aroclor results were comparable between sample P026-SS015-1824-01 and its field duplicate P026-SS015-1824-02.

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P026-SS013-0612-01, P026-SS013-1218-01, P026-SS013-1824-01, and P026-SS016-0002-01, were re-analyzed due to low surrogate recoveries in the original analysis. The reanalysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Samples P026-SS014-0002-01 and P026-SS014-1218-01, had low surrogate recoveries. These samples were diluted due to Aroclor-1260 concentrations exceeding the calibration range in the undiluted sample analyses. The dilution analysis also yielded low surrogate recoveries. Original samples analyses were used for reporting purpose, except Aroclor-1260 which was reported from the diluted analyses of these samples

- Laboratory indicated in case narrative that, according to method, one surrogate is allowed to fail to meet the criteria per column. In samples P026-SS016-1218-01 and P026-SS015-0002-01, only one surrogate is outside the acceptance criteria and lab did not re-analyze the sample.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

Dilution (noted in parentheses) were performed for the following samples due to Aroclor-1260 concentrations exceeding the calibration range in the undiluted sample analyses: P026-SS014-0002-01 (5-times [5x]), P026-SS014-0206-01(5x), P026-SS014-0612-01(4x), and P026-SS014-1218-01(4x). All Aroclors except Aroclor-1260 were reported from the undiluted analyses of these samples in order to report the lowest possible reporting limits. Aroclor-1260 was reported from the diluted analyses of these samples. Due to dilution results, the laboratory qualified the associated analytes with "D" qualifiers. The "D" qualifiers were removed during validation.

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01
Lab Sample ID	K2768-01	K2768-02	K2768-03	K2768-04	K2768-05
Sample weight (g)	30.09	30.13	30.14	30.05	30.13
Moisture (%)	22.1	16.9	16.2	41.1	28.7
Dilution Factor	1.0	1.0	1.0	1.0, *5.0	1.0, *5.0
PCB (ug/kg)					
Aroclor-1016	2.6 U J	2.4 U J	2.4 U J	3.4 U J	2.8 U
Aroclor-1221	8.6 UJ	8 UJ	8 UJ	11.4 UJ	9.4 U
Aroclor-1232	8.3 UJ	7.8 UJ	7.7 UJ	11.1 UJ	9.1 U
Aroclor-1242	7.5 UJ	7.1 UJ	7 UJ	10 UJ	8.2 U
Aroclor-1248	7 UJ	6.6 UJ	6.5 UJ	9.3 UJ	7.7 U
Aroclor-1254	8.2 UJ	7.7 UJ	7.7 UJ	10.9 UJ	9 U
Aroclor-1262	6.4 UJ	6 UJ	5.9 UJ	8.5 UJ	7 U
Aroclor-1268	5.5 UJ	5.1 UJ	5.1 UJ	7.2 UJ	6 U
Aroclor-1260	**19.2 J**	**21.6 J**	**11.6 J**	***2600 J**	***2100**

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS014-0612-01	P026-SS014-1218-01	P026-SS014-1824-01	P026-SS015-0002-01	P026-SS015-0206-01
Lab Sample ID	K2768-06	K2768-07	K2768-08	K2768-09	K2768-10
Sample weight (g)	30.06	30.03	30.08	30.04	30.15
Moisture (%)	23	18.5	10.3	15.7	9.1
Dilution Factor	1.0, *4.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.6 U	2.5 UJ	2.2 U	2.4 UJ	2.2 U
Aroclor-1221	8.7 U	8.2 UJ	7.5 U	8 UJ	7.4 U
Aroclor-1232	8.5 U	8 UJ	7.2 U	7.7 UJ	7.1 U
Aroclor-1242	7.6 U	7.2 UJ	6.5 U	7 UJ	6.4 U
Aroclor-1248	7.1 U	6.7 UJ	6.1 U	6.5 UJ	6 U
Aroclor-1254	8.3 U	7.9 UJ	7.2 U	7.6 UJ	7.1 U
Aroclor-1262	6.5 U	6.1 UJ	5.6 U	5.9 UJ	5.5 U
Aroclor-1268	5.5 U	5.2 UJ	4.7 U	5.1 UJ	4.7 U
Aroclor-1260	***630 J**	***570 J**	**110**	**27.5 J**	**7.4 J**

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02[1]	P026-SS016-0002-01
Lab Sample ID	K2768-11	K2768-12	K2768-13	K2768-16	K2768-17
Sample weight (g)	30.05	30.1	30.04	30.12	30.1
Moisture (%)	10.5	10.4	12.6	10.5	19.9
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	2.2 U	2.2 U	2.3 U	2.2 U	2.5 UJ
Aroclor-1221	7.5 U	7.5 U	7.7 U	7.5 U	8.4 UJ
Aroclor-1232	7.3 U	7.3 U	7.5 U	7.3 U	8.1 UJ
Aroclor-1242	6.6 U	6.6 U	6.7 U	6.6 U	7.3 UJ
Aroclor-1248	6.1 U	6.1 U	6.3 U	6.1 U	6.8 UJ
Aroclor-1254	7.2 U	7.2 U	7.4 U	7.2 U	8 UJ
Aroclor-1262	5.6 U	5.6 U	5.7 U	5.6 U	6.2 UJ
Aroclor-1268	4.8 U	4.7 U	4.9 U	4.7 U	5.3 UJ
Aroclor-1260	**9.6 J**	5.1 U	5.3 U	**8.6 J**	**31 J**

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01
Lab Sample ID	K2768-18	K2768-19	K2768-20	K2768-21
Sample weight (g)	30.09	30.08	30.15	30.05
Moisture (%)	14.3	17.6	13.4	14.9
Dilution Factor	1.0	1.0	1.0	1.0
PCB (ug/kg)				
Aroclor-1016	2.3 U	2.4 U	2.3 UJ	2.3 U
Aroclor-1221	7.8 U	8.1 U	7.7 UJ	7.9 U
Aroclor-1232	7.6 U	7.9 U	7.5 UJ	7.6 U
Aroclor-1242	6.9 U	7.1 U	6.8 UJ	6.9 U
Aroclor-1248	6.4 U	6.7 U	6.3 UJ	6.5 U
Aroclor-1254	7.5 U	7.8 U	7.4 UJ	7.6 U
Aroclor-1262	5.8 U	6 U	5.7 UJ	5.9 U
Aroclor-1268	5 U	5.2 U	4.9 UJ	5 U
Aroclor-1260	**29.3**	**19.1 J**	**7.2 J**	**11.4 J**

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

[1]A field duplicate of P026-SS015-1824-01

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2768
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for;
P026-SS013-0612-01 [Decachlorobiphenyl(1) - 44%, Decachlorobiphenyl(2) - 45%],
P026-SS013-0612-01RE [Decachlorobiphenyl(1) - 45%, Decachlorobiphenyl(2) - 47%],
P026-SS013-1218-01 [Decachlorobiphenyl(1) - 56%, Decachlorobiphenyl(2) - 59%],
P026-SS013-1218-01RE [Decachlorobiphenyl(1) - 56%, Decachlorobiphenyl(2) - 58%],
P026-SS013-1824-01 [Decachlorobiphenyl(1) - 49%, Decachlorobiphenyl(2) - 51%],
P026-SS013-1824-01RE [Decachlorobiphenyl(1) - 50%, Decachlorobiphenyl(2) - 52%],
P026-SS014-0002-01 [Decachlorobiphenyl(2) - 53%],
P026-SS014-0002-01DL [Decachlorobiphenyl(2) - 57%],
P026-SS014-0612-01DL [Decachlorobiphenyl(1) - 35%, Decachlorobiphenyl(2) - 36%],
P026-SS014-1218-01 [Decachlorobiphenyl(1) - 48%, Decachlorobiphenyl(2) - 47%],
P026-SS014-1218-01DL [Decachlorobiphenyl(1) - 20%, Decachlorobiphenyl(2) - 21%],
P026-SS015-0002-01 [Decachlorobiphenyl(1) - 56%],
P026-SS016-0002-01 [Decachlorobiphenyl(1) - 47%, Decachlorobiphenyl(2) - 53%],
P026-SS016-0002-01RE [Decachlorobiphenyl(1) - 49%, Decachlorobiphenyl(2) - 55%] and P026-SS016-1218-01 [Decachlorobiphenyl(1) - 54%]. Due to the high concentration of AR1260 on the samples the Decachlorobiphenyl is suspected to have matrix

interference and the data is released based on the recovery of TCMX. No further corrective action was taken.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.
The Continuous Calibration File ID PQ039776.D met the requirements except for Decachlorobiphenyl is failing in 1st column.

Samples P026-SS014-0002-01, P026-SS014-0206-01, P026-SS014-0612-01 and P026-SS014-1218-01 were diluted due to high concentrations.

E. Additional Comments:
Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%\text{Moisture}}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:59 pm, May 17, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056263.D	1	05/11/19 10:54	05/15/19 16:47	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	21.8	ug/kg
11104-28-2	Aroclor-1221	8.6	U	8.6	21.8	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.8	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.8	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.8	ug/kg
11097-69-1	Aroclor-1254	8.2	U	8.2	21.8	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.8	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.8	ug/kg
11096-82-5	Aroclor-1260	19.2	J	5.9	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		10 - 166	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.05	*	60 - 125	45%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01RE	SDG No.:	K2768
Lab Sample ID:	K2768-01RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056266.D	1	05/11/19 10:54	05/15/19 17:55	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	21.8	ug/kg
11104-28-2	Aroclor-1221	8.6	U	8.6	21.8	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.8	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.8	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.8	ug/kg
11097-69-1	Aroclor-1254	8.2	U	8.2	21.8	ug/kg
37324-23-5	Aroclor-1262	6.4	U	6.4	21.8	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	21.8	ug/kg
11096-82-5	Aroclor-1260	20.7	J	5.9	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		10 - 166	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.44	*	60 - 125	47%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.9 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056264.D	1	05/11/19 10:54	05/15/19 17:04	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	21.6		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		10 - 166	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.7	*	60 - 125	59%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01RE	SDG No.:	K2768
Lab Sample ID:	K2768-02RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.9 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056267.D	1	05/11/19 10:54	05/15/19 18:12	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.4	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.4	ug/kg
11141-16-5	Aroclor-1232	7.8	U	7.8	20.4	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.4	ug/kg
12672-29-6	Aroclor-1248	6.6	U	6.6	20.4	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.4	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.4	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.4	ug/kg
11096-82-5	Aroclor-1260	21.8		5.5	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		10 - 166	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.7	*	60 - 125	58%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.2 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056265.D	1	05/11/19 10:54	05/15/19 17:21	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.2	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.2	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20.2	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.2	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.2	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.2	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.2	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.2	ug/kg
11096-82-5	Aroclor-1260	11.6	J	5.5	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		10 - 166	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.2	*	60 - 125	51%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01RE	SDG No.:	K2768
Lab Sample ID:	K2768-03RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	16.2 Decanted:
Sample Wt/Vol:	30.14 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056268.D	1	05/11/19 10:54	05/15/19 18:29	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.2	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.2	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20.2	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.2	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.2	ug/kg
11097-69-1	Aroclor-1254	7.7	U	7.7	20.2	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.2	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.2	ug/kg
11096-82-5	Aroclor-1260	12.7	J	5.5	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		10 - 166	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.4	*	60 - 125	52%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/07/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS014-0002-01		SDG No.:	K2768	
Lab Sample ID:	K2768-04		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	41.1	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056269.D	1	05/11/19 10:54	05/15/19 19:03	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.4	U	3.4	28.8	ug/kg
11104-28-2	Aroclor-1221	11.4	U	11.4	28.8	ug/kg
11141-16-5	Aroclor-1232	11.1	U	11.1	28.8	ug/kg
53469-21-9	Aroclor-1242	10	U	10	28.8	ug/kg
12672-29-6	Aroclor-1248	9.3	U	9.3	28.8	ug/kg
11097-69-1	Aroclor-1254	10.9	U	10.9	28.8	ug/kg
37324-23-5	Aroclor-1262	8.5	U	8.5	28.8	ug/kg
11100-14-4	Aroclor-1268	7.2	U	7.2	28.8	ug/kg
11096-82-5	Aroclor-1260	2700	E	7.8	28.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		10 - 166	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	14		60 - 125	70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0002-01DL	SDG No.:	K2768
Lab Sample ID:	K2768-04DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	41.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056270.D	5	05/11/19 10:54	05/15/19 19:37	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17	UD	17	140	ug/kg
11104-28-2	Aroclor-1221	56.9	UD	56.9	140	ug/kg
11141-16-5	Aroclor-1232	55.3	UD	55.3	140	ug/kg
53469-21-9	Aroclor-1242	49.9	UD	49.9	140	ug/kg
12672-29-6	Aroclor-1248	46.6	UD	46.6	140	ug/kg
11097-69-1	Aroclor-1254	54.6	UD	54.6	140	ug/kg
37324-23-5	Aroclor-1262	42.3	UD	42.3	140	ug/kg
11100-14-4	Aroclor-1268	36.1	UD	36.1	140	ug/kg
11096-82-5	Aroclor-1260	2600	D	39.1	140	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		10 - 166	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		60 - 125	64%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	28.7 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056271.D	1	05/11/19 10:54	05/15/19 20:11	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.8	U	2.8	23.7	ug/kg
11104-28-2	Aroclor-1221	9.4	U	9.4	23.7	ug/kg
11141-16-5	Aroclor-1232	9.1	U	9.1	23.7	ug/kg
53469-21-9	Aroclor-1242	8.2	U	8.2	23.7	ug/kg
12672-29-6	Aroclor-1248	7.7	U	7.7	23.7	ug/kg
11097-69-1	Aroclor-1254	9	U	9	23.7	ug/kg
37324-23-5	Aroclor-1262	7	U	7	23.7	ug/kg
11100-14-4	Aroclor-1268	6	U	6	23.7	ug/kg
11096-82-5	Aroclor-1260	2200	E	6.4	23.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24		10 - 166	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		60 - 125	81%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01DL	SDG No.:	K2768
Lab Sample ID:	K2768-05DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	28.7 Decanted:
Sample Wt/Vol:	30.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056279.D	5	05/11/19 10:54	05/16/19 07:56	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	14	UD	14	120	ug/kg
11104-28-2	Aroclor-1221	46.9	UD	46.9	120	ug/kg
11141-16-5	Aroclor-1232	45.5	UD	45.5	120	ug/kg
53469-21-9	Aroclor-1242	41.1	UD	41.1	120	ug/kg
12672-29-6	Aroclor-1248	38.4	UD	38.4	120	ug/kg
11097-69-1	Aroclor-1254	45	UD	45	120	ug/kg
37324-23-5	Aroclor-1262	34.9	UD	34.9	120	ug/kg
11100-14-4	Aroclor-1268	29.8	UD	29.8	120	ug/kg
11096-82-5	Aroclor-1260	2100	D	32.2	120	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.9		10 - 166	125%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		60 - 125	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056273.D	1	05/11/19 10:54	05/15/19 21:19	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22	ug/kg
11104-28-2	Aroclor-1221	8.7	U	8.7	22	ug/kg
11141-16-5	Aroclor-1232	8.5	U	8.5	22	ug/kg
53469-21-9	Aroclor-1242	7.6	U	7.6	22	ug/kg
12672-29-6	Aroclor-1248	7.1	U	7.1	22	ug/kg
11097-69-1	Aroclor-1254	8.3	U	8.3	22	ug/kg
37324-23-5	Aroclor-1262	6.5	U	6.5	22	ug/kg
11100-14-4	Aroclor-1268	5.5	U	5.5	22	ug/kg
11096-82-5	Aroclor-1260	730	E	6	22	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24		10 - 166	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 125	85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01DL	SDG No.:	K2768
Lab Sample ID:	K2768-06DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	23 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056274.D	4	05/11/19 10:54	05/15/19 21:53	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	10.4	UD	10.4	88.1	ug/kg
11104-28-2	Aroclor-1221	34.8	UD	34.8	88.1	ug/kg
11141-16-5	Aroclor-1232	33.8	UD	33.8	88.1	ug/kg
53469-21-9	Aroclor-1242	30.5	UD	30.5	88.1	ug/kg
12672-29-6	Aroclor-1248	28.5	UD	28.5	88.1	ug/kg
11097-69-1	Aroclor-1254	33.4	UD	33.4	88.1	ug/kg
37324-23-5	Aroclor-1262	25.9	UD	25.9	88.1	ug/kg
11100-14-4	Aroclor-1268	22.1	UD	22.1	88.1	ug/kg
11096-82-5	Aroclor-1260	630	D	23.9	88.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		10 - 166	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.3		60 - 125	71%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056275.D	1	05/11/19 10:54	05/15/19 22:27	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	20.8	ug/kg
11104-28-2	Aroclor-1221	8.2	U	8.2	20.8	ug/kg
11141-16-5	Aroclor-1232	8	U	8	20.8	ug/kg
53469-21-9	Aroclor-1242	7.2	U	7.2	20.8	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.8	ug/kg
11097-69-1	Aroclor-1254	7.9	U	7.9	20.8	ug/kg
37324-23-5	Aroclor-1262	6.1	U	6.1	20.8	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.8	ug/kg
11096-82-5	Aroclor-1260	670	E	5.7	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		10 - 166	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.63	*	60 - 125	48%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/07/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS014-1218-01DL		SDG No.:	K2768	
Lab Sample ID:	K2768-07DL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	18.5	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO056276.D	4	05/11/19 10:54	05/15/19 23:01	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	9.8	UD	9.8	83.4	ug/kg
11104-28-2	Aroclor-1221	32.9	UD	32.9	83.4	ug/kg
11141-16-5	Aroclor-1232	32	UD	32	83.4	ug/kg
53469-21-9	Aroclor-1242	28.9	UD	28.9	83.4	ug/kg
12672-29-6	Aroclor-1248	27	UD	27	83.4	ug/kg
11097-69-1	Aroclor-1254	31.6	UD	31.6	83.4	ug/kg
37324-23-5	Aroclor-1262	24.5	UD	24.5	83.4	ug/kg
11100-14-4	Aroclor-1268	20.9	UD	20.9	83.4	ug/kg
11096-82-5	Aroclor-1260	570	D	22.6	83.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.2		10 - 166	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.44	*	60 - 125	42%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039771.D	1	05/11/19 10:54	05/14/19 15:06	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.9	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	18.9	ug/kg
11141-16-5	Aroclor-1232	7.2	U	7.2	18.9	ug/kg
53469-21-9	Aroclor-1242	6.5	U	6.5	18.9	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.9	ug/kg
11097-69-1	Aroclor-1254	7.2	U	7.2	18.9	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	18.9	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.9	ug/kg
11096-82-5	Aroclor-1260	110		5.1	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.9		10 - 166	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		60 - 125	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	15.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039772.D	1	05/11/19 10:54	05/14/19 15:23	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.1	ug/kg
11104-28-2	Aroclor-1221	8	U	8	20.1	ug/kg
11141-16-5	Aroclor-1232	7.7	U	7.7	20.1	ug/kg
53469-21-9	Aroclor-1242	7	U	7	20.1	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	20.1	ug/kg
11097-69-1	Aroclor-1254	7.6	U	7.6	20.1	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	20.1	ug/kg
11100-14-4	Aroclor-1268	5.1	U	5.1	20.1	ug/kg
11096-82-5	Aroclor-1260	27.5		5.5	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		10 - 166	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		60 - 125	60%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	9.1 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039773.D	1	05/11/19 10:54	05/14/19 15:41	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.6	ug/kg
11104-28-2	Aroclor-1221	7.4	U	7.4	18.6	ug/kg
11141-16-5	Aroclor-1232	7.1	U	7.1	18.6	ug/kg
53469-21-9	Aroclor-1242	6.4	U	6.4	18.6	ug/kg
12672-29-6	Aroclor-1248	6	U	6	18.6	ug/kg
11097-69-1	Aroclor-1254	7.1	U	7.1	18.6	ug/kg
37324-23-5	Aroclor-1262	5.5	U	5.5	18.6	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.6	ug/kg
11096-82-5	Aroclor-1260	7.4	J	5	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.2		10 - 166	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		60 - 125	79%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039774.D	1	05/11/19 10:54	05/14/19 15:58	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	19	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	19	ug/kg
11141-16-5	Aroclor-1232	7.3	U	7.3	19	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	19	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	19	ug/kg
11097-69-1	Aroclor-1254	7.2	U	7.2	19	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	19	ug/kg
11100-14-4	Aroclor-1268	4.8	U	4.8	19	ug/kg
11096-82-5	Aroclor-1260	9.6	J	5.1	19	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.5		10 - 166	73%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		60 - 125	79%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.4 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039743.D	1	05/11/19 10:54	05/13/19 19:56	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.9	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	18.9	ug/kg
11141-16-5	Aroclor-1232	7.3	U	7.3	18.9	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	18.9	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.9	ug/kg
11097-69-1	Aroclor-1254	7.2	U	7.2	18.9	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	18.9	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.9	ug/kg
11096-82-5	Aroclor-1260	5.1	U	5.1	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		10 - 166	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	17		60 - 125	85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	12.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039744.D	1	05/11/19 10:54	05/13/19 20:13	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.4	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.4	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.4	ug/kg
53469-21-9	Aroclor-1242	6.7	U	6.7	19.4	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.4	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.4	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.4	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.4	ug/kg
11096-82-5	Aroclor-1260	5.3	U	5.3	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.2		10 - 166	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 125	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2768
Lab Sample ID:	K2768-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	10.5 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039747.D	1	05/11/19 10:54	05/13/19 21:05	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.2	U	2.2	18.9	ug/kg
11104-28-2	Aroclor-1221	7.5	U	7.5	18.9	ug/kg
11141-16-5	Aroclor-1232	7.3	U	7.3	18.9	ug/kg
53469-21-9	Aroclor-1242	6.6	U	6.6	18.9	ug/kg
12672-29-6	Aroclor-1248	6.1	U	6.1	18.9	ug/kg
11097-69-1	Aroclor-1254	7.2	U	7.2	18.9	ug/kg
37324-23-5	Aroclor-1262	5.6	U	5.6	18.9	ug/kg
11100-14-4	Aroclor-1268	4.7	U	4.7	18.9	ug/kg
11096-82-5	Aroclor-1260	8.6	J	5.1	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		10 - 166	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		60 - 125	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-17	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039748.D	1	05/11/19 10:54	05/13/19 21:22	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.2	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.2	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.2	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.2	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21.2	ug/kg
11097-69-1	Aroclor-1254	8	U	8	21.2	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.2	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.2	ug/kg
11096-82-5	Aroclor-1260	31		5.7	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		10 - 166	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.6	*	60 - 125	53%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01RE	SDG No.:	K2768
Lab Sample ID:	K2768-17RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	19.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039753.D	1	05/11/19 10:54	05/14/19 00:18	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.2	ug/kg
11104-28-2	Aroclor-1221	8.4	U	8.4	21.2	ug/kg
11141-16-5	Aroclor-1232	8.1	U	8.1	21.2	ug/kg
53469-21-9	Aroclor-1242	7.3	U	7.3	21.2	ug/kg
12672-29-6	Aroclor-1248	6.8	U	6.8	21.2	ug/kg
11097-69-1	Aroclor-1254	8	U	8	21.2	ug/kg
37324-23-5	Aroclor-1262	6.2	U	6.2	21.2	ug/kg
11100-14-4	Aroclor-1268	5.3	U	5.3	21.2	ug/kg
11096-82-5	Aroclor-1260	29.3		5.7	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		10 - 166	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.1	*	60 - 125	55%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	14.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039749.D	1	05/11/19 10:54	05/13/19 21:40	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.8	ug/kg
11104-28-2	Aroclor-1221	7.8	U	7.8	19.8	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.8	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.8	ug/kg
12672-29-6	Aroclor-1248	6.4	U	6.4	19.8	ug/kg
11097-69-1	Aroclor-1254	7.5	U	7.5	19.8	ug/kg
37324-23-5	Aroclor-1262	5.8	U	5.8	19.8	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.8	ug/kg
11096-82-5	Aroclor-1260	29.3		5.4	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.3		10 - 166	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 125	89%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	17.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039750.D	1	05/11/19 10:54	05/13/19 21:57	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.4	U	2.4	20.6	ug/kg
11104-28-2	Aroclor-1221	8.1	U	8.1	20.6	ug/kg
11141-16-5	Aroclor-1232	7.9	U	7.9	20.6	ug/kg
53469-21-9	Aroclor-1242	7.1	U	7.1	20.6	ug/kg
12672-29-6	Aroclor-1248	6.7	U	6.7	20.6	ug/kg
11097-69-1	Aroclor-1254	7.8	U	7.8	20.6	ug/kg
37324-23-5	Aroclor-1262	6	U	6	20.6	ug/kg
11100-14-4	Aroclor-1268	5.2	U	5.2	20.6	ug/kg
11096-82-5	Aroclor-1260	19.1	J	5.6	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.7		10 - 166	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 - 125	79%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-20	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	13.4 Decanted:
Sample Wt/Vol:	30.15 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039754.D	1	05/11/19 10:54	05/14/19 01:10	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.5	ug/kg
11104-28-2	Aroclor-1221	7.7	U	7.7	19.5	ug/kg
11141-16-5	Aroclor-1232	7.5	U	7.5	19.5	ug/kg
53469-21-9	Aroclor-1242	6.8	U	6.8	19.5	ug/kg
12672-29-6	Aroclor-1248	6.3	U	6.3	19.5	ug/kg
11097-69-1	Aroclor-1254	7.4	U	7.4	19.5	ug/kg
37324-23-5	Aroclor-1262	5.7	U	5.7	19.5	ug/kg
11100-14-4	Aroclor-1268	4.9	U	4.9	19.5	ug/kg
11096-82-5	Aroclor-1260	7.2	J	5.3	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		10 - 166	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		60 - 125	64%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/07/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS016-1824-01		SDG No.:	K2768	
Lab Sample ID:	K2768-21		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	14.9	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039752.D	1	05/11/19 10:54	05/13/19 22:32	PB119656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.3	U	2.3	19.9	ug/kg
11104-28-2	Aroclor-1221	7.9	U	7.9	19.9	ug/kg
11141-16-5	Aroclor-1232	7.6	U	7.6	19.9	ug/kg
53469-21-9	Aroclor-1242	6.9	U	6.9	19.9	ug/kg
12672-29-6	Aroclor-1248	6.5	U	6.5	19.9	ug/kg
11097-69-1	Aroclor-1254	7.6	U	7.6	19.9	ug/kg
37324-23-5	Aroclor-1262	5.9	U	5.9	19.9	ug/kg
11100-14-4	Aroclor-1268	5	U	5	19.9	ug/kg
11096-82-5	Aroclor-1260	11.4	J	5.4	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		10 - 166	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		60 - 125	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2768	OrderDate:	5/9/2019 9:55:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2768-01	P026-SS013-0612-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-01RE	P026-SS013-0612-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-02	P026-SS013-1218-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-02RE	P026-SS013-1218-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-03	P026-SS013-1824-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-03RE	P026-SS013-1824-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-04	P026-SS014-0002-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-04DL	P026-SS014-0002-01DL	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-05	P026-SS014-0206-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/15/19	

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LAB CHRONICLE

K2768-05DL	P026-SS014-0206-01DL	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/16/19	
K2768-06	P026-SS014-0612-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-06DL	P026-SS014-0612-01DL	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-07	P026-SS014-1218-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-07DL	P026-SS014-1218-01DL	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/15/19	
K2768-08	P026-SS014-1824-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2768-09	P026-SS015-0002-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2768-10	P026-SS015-0206-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2768-11	P026-SS015-0612-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2768-12	P026-SS015-1218-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/13/19	
K2768-13	P026-SS015-1824-01	SOIL				05/07/19		05/09/19
			PCB	8082A		05/11/19	05/13/19	

CHEMTECH
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LAB CHRONICLE

K2768-16	P026-SS015-1824-02	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/13/19	
K2768-17	P026-SS016-0002-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/13/19	
K2768-17RE	P026-SS016-0002-01RE	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2768-18	P026-SS016-0206-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/13/19	
K2768-19	P026-SS016-0612-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/13/19	
K2768-20	P026-SS016-1218-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/14/19	
K2768-21	P026-SS016-1824-01	SOIL			05/07/19			05/09/19
			PCB	8082A		05/11/19	05/13/19	

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 87
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS013-0612-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:49	1	8 oz glass	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:49	1	8 oz glass	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:54	1	8 oz glass	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:54	1	8 oz glass	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	09:02	1	8 oz glass	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:02	1	8 oz glass	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	09:07	1	8 oz glass	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:07	1	8 oz glass	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:14	1	8 oz glass	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:14	1	8 oz glass	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:21	1	8 oz glass	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:21	1	8 oz glass	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:27	1	8 oz glass	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:27	1	8 oz glass	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:33	1	8 oz glass	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:33	1	8 oz glass	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:39	1	8 oz glass	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:39	1	8 oz glass	4 C	N
	P026-SS015-0206-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:44	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampling / All Analysis	William RSTS	5/9/2019 900		5-9-19 093J	2-3°C

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS015-0206-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:44	1	8 oz glass	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:51	1	8 oz glass	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:51	1	8 oz glass	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:58	1	8 oz glass	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:58	1	8 oz glass	4 C	N
	P026-SS015-1824-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	10:04	2	8 oz glass	4 C	Y
	P026-SS015-1824-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:04	2	8 oz glass	4 C	Y
	P026-SS015-1824-02	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	10:04	1	8 oz glass	4 C	N
	P026-SS015-1824-02	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:04	1	8 oz glass	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:13	1	8 oz glass	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:13	1	8 oz glass	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:25	1	8 oz glass	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:25	1	8 oz glass	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:33	1	8 oz glass	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:33	1	8 oz glass	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:41	1	8 oz glass	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:41	1	8 oz glass	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:50	1	8 oz glass	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:50	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Groups	Wilton RST3	5/9/2019 500		5-9-19 0935	2-3°C

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site

No. of Samples/Matrix: 5/Soils, 3/Aqueous (Rinsate Blanks)

Lab Order No.: K2769 **LAB:** Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Polychlorinated Biphenyls (PCBs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL PCBs	SW-846 Method 8082A	HW-45 (Revision 1.1), December 2010

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/15/2019

Verified By: **Date:** 6/15/2019

On May 6 through 8, 2019, EPA Region II and RST 3 personnel collected five soil samples and three aqueous (rinsate blank) samples for TCL PCBs analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler's temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2769				
P026-SS017-0002-01	J2769-01	Soil	TCL PCBs	5/07/2019
P026-SS017-0206-01	J2769-02	Soil	TCL PCBs	5/07/2019
P026-SS017-0612-01	J2769-03	Soil	TCL PCBs	5/07/2019
P026-SS017-1218-01	J2769-04	Soil	TCL PCBs	5/07/2019
P026-SS017-1824-01	J2769-05	Soil	TCL PCBs	5/07/2019
RB-190506	J2769-06	Aqueous (RB)	TCL PCBs	5/06/2019
RB-190507	J2769-07	Aqueous (RB)	TCL PCBs	5/07/2019
RB-190508	J2769-08	Aqueous (RB)	TCL PCBs	5/08/2019

DATA ASSESSMENT

ANALYSIS: PCB

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with a surrogate compound prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside the laboratory QC limits, qualifications were applied to samples and analytes as shown below.

The surrogate compound decachlorobiphenyl (DCB) recoveries are less than laboratory control limits in one or both columns for the following samples listed below. The re-analyses or dilution of these samples also yielded low recoveries. The original samples were used for reporting purposes. Detected compounds are qualified (J). Non-detected compounds are qualified (UJ).

Decachlorobiphenyl
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268: P026-SS017-0002-01 and P026-SS017-0002-01RE

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not Applicable

4. Laboratory Control Samples (LCS):
LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For Aroclor analysis, if RSD exceeds 20%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):
For initial calibration verification (ICV), if the %D exceeds 30 for any analytes, estimate (J) all associated positive results and use professional judgment to qualify non-detects. For opening continuing calibration verification (CCV), or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 20 for any analytes, qualify all associated positive results "J" and non-detects "UJ". For closing CCV, if %D exceeds 20% for any analytes, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

Not Applicable

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. METHOD NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were found for this criterion.

11. OTHER PROBLEMS:

- Samples P026-SS017-0002-01 was re-analyzed due to low surrogate recoveries in the original analysis. The re-analysis also yielded the low surrogate recoveries. Original samples analyses were used for reporting purpose.

- Laboratory indicated in case narrative that, due to high concentration of Aroclor-1260 in sample P026-SS017-0002-01, surrogate DCB is suspected to have matrix interference and data is released based on the recovery of tetrachloro-m-xylene (TCMX).

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

P026-SS017-0002-01

OTHER ANALYTES WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 through 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Lab Sample ID	K2769-01	K2769-02	K2769-03	K2769-04	K2769-05
Sample weight (g)	30.06	30.12	30.16	30.05	30.11
Moisture (%)	51.1	25.7	28.1	21.4	24.6
Dilution Factor	1.0	1.0	1.0	1.0	1.0
PCB (ug/kg)					
Aroclor-1016	4.1 UJ	2.7 U	2.8 U	2.5 U	2.6 U
Aroclor-1221	13.7 UJ	9 U	9.3 U	8.5 U	8.9 U
Aroclor-1232	13.3 UJ	8.7 U	9 U	8.3 U	8.6 U
Aroclor-1242	12 UJ	7.9 U	8.1 U	7.5 U	7.8 U
Aroclor-1248	11.2 UJ	7.4 U	7.6 U	7 U	7.3 U
Aroclor-1254	13.1 UJ	8.6 U	8.9 U	8.2 U	8.5 U
Aroclor-1262	10.2 UJ	6.7 U	6.9 U	6.3 U	6.6 U
Aroclor-1268	8.7 UJ	5.7 U	5.9 U	5.4 U	5.6 U
Aroclor-1260	**180 J**	**7.9 J**	**7.3 J**	5.9 U	6.1 U

Matrix	Aqueous/Rinse Blank	Aqueous/Rinse Blank	Aqueous/Rinse Blank
Field Sample ID	RB-190506	RB-190507	RB-190508
Lab Sample ID	K2769-06	K2769-07	K2769-08
Dilution Factor	1	1	1
PCB (ug/L)			
Aroclor-1016	0.0933 U	0.0933 U	0.0933 U
Aroclor-1221	0.134 U	0.134 U	0.134 U
Aroclor-1232	0.176 U	0.176 U	0.176 U
Aroclor-1242	0.184 U	0.184 U	0.184 U
Aroclor-1248	0.115 U	0.115 U	0.115 U
Aroclor-1254	0.119 U	0.119 U	0.119 U
Aroclor-1262	0.19 U	0.19 U	0.19 U
Aroclor-1268	0.141 U	0.141 U	0.141 U
Aroclor-1260	0.14 U	0.14 U	0.14 U

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

µg/L = micrograms per liter

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2769
Test Name: PCB

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 05/09/2019.
3 Water samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_R. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3510C/3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P026-SS017-0002-01 [Decachlorobiphenyl(1) - 41%, Decachlorobiphenyl(2) - 39%],
P026-SS017-0002-01RE [Decachlorobiphenyl(1) - 43%, Decachlorobiphenyl(2) - 39%]
,RT-2683-RT-5156MSD [Decachlorobiphenyl(2) - 128%].
Due to the high concentration of AR1260 on the samples the Decachlorobiphenyl is suspected to have matrix interference and the data is released based on the recovery of TCMX. No further corrective action was taken

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria.
The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration met the requirements.

E. Additional Comments:
For Soil samples for MS/MSD for PCB analysis were not provided with this set of samples therefore lab used from another project.

Samples for MS/MSD for PCB analysis for water samples were not provided with this set of samples.The Blank Spike Duplicate is reported with the data.

Calculation for the Concentration in Water Samples

$$\text{Concentration ug/L} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vo)\,(Vi)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
Vin = Volume of extract loaded onto GPC column.
Vout = Volume of extract collected after GPC cleanup.
DF = Dilution Factor.

Calculation for the Concentration in Soil Samples

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%Moisture}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:

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Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 7:11 am, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2769
Lab Sample ID:	K2769-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	51.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
PR037849.D	1	05/13/19 08:19	05/13/19 15:50	PB119668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.1	U	4.1	34.7	ug/kg
11104-28-2	Aroclor-1221	13.7	U	13.7	34.7	ug/kg
11141-16-5	Aroclor-1232	13.3	U	13.3	34.7	ug/kg
53469-21-9	Aroclor-1242	12	U	12	34.7	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	34.7	ug/kg
11097-69-1	Aroclor-1254	13.1	U	13.1	34.7	ug/kg
37324-23-5	Aroclor-1262	10.2	U	10.2	34.7	ug/kg
11100-14-4	Aroclor-1268	8.7	U	8.7	34.7	ug/kg
11096-82-5	Aroclor-1260	180		9.4	34.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.6		10 - 166	63%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.28	*	60 - 125	41%	SPK: 20

Comments:

BS 5/18/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01RE	SDG No.:	K2769
Lab Sample ID:	K2769-01RE	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	51.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

Dana Use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PR037854.D	1	05/13/19 08:19	05/13/19 17:03	PB119668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.1	U J	4.1	34.7	ug/kg
11104-28-2	Aroclor-1221	13.7	U	13.7	34.7	ug/kg
11141-16-5	Aroclor-1232	13.3	U	13.3	34.7	ug/kg
53469-21-9	Aroclor-1242	12	U	12	34.7	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	34.7	ug/kg
11097-69-1	Aroclor-1254	13.1	U	13.1	34.7	ug/kg
37324-23-5	Aroclor-1262	10.2	U	10.2	34.7	ug/kg
11100-14-4	Aroclor-1268	8.7	U	8.7	34.7	ug/kg
11096-82-5	Aroclor-1260	170		9.4	34.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11		10 - 166	55%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.56	*	60 - 125	43%	SPK: 20

Comments:

5/18/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2769
Lab Sample ID:	K2769-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	25.7 Decanted:
Sample Wt/Vol:	30.12 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PR037850.D	1	05/13/19 08:19	05/13/19 16:05	PB119668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.7	U	2.7	22.8	ug/kg
11104-28-2	Aroclor-1221	9	U	9	22.8	ug/kg
11141-16-5	Aroclor-1232	8.7	U	8.7	22.8	ug/kg
53469-21-9	Aroclor-1242	7.9	U	7.9	22.8	ug/kg
12672-29-6	Aroclor-1248	7.4	U	7.4	22.8	ug/kg
11097-69-1	Aroclor-1254	8.6	U	8.6	22.8	ug/kg
37324-23-5	Aroclor-1262	6.7	U	6.7	22.8	ug/kg
11100-14-4	Aroclor-1268	5.7	U	5.7	22.8	ug/kg
11096-82-5	Aroclor-1260	7.9	J	6.2	22.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		10 - 166	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 125	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/07/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	P026-SS017-0612-01		SDG No.:	K2769	
Lab Sample ID:	K2769-03		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	28.1	Decanted:
Sample Wt/Vol:	30.16	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume:		
GPC Factor:	1.0	PH:			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PR037851.D	1	05/13/19 08:19	05/13/19 16:19	PB119668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.8	U	2.8	23.5	ug/kg
11104-28-2	Aroclor-1221	9.3	U	9.3	23.5	ug/kg
11141-16-5	Aroclor-1232	9	U	9	23.5	ug/kg
53469-21-9	Aroclor-1242	8.1	U	8.1	23.5	ug/kg
12672-29-6	Aroclor-1248	7.6	U	7.6	23.5	ug/kg
11097-69-1	Aroclor-1254	8.9	U	8.9	23.5	ug/kg
37324-23-5	Aroclor-1262	6.9	U	6.9	23.5	ug/kg
11100-14-4	Aroclor-1268	5.9	U	5.9	23.5	ug/kg
11096-82-5	Aroclor-1260	7.3	J	6.4	23.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.1		10 - 166	71%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		60 - 125	74%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2769
Lab Sample ID:	K2769-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	21.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PR037852.D	1	05/13/19 08:19	05/13/19 16:34	PB119668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.5	U	2.5	21.6	ug/kg
11104-28-2	Aroclor-1221	8.5	U	8.5	21.6	ug/kg
11141-16-5	Aroclor-1232	8.3	U	8.3	21.6	ug/kg
53469-21-9	Aroclor-1242	7.5	U	7.5	21.6	ug/kg
12672-29-6	Aroclor-1248	7	U	7	21.6	ug/kg
11097-69-1	Aroclor-1254	8.2	U	8.2	21.6	ug/kg
37324-23-5	Aroclor-1262	6.3	U	6.3	21.6	ug/kg
11100-14-4	Aroclor-1268	5.4	U	5.4	21.6	ug/kg
11096-82-5	Aroclor-1260	5.9	U	5.9	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		10 - 166	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 125	96%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2769
Lab Sample ID:	K2769-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	24.6 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol.:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PR037853.D	1	05/13/19 08:19	05/13/19 16:48	PB119668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2.6	U	2.6	22.5	ug/kg
11104-28-2	Aroclor-1221	8.9	U	8.9	22.5	ug/kg
11141-16-5	Aroclor-1232	8.6	U	8.6	22.5	ug/kg
53469-21-9	Aroclor-1242	7.8	U	7.8	22.5	ug/kg
12672-29-6	Aroclor-1248	7.3	U	7.3	22.5	ug/kg
11097-69-1	Aroclor-1254	8.5	U	8.5	22.5	ug/kg
37324-23-5	Aroclor-1262	6.6	U	6.6	22.5	ug/kg
11100-14-4	Aroclor-1268	5.6	U	5.6	22.5	ug/kg
11096-82-5	Aroclor-1260	6.1	U	6.1	22.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		10 - 166	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.9		60 - 125	124%	SPK: 20

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
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() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	05/06/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	RB-190506		SDG No.:	K2769	
Lab Sample ID:	K2769-06		Matrix:	WATER	
Analytical Method:	SW8082A		% Moisture:	100	Decanted:
Sample Wt/Vol:	1000 Units: mL		Final Vol:	10000	uL
Soil Aliquot Vol:	uL		Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039613.D	1	05/10/19 08:51	05/11/19 02:55	PB119623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.0933	U	0.0933	0.5	ug/L
11104-28-2	Aroclor-1221	0.134	U	0.134	0.5	ug/L
11141-16-5	Aroclor-1232	0.176	U	0.176	0.5	ug/L
53469-21-9	Aroclor-1242	0.184	U	0.184	0.5	ug/L
12672-29-6	Aroclor-1248	0.115	U	0.115	0.5	ug/L
11097-69-1	Aroclor-1254	0.119	U	0.119	0.5	ug/L
37324-23-5	Aroclor-1262	0.19	U	0.19	0.5	ug/L
11100-14-4	Aroclor-1268	0.141	U	0.141	0.5	ug/L
11096-82-5	Aroclor-1260	0.14	U	0.14	0.5	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.9		35 - 137	59%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		40 - 135	92%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190507	SDG No.:	K2769
Lab Sample ID:	K2769-07	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume:	
GPC Factor:	1.0 PH:		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039614.D	1	05/10/19 08:51	05/11/19 03:13	PB119623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.0933	U	0.0933	0.5	ug/L
11104-28-2	Aroclor-1221	0.134	U	0.134	0.5	ug/L
11141-16-5	Aroclor-1232	0.176	U	0.176	0.5	ug/L
53469-21-9	Aroclor-1242	0.184	U	0.184	0.5	ug/L
12672-29-6	Aroclor-1248	0.115	U	0.115	0.5	ug/L
11097-69-1	Aroclor-1254	0.119	U	0.119	0.5	ug/L
37324-23-5	Aroclor-1262	0.19	U	0.19	0.5	ug/L
11100-14-4	Aroclor-1268	0.141	U	0.141	0.5	ug/L
11096-82-5	Aroclor-1260	0.14	U	0.14	0.5	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.1		35 - 137	65%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		40 - 135	89%	SPK: 20

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc		Date Collected:	05/08/19	
Project:	RFP 528		Date Received:	05/09/19	
Client Sample ID:	RB-190508		SDG No.:	K2769	
Lab Sample ID:	K2769-08		Matrix:	WATER	
Analytical Method:	SW8082A		% Moisture:	100	Decanted:
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume:		
GPC Factor:	1.0	PH:			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ039615.D	1	05/10/19 08:51	05/11/19 03:31	PB119623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.0933	U	0.0933	0.5	ug/L
11104-28-2	Aroclor-1221	0.134	U	0.134	0.5	ug/L
11141-16-5	Aroclor-1232	0.176	U	0.176	0.5	ug/L
53469-21-9	Aroclor-1242	0.184	U	0.184	0.5	ug/L
12672-29-6	Aroclor-1248	0.115	U	0.115	0.5	ug/L
11097-69-1	Aroclor-1254	0.119	U	0.119	0.5	ug/L
37324-23-5	Aroclor-1262	0.19	U	0.19	0.5	ug/L
11100-14-4	Aroclor-1268	0.141	U	0.141	0.5	ug/L
11096-82-5	Aroclor-1260	0.14	U	0.14	0.5	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.7		35 - 137	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		40 - 135	91%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample
() = Laboratory InHouse Limit

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2769	**OrderDate:**	5/9/2019 9:55:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2769-01	**P026-SS017-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/13/19	05/13/19	
K2769-01RE	**P026-SS017-0002-01RE**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/13/19	05/13/19	
K2769-02	**P026-SS017-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/13/19	05/13/19	
K2769-03	**P026-SS017-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/13/19	05/13/19	
K2769-04	**P026-SS017-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/13/19	05/13/19	
K2769-05	**P026-SS017-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			PCB	8082A		05/13/19	05/13/19	
K2769-06	**RB-190506**	**WATER**			**05/06/19**			**05/09/19**
			PCB	8082A		05/10/19	05/11/19	
K2769-07	**RB-190507**	**WATER**			**05/07/19**			**05/09/19**
			PCB	8082A		05/10/19	05/11/19	
K2769-08	**RB-190508**	**WATER**			**05/08/19**			**05/09/19**
			PCB	8082A		05/10/19	05/11/19	

K2769

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS017-0002-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:56	1	8 oz glass	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:56	1	8 oz glass	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:08	1	8 oz glass	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:08	1	8 oz glass	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:12	1	8 oz glass	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:12	1	8 oz glass	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:16	1	8 oz glass	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:16	1	8 oz glass	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:20	1	8 oz glass	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:20	1	8 oz glass	4 C	N
	RB-190506	RB-190506	DI Water	PCBs (Aq)	5/6/2019	17:40	1	1 liter amber	4 C	N
	RB-190506	RB-190506	DI Water	RCRA Metals (Aq)	5/6/2019	17:40	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190506	RB-190506	DI Water	TCL SVOCs (Aq)	5/6/2019	17:40	1	1 liter amber	4 C	N
	RB-190507	RB-190507	DI Water	PCBs (Aq)	5/7/2019	15:45	1	1 liter amber	4 C	N
	RB-190507	RB-190507	DI Water	RCRA Metals (Aq)	5/7/2019	15:45	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190507	RB-190507	DI Water	TCL SVOCs (Aq)	5/7/2019	15:45	1	1 liter amber	4 C	N
	RB-190508	RB-190508	DI Water	PCBs (Aq)	5/8/2019	11:00	1	1 liter amber	4 C	N
	RB-190508	RB-190508	DI Water	RCRA Metals (Aq)	5/8/2019	11:00	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190508	RB-190508	DI Water	TCL SVOCs (Aq)	5/8/2019	11:00	1	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyses	[illegible] Weston RST3	5/14/2019 900	[illegible]	5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) GORGE NEGRON		Log-in Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS017-0002-01	MA No. ~~0100105~~ SC

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.7 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12. Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS017-0002		K2769-01	Intact
2	P026-SS017-0206		K2769-02	Intact
3	P026-SS017-0612		K2769-03	Intact
4	P026-SS017-1218		K2769-04	Intact
5	P026-SS017-1824		K2769-05	Intact
6	RB-190506		K2769-06	Intact
7	RB-190507		K2769-07	Intact
8	RB-190508		K2769-08	Intact
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1

Weston Solutions, Inc.
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax: 732-225-7037
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

RST 3-05-F-0095

TRANSMITTAL MEMO

To: Mr. David Rosoff, On-Scene Coordinator
Removal Action Branch
U.S. EPA, Region II

From: Smita Sumbaly, Data Reviewer
RST 3, Region II

Subject: Route 203 Site
Data Validation Assessment

Date: June 7, 2019

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

  TCL VOCs — 141 Samples

- Matrices and Number of Samples

  Soil — 138 Samples
  Rinsate Blanks — 3 Samples

- Sampling Dates: May 6 through 8, 2019

The final data assessment narrative and original analytical data package are attached.

cc: RST 3 SPM: Michael Lang
RST 3 SITE FILE TDD #: TO-0370-0083
RST 3 ANALYTICAL TDD #: TO-0370-0113
TASK#: 5113

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: **June 7, 2019**

TO: **Mr. David Rosoff, On-Scene Coordinator**
U.S. EPA, Region II

FROM: **Smita Sumbaly**
RST 3 Data Review Team

SUBJECT: **QA/QC Compliance Review Summary**

As requested quality control and performance measures for the data packages noted have been examined and compared to the U.S. Environmental Protection Agency (EPA) standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Holding Time
Instrument Tuning	Calibration, Initial
Internal Standard	Calibration, Continuing
Blanks	Laboratory Control Sample
Surrogate Recovery	Sample Quantification
Compound Identification	

Any statistical measures used to support the following conclusions are attached so that the information may be reviewed by others.

Summary of Results

	TCL VOC
Acceptable as Submitted	___
Acceptable with Comments	__X__
Unacceptable, Action Pending	___
Unacceptable	__X*__

Data Reviewed by: Smita Sumbaly Date: 6/7/2019

Approved By: Date: 6/7/2019

Area Code/Phone No.: (732) 585-4410

NARRATIVE

RFP# 514/TASK No.: 5113

SITE NAME: **Route 203 Site**
5225-5239 Route 203
Nassau, Rensselaer County
New York

Laboratory Name: Chemtech Consulting Group, 284 Sheffield Street, Mountainside, New Jersey 07092.

INTRODUCTION:

The laboratory's portion of this case consisted of 138 soil samples and three rinsate blanks for Target Compound List (TCL) Volatile Organic Compounds (VOCs) analysis. All samples were collected from May 6 through 8, 2019. The Chemtech Consulting Group Numbers are K2717, K2718, K2719, K2733, K2734, K2735, K2756, and K2757.

The laboratory reported no problem(s) with the receipt of these samples.

The laboratory reported no problems with the analyses of TCL VOCs.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form Is and chain of custody have been copied from the original data package and appended to the data assessment narrative for reference.

Organic:

_Y_ Holding Time	_Y_ Instrument Tuning
_Y_ Calibration, Initial	_Y_ Internal Standard Response
_Y_ Calibration, Continuing	_Y_ Surrogate Recovery
_Y_ Blanks	_Y_ MS/MSD
_Y_ Laboratory Control Sample	_Y_ Compound Identification/Quantification
_Y_ Field Duplicate	_Y_ Data Completeness

VOCs: *The non-detected results for many compounds of VOCs were rejected due to low internal standard area counts. Refer to data assessment report.

Comments: Refer to Data Assessment Narrative.

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2717

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: **Date:** 6/7/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL VOC analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample coolers' temperatures measured 4.6 and 5.3 Degrees Celsius (^{o}C) respectively.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2717				
P026-SS001-0002-01	K2717-01	Soil	TCL VOCs	5/06/2019
P026-SS001-0206-01	K2717-02	Soil	TCL VOCs	5/06/2019
P026-SS001-0612-01	K2717-03	Soil	TCL VOCs	5/06/2019
P026-SS001-1218-01	K2717-04	Soil	TCL VOCs	5/06/2019
P026-SS001-1824-01	K2717-05	Soil	TCL VOCs	5/06/2019
P026-SS002-0002-01	K2717-06	Soil	TCL VOCs	5/06/2019
P026-SS002-0206-01	K2717-07	Soil	TCL VOCs	5/06/2019
P026-SS002-0612-01	K2717-08	Soil	TCL VOCs	5/06/2019
P026-SS002-1218-01	K2717-09	Soil	TCL VOCs	5/06/2019
P026-SS002-1218-02[1]	K2717-12	Soil	TCL VOCs	5/06/2019
P026-SS002-1824-01	K2717-13	Soil	TCL VOCs	5/06/2019
P026-SS003-0002-01	K2717-14	Soil	TCL VOCs	5/06/2019
P026-SS003-0206-01	K2717-15	Soil	TCL VOCs	5/06/2019
P026-SS003-0612-01	K2717-16	Soil	TCL VOCs	5/06/2019
P026-SS003-1218-01	K2717-17	Soil	TCL VOCs	5/06/2019
P026-SS003-1824-01	K2717-18	Soil	TCL VOCs	5/06/2019
P026-SS004-0002-01	K2717-19	Soil	TCL VOCs	5/06/2019
P026-SS004-0206-01	K2717-20	Soil	TCL VOCs	5/06/2019
P026-SS004-0612-01	K2717-21	Soil	TCL VOCs	5/06/2019

[1] A field duplicate sample of P026-SS002-1218-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P026-SS001-0002-01:
J – Acetone, methylene chloride
P026-SS001-0612-01:
J – Methylene chloride
P026-SS001-0612-01RE:
J – Methylene chloride
P026-SS002-0206-01:
J - Acetone
P026-SS002-1218-02RE:
J – Methylene chloride
P026-SS002-1824-01RE:
J – Methylene chloride
P026-SS003-0612-01RE:
J – Methylene chloride
P026-SS004-0002-01:
J – Acetone

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS and/or MSD recoveries for six VOCs exceeded in-house recovery limits: bromomethane, methyl acetate, isopropylbenzene, 1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, and bromochloromethane These outlier compounds were not detected in sample P026-SS002-1218-01 and its field duplicate P026-SS002-1218-02; and would not be qualified based on the high matrix spike recoveries.

The MS/MSD analyses of sample P026-SS002-1218-01 yielded low MS/MSD recoveries for methylene chloride; the non-detected results for methylene chloride in sample P026-SS002-1218-01 and its field duplicate P026-SS002-1218-02 were estimated (UJ).

The RPD of bromomethane exceeded the acceptance criteria in the MS/MSD analyses of sample P026-SS002-1218-01. This compound was not detected in sample P001-SS016-0006-01 and its field duplicate P026-SS002-1218-02; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

Methylene chloride was detected in soil method blank VW0510SBL01 above method detection limit (MDL) but below the contract required quantitation limit (CRQL). The methylene chloride concentration in samples P026-SS004-0002-91 was also reported less than the 2 times (2x) the CRQLs. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations reported to below CRQL have been elevated to the CRQL.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2719. No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $\leq$20 for all target analytes. For the opening or closing CCV, %D must be $\leq$20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r $\geq$ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 6, 2019 and May 7, 2019 on instruments MSVOA_D and MSVOA.F respectively, the %RSD was greater than (>) 20 for methyl acetate. For the initial calibration performed on May 9, 2019 on instrument MSVOA_W, the %RSD was >20 for dichlorodifluoromethane. Methyl acetate and dichlorodifluoromethane were fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.F, the %RSD was > 20 for 1, 2, 3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P026-SS001-1218-01, P026-SS001-0002-01, P026-SS001-0206-01, P026-SS002-0206-01, P026-SS002-0612-01, P026-SS002-1218-01, P026-SS001-0612-01, P026-SS002-1218-02, P026-SS002-1824-01, P026-SS003-0206-01, P026-SS003-0612-01, P026-SS001-0612-01RE, P026-SS002-1218-02RE, P026-SS002-1824-01RE, P026-SS003-0612-01RE, P026-SS004-0002-01RE and P026-SS004-0206-01, no action were required.

For the CCV analyzed 5/8/2019 at 10:18 on instrument MSVOA_D, the %D was >20 for 2-butanone and carbon tetrachloride. The non-detected results for these compounds were estimated (UJ) for sample P026-SS001-1218-01 and P026-SS001-0002-01.

For the CCV analyzed 5/9/2019 at 13:23 on instrument MSVOA_D, the %D was >20 for bromomethane, acetone, carbon tetrachloride, 1,2-dichloroethane,1,2-dichloropropane, bromodichloromethane, t-1,3-dichloropropene, cis-1,3-dichloropropene, 1,1,2-trichloroethane,2-hexanone, and 1,2-dibromoethane. The non-detected results for these compounds were estimated (UJ) in samples P026-SS001-0206-01, P026-SS002-0206-01, P026-SS002-0612-01, P026-SS002-1218-01, P026-SS001-0612-01, P026-SS002-1218-02, P026-SS002-1824-01, P026-SS003-0206-01, and P026-SS003-0612-01.

For the CCV analyzed 5/10/2019 at 10:32 on instrument MSVOA_D, the %D was >20 for chloromethane, bromomethane, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for samples P026-SS001-0612-01RE, P026-SS002-1218-02RE, P026-SS002-1824-01RE, and P026-SS003-0612-01RE.

For the CCV analyzed 5/11/2019 at 10:48 on instrument MSVOA_D, the %D was >20 for bromomethane, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for samples P026-SS004-0002-01RE and P026-SS004-0206-01.

For the CCV analyzed 5/11/2019 at 10:42 on instrument MSVOA_F, the %D was >20 for acetone and carbon tetrachloride. The non-detected results for these compounds were estimated (UJ) for sample P026-SS004-0612-01.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that

IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".
If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but less than (<)50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P026-SS001-0612-01, P026-SS002-1218-02, P026-SS003-0612-01, P026-SS002-1824-01RE, P026-SS004-0002-01RE, and P026-SS001-1824-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS001-0612-01, P026-SS002-1218-02, P026-SS003-0612-01, P026-SS004-0002-01RE, and P026-SS001-1824-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS001-0612-01, P026-SS002-1218-02, P026-SS003-0612-01, P026-SS004-0002-01RE, and P026-SS001-1824-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS001-0612-01, P026-SS002-1218-02, P026-SS003-0612-01, P026-SS002-1824-01, P026-SS002-1218-02RE, P026-SS004-0002-01RE, P026-SS001-1824-01, P026-SS002-0002-01, P026-SS003-0002-01, and P026-SS003-1218-01
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P026-SS001-0002-01 and P026-SS004-0002-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS001-0002-01 And P026-SS004-0002-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS001-0002-01 And P026-SS004-0002-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS001-0002-01, P026-SS004-0002-01, P026-SS004-0002-01RE
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P026-SS002-1218-01MS and P026-SS002-1218-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Samples P026-SS002-1218-01 / P026-SS002-1218-02 were submitted as field duplicate pairs. All criteria were met for all field duplicate pairs.

9. COMPOUND IDENTIFICATION:
Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

TICs were not reported

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

The recoveries of 1,3-dichlorobenzene and 1,2, 3-trichlorobenzene exceeded the acceptance criteria in the laboratory control sample (LCS) associated with sample P026-SS004-0002-01RE and P026-SS0-04-0206-01. The non-detected results for these compounds were not qualified.

The recoveries of carbon tetrachloride, chloroform, 1,1,1-trichloroethane, and cis-1.3-dichloropropene exceeded the acceptance criteria in the LCS associated with sample P026-SS004-0612-01. The non-detected results for these compound were not qualified.

All four internal standards failed in samples P026-SS001-0002-01, P026-SS001-1824-01; and 1,4-Dichlorobenzene-d4 internal standard failed in samples P026-SS002-0002-01, and P026-SS003-0002-01. The case narrative indicated that the first analyses of this sample was performed using Vial A for low level volatile fraction and Vial B did not purge well; and there was no other vial left for further analysis. Therefore, laboratory reported final analysis from vial A run. As a corrective action, the lab reported vial B raw data in miscellaneous as screening data.

1,4-Dichlorobenzene-d4 internal standard failed in sample P026-SS003-1218-01. Due to instrument error laboratory lost Vial A, therefore lab was not able to do the reanalysis of this sample for failing internal standard and reported results from vial B run as final data.

1,4-Dichloroethane-d4 surrogate failed in samples P026-SS001-0002-01, P026-SS001-0206-01, and P026-SS002-0206-01. The case narrative indicated that the first analyses of this sample was performed using Vial A for low level volatile fraction and Vial B did not purge well; and there was no other vial left for further analysis. Therefore, laboratory reported final analysis from vial A run. As a corrective action, the lab reported vial B raw data in miscellaneous as screening data.

The laboratory noted in the case narrative that, for sample P001-SS016-0612-01, Vial B run for Encore did not match with the Vial A results. There were no more vials for further analysis.

Samples P026-SS001-0612-01, P026-SS002-1218-02, P026-SS002-1824-01, P026-SS003-0612-01, and P026-SS004-0002-01 were re-analyzed due to surrogate and/or internal standard failures.

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

Where more than one analysis was reported for a sample, the following results were reported: P026-SS001-0612-01RE, P026-SS002-1218-02RE, O026-SS002-1824-01, P026-SS003-0612-01RE, and P026-SS004-0002-01RE

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01RE	P026-SS001-1218-01	P026-SS001-1824-01
Lab Sample ID	K2717-01	K2717-02	K2717-03RE	K2717-04	K2717-05
Sample weight (g)	5.66	4.86	5	5.15	6.2
Moisture (%)	14.9	10.3	7.8	10.6	11.7
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	R	1 U	0.99 U	0.99 U	0.83 UJ
Chloromethane	R	2 U	1.9 UJ	1.9 U	1.6 UJ
Vinyl Chloride	R	1.3 U	1.2 U	1.2 U	1 UJ
Bromomethane	R	0.43 UJ	0.41 UJ	0.41 U	0.35 UJ
Chloroethane	R	0.66 U	0.62 U	0.62 U	0.53 UJ
Trichlorofluoromethane	R	0.74 U	0.7 U	0.7 U	0.59 UJ
1,1,2-Trichlorotrifluoroethane	R	0.92 U	0.87 U	0.87 U	0.73 UJ
1,1-Dichloroethene	R	1.1 U	1.1 U	1.1 U	0.91 UJ
Acetone	**190 J+**	8.8 UJ	8.3 U	8.3 U	**10.2 J+**
Carbon Disulfide	R	1.2 U	1.2 U	1.2 U	0.98 UJ
Methyl tert-butyl Ether	R	1.6 U	1.5 U	1.5 U	1.3 UJ
Methyl Acetate	R	3.2 U	3 U	3.1 U	2.6 UJ
Methylene Chloride	**19.5 J+**	6 U	**7.7 J**	**12**	**19.4 J+**
trans-1,2-Dichloroethene	R	1.4 U	1.4 U	1.4 U	1.1 UJ
1,1-Dichloroethane	R	1 U	0.99 U	0.99 U	0.83 UJ
Cyclohexane	R	2.1 U	1.9 U	2 U	1.6 UJ
2-Butanone	R	7.7 U	7.2 U	7.2 UJ	6.1 UJ
Carbon Tetrachloride	R	0.95 UJ	0.89 U	0.9 UJ	0.75 UJ
cis-1,2-Dichloroethene	R	1.1 U	1.1 U	1.1 U	0.9 UJ
Bromochloromethane	R	1.4 U	1.3 U	1.3 U	1.1 UJ
Chloroform	R	0.99 U	0.94 U	0.94 U	0.79 UJ
1,1,1-Trichloroethane	R	1.2 U	1.1 U	1.1 U	0.97 UJ
Methylcyclohexane	R	1.4 U	1.3 U	1.3 U	1.1 UJ
Benzene	R	0.96 U	0.91 U	0.91 U	0.77 UJ
1,2-Dichloroethane	R	1.4 UJ	1.3 U	1.3 U	1.1 UJ
Trichloroethene	R	1.1 U	1 U	1 U	0.85 UJ
1,2-Dichloropropane	R	1.4 UJ	1.4 U	1.4 U	1.1 UJ
Bromodichloromethane	R	1.1 UJ	1.1 U	1.1 U	0.91 UJ
4-Methyl-2-Pentanone	R	6.4 U	6.1 U	6.1 U	5.1 UJ
Toluene	R	1.1 U	1.1 U	1.1 U	0.89 UJ
t-1,3-Dichloropropene	R	1.2 UJ	1.1 U	1.1 U	0.92 UJ
cis-1,3-Dichloropropene	R	1.2 UJ	1.2 U	1.2 U	0.98 UJ
1,1,2-Trichloroethane	R	1.6 UJ	1.5 U	1.5 U	1.3 UJ
2-Hexanone	R	8.5 UJ	8 U	8 U	6.7 UJ
Dibromochloromethane	R	1.5 U	1.4 U	1.4 U	1.2 UJ
1,2-Dibromoethane	R	1.5 UJ	1.4 U	1.4 U	1.2 UJ
Tetrachloroethene	R	0.8 U	0.75 U	0.75 U	0.63 UJ
Chlorobenzene	R	0.9 U	0.85 U	0.86 U	0.72 UJ
Ethyl Benzene	R	0.98 U	0.93 U	0.93 U	0.78 UJ
m/p-Xylenes	R	1.9 U	1.8 U	1.8 U	1.5 UJ
o-Xylene	R	1.3 U	1.2 U	1.2 U	1 UJ
Styrene	R	1.1 U	1.1 U	1.1 U	0.91 UJ
Bromoform	R	3.8 U	3.6 U	3.6 U	3 UJ
Isopropylbenzene	R	0.99 U	0.94 U	0.94 U	0.79 UJ
1,1,2,2-Tetrachloroethane	R	1.2 U	1.2 U	1.2 U	0.99 UJ
1,3-Dichlorobenzene	R	1.2 U	1.2 U	1.2 U	0.97 UJ
1,4-Dichlorobenzene	R	1.2 U	1.1 U	1.1 U	0.96 UJ
1,2-Dichlorobenzene	R	1.5 U	1.4 U	1.4 U	1.2 UJ
1,2-Dibromo-3-Chloropropane	R	3.8 U	3.6 U	3.6 U	3 UJ
1,2,4-Trichlorobenzene	R	1.3 U	1.2 U	1.2 U	1 UJ
1,2,3-Trichlorobenzene	R	1.5 U	1.4 UJ	1.4 U	1.2 UJ

U: Not detected at the indicated concentration.
J: Estimated result/J+: Estimate result with a high bias
RE: Reanalysis
µg/Kg = micrograms per kilogram
R: Rejected
Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01	P026-SS001-1218-02RE[1]
Lab Sample ID	K2717-06	K2717-07	K2717-08	K2717-09	K2717-12RE
Sample weight (g)	3.34	4.67	5.51	5.31	5.68
Moisture (%)	28.3	22.6	20.1	19.8	19.6
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.9 U	1.3 U	1 U	1.1 U	0.99 U
Chloromethane	3.7 U	2.5 U	2 U	2.1 U	2 UJ
Vinyl Chloride	2.3 U	1.5 U	1.3 U	1.3 U	1.2 U
Bromomethane	0.79 U	0.52 UJ	0.43 UJ	0.44 UJ	0.41 UJ
Chloroethane	1.2 U	0.8 U	0.65 U	0.68 U	0.63 U
Trichlorofluoromethane	1.3 U	0.89 U	0.73 U	0.76 U	0.71 U
1,1,2-Trichlorotrifluoroethane	1.7 U	1.1 U	0.91 U	0.94 U	0.88 U
1,1-Dichloroethene	2.1 U	1.4 U	1.1 U	1.2 U	1.1 U
Acetone	**16.5 J**	**12.9 J**	**15.6 J**	9 UJ	8.4 U
Carbon Disulfide	**5.4 J**	1.5 U	1.2 U	1.3 U	1.2 U
Methyl tert-butyl Ether	2.9 U	1.9 U	1.6 U	1.6 U	1.5 U
Methyl Acetate	5.9 U	3.9 U	3.2 U	3.3 U	3.1 U
Methylene Chloride	**38.8 B**	7.2 U	5.9 U	6.1 U	**8.3 J**
trans-1,2-Dichloroethene	2.6 U	1.7 U	1.4 U	1.5 U	1.4 U
1,1-Dichloroethane	1.9 U	1.3 U	1 U	1.1 U	1 U
Cyclohexane	3.8 U	2.5 U	2 U	2.1 U	2 U
2-Butanone	13.9 U	9.2 U	7.6 U	7.8 U	7.3 U
Carbon Tetrachloride	1.7 U	1.1 UJ	0.94 UJ	0.97 UJ	0.9 U
cis-1,2-Dichloroethene	2.1 U	1.4 U	1.1 U	1.2 U	1.1 U
Bromochloromethane	2.5 U	1.6 U	1.4 U	1.4 U	1.3 U
Chloroform	1.8 U	1.2 U	0.98 U	1 U	0.95 U
1,1,1-Trichloroethane	2.2 U	1.5 U	1.2 U	1.2 U	1.2 U
Methylcyclohexane	2.5 U	1.6 U	1.3 U	1.4 U	1.3 U
Benzene	1.8 U	1.2 U	0.95 U	0.98 U	0.92 U
1,2-Dichloroethane	2.5 U	1.7 UJ	1.4 UJ	1.4 UJ	1.3 U
Trichloroethene	1.9 U	1.3 U	1.1 U	1.1 U	1 U
1,2-Dichloropropane	2.6 U	1.7 UJ	1.4 UJ	1.5 UJ	1.4 U
Bromodichloromethane	2.1 U	1.4 UJ	1.1 UJ	1.2 UJ	1.1 U
4-Methyl-2-Pentanone	11.7 U	7.7 U	6.4 U	6.6 U	6.1 U
Toluene	2 U	1.3 U	1.1 U	1.1 U	1.1 U
t-1,3-Dichloropropene	2.1 U	1.4 UJ	1.1 UJ	1.2 UJ	1.1 U
cis-1,3-Dichloropropene	2.2 U	1.5 UJ	1.2 UJ	1.3 UJ	1.2 U
1,1,2-Trichloroethane	3 U	2 UJ	1.6 UJ	1.7 UJ	1.6 U
2-Hexanone	15.4 U	10.2 UJ	8.4 UJ	8.7 UJ	8.1 U
Dibromochloromethane	2.7 U	1.8 U	1.5 U	1.5 U	1.4 U
1,2-Dibromoethane	2.7 U	1.8 UJ	1.5 UJ	1.5 U	1.4 U
Tetrachloroethene	1.5 U	0.96 U	0.79 U	0.82 U	0.76 U
Chlorobenzene	1.6 U	1.1 U	0.89 U	0.92 U	0.86 U
Ethyl Benzene	1.8 U	1.2 U	0.97 U	1 U	0.93 U
m/p-Xylenes	3.5 U	2.3 U	1.9 U	1.9 U	1.8 U
o-Xylene	2.3 U	1.5 U	1.2 U	1.3 U	1.2 U
Styrene	2.1 U	1.4 U	1.1 U	1.2 U	1.1 U
Bromoform	6.8 U	4.5 U	3.7 U	3.9 U	3.6 U
Isopropylbenzene	1.8 UJ	1.2 U	0.98 U	1 U	0.95 UJ
1,1,2,2-Tetrachloroethane	2.3 UJ	1.5 U	1.2 U	1.3 U	1.2 UJ
1,3-Dichlorobenzene	2.2 UJ	1.5 U	1.2 U	1.3 U	1.2 UJ
1,4-Dichlorobenzene	2.2 UJ	1.5 U	1.2 U	1.2 U	1.2 UJ
1,2-Dichlorobenzene	2.6 UJ	1.8 U	1.4 U	1.5 U	1.4 UJ
1,2-Dibromo-3-Chloropropane	6.9 UJ	4.6 U	3.8 U	3.9 U	3.6 UJ
1,2,4-Trichlorobenzene	2.3 UJ	1.5 U	1.3 U	1.3 U	1.2 UJ
1,2,3-Trichlorobenzene	2.7 UJ	1.8 U	1.4 U	1.5 U	1.4 UJ

U: Not detected at the indicated concentration.

J: Estimated result/J+: Estimate result with a high bias

[1] A field duplicate of P026-SS002-1218-01

RE; Reanalysis

µg/Kg = micrograms per kilogram

B: analyte found in associated method blank

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-1824-01	P026-SS003-0002-01	P026-SS003-0206-01	P026-SS003-0612-01RE	P026-SS003-1218-01
Lab Sample ID	K2717-13	K2717-14	K2717-15	K2717-16RE	K2717-17
Sample weight (g)	5.42	3.76	4.83	5.21	4.57
Moisture (%)	15.8	30.2	22.9	24	23.8
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1 U	1.7 U	1.2 U	1.1 U	1.3 U
Chloromethane	2 U	3.4 U	2.4 U	2.3 UJ	2.6 U
Vinyl Chloride	1.2 U	2.1 U	1.5 U	1.4 U	1.6 U
Bromomethane	0.41 UJ	0.72 U	0.51 UJ	0.48 UJ	0.54 U
Chloroethane	0.63 U	1.1 U	0.77 U	0.73 U	0.83 U
Trichlorofluoromethane	0.71 U	1.2 U	0.87 U	0.82 U	0.93 U
1,1,2-Trichlorotrifluoroethane	0.88 U	1.5 U	1.1 U	1 U	1.2 U
1,1-Dichloroethene	1.1 U	1.9 U	1.3 U	1.3 U	1.4 U
Acetone	8.4 UJ	**17.5 J**	10.3 UJ	9.7 U	**12.3 J**
Carbon Disulfide	1.2 U	2 U	1.4 U	1.4 U	1.5 U
Methyl tert-butyl Ether	1.5 U	2.7 U	1.9 U	1.8 U	2 U
Methyl Acetate	3.1 U	5.4 U	3.8 U	3.5 U	4 U
Methylene Chloride	5.7 U	**42.9 B**	7 U	**9.5 J**	**34.8 B**
trans-1,2-Dichloroethene	1.4 U	2.4 U	1.7 U	1.6 U	1.8 U
1,1-Dichloroethane	1 U	1.7 U	1.2 U	1.1 U	1.3 U
Cyclohexane	2 U	3.4 U	2.4 U	2.3 U	2.6 U
2-Butanone	7.3 U	12.7 U	9 U	8.4 U	9.6 U
Carbon Tetrachloride	0.9 UJ	1.6 U	1.1 UJ	1 U	1.2 U
cis-1,2-Dichloroethene	1.1 U	1.9 U	1.3 U	1.2 U	1.4 U
Bromochloromethane	1.3 U	2.3 U	1.6 U	1.5 U	1.7 U
Chloroform	0.95 U	1.6 U	1.2 U	1.1 U	1.2 U
1,1,1-Trichloroethane	1.2 U	2 U	1.4 U	1.3 U	1.5 U
Methylcyclohexane	1.3 U	2.2 U	1.6 U	1.5 U	1.7 U
Benzene	0.92 U	1.6 U	1.1 U	1.1 U	1.2 U
1,2-Dichloroethane	1.3 UJ	2.3 U	1.6 UJ	1.5 U	1.7 U
Trichloroethene	1 U	1.8 U	1.3 U	1.2 U	1.3 U
1,2-Dichloropropane	1.4 UJ	2.4 U	1.7 UJ	1.6 U	1.8 U
Bromodichloromethane	1.1 UJ	1.9 U	1.3 UJ	1.3 U	1.4 U
4-Methyl-2-Pentanone	6.1 U	10.7 U	7.5 U	7.1 U	8 U
Toluene	1.1 U	1.9 U	1.3 U	1.2 U	1.4 U
t-1,3-Dichloropropene	1.1 UJ	1.9 U	1.4 UJ	1.3 U	1.4 U
cis-1,3-Dichloropropene	1.2 UJ	2 U	1.4 UJ	1.4 U	1.5 U
1,1,2-Trichloroethane	1.6 UJ	2.7 U	1.9 UJ	1.8 U	2 U
2-Hexanone	8.1 UJ	14.1 U	9.9 UJ	9.3 U	10.6 U
Dibromochloromethane	1.4 U	2.5 U	1.8 U	1.7 U	1.9 U
1,2-Dibromoethane	1.4 UJ	2.5 U	1.7 U	1.6 U	1.9 U
Tetrachloroethene	0.76 U	1.3 U	0.93 U	0.88 U	1 U
Chlorobenzene	0.86 U	1.5 U	1.1 U	0.99 U	1.1 U
Ethyl Benzene	0.94 U	1.6 U	1.1 U	1.1 U	1.2 U
m/p-Xylenes	1.8 U	3.1 U	2.2 U	2.1 U	2.4 U
o-Xylene	1.2 U	2.1 U	1.5 U	1.4 U	1.6 U
Styrene	1.1 U	1.9 U	1.3 U	1.3 U	1.4 U
Bromoform	3.6 U	6.2 U	4.4 U	4.1 U	4.7 U
Isopropylbenzene	0.95 UJ	1.6 UJ	1.2 U	1.1 U	1.2 UJ
1,1,2,2-Tetrachloroethane	1.2 UJ	2.1 UJ	1.5 U	1.4 U	1.6 UJ
1,3-Dichlorobenzene	1.2 UJ	2 UJ	1.4 U	1.3 U	1.5 UJ
1,4-Dichlorobenzene	1.2 UJ	2 UJ	1.4 U	1.3 U	1.5 UJ
1,2-Dichlorobenzene	1.4 UJ	2.4 UJ	1.7 U	1.6 U	1.8 UJ
1,2-Dibromo-3-Chloropropane	3.6 UJ	6.3 UJ	4.5 U	4.2 U	4.8 UJ
1,2,4-Trichlorobenzene	1.2 UJ	2.1 UJ	1.5 U	1.4 U	1.6 UJ
1,2,3-Trichlorobenzene	1.4 UJ	2.4 UJ	1.7 U	1.6 UJ	1.8 UJ

U: Not detected at the indicated concentration

J: Estimated result/J+: Estimate result with a high bias

B: analyte found in associated method blank

RE: Reanalysis

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS003-1824-01	P026-SS004-0002-01RE	P026-SS004-0206-01	P026-SS004-0612-01
Lab Sample ID	K2717-18	K2717-19RE	K2717-20	K2717-21
Sample weight (g)	4.07	5.12	6.77	5.01
Moisture (%)	22.8	17.1	10	7.5
Dilution Factor	1	1	1	1
Volatile Organic Compounds (ug/kg)				
Dichlorodifluoromethane	1.4 U	1.1 UJ	0.75 U	0.98 U
Chloromethane	2.8 U	2.1 UJ	1.5 U	1.9 U
Vinyl Chloride	1.8 U	1.3 UJ	0.91 U	1.2 U
Bromomethane	0.6 U	0.45 UJ	0.31 UJ	0.41 U
Chloroethane	0.92 U	0.68 UJ	0.47 U	0.62 U
Trichlorofluoromethane	1 U	0.76 UJ	0.53 U	0.7 U
1,1,2-Trichlorotrifluoroethane	1.3 U	0.94 UJ	0.66 U	0.86 U
1,1-Dichloroethene	1.6 U	1.2 UJ	0.81 U	1.1 U
Acetone	12.2 U	9 UJ	**11.3 J**	8.3 UJ
Carbon Disulfide	1.7 U	1.3 UJ	0.88 U	1.2 U
Methyl tert-butyl Ether	2.2 U	1.6 UJ	1.1 U	1.5 U
Methyl Acetate	4.5 U	3.3 UJ	2.3 U	3 U
Methylene Chloride	**40 B**	**16.3 J+**	**4.4 J**	5.6 U
trans-1,2-Dichloroethene	2 U	1.5 UJ	1 U	1.4 U
1,1-Dichloroethane	1.4 U	1.1 UJ	0.75 U	0.98 U
Cyclohexane	2.9 U	2.1 UJ	1.5 U	1.9 U
2-Butanone	10.6 U	7.9 UJ	5.5 U	7.2 U
Carbon Tetrachloride	1.3 U	0.97 UJ	0.68 U	0.89 UJ
cis-1,2-Dichloroethene	1.6 U	1.2 UJ	0.81 U	1.1 U
Bromochloromethane	1.9 U	1.4 UJ	0.98 U	1.3 U
Chloroform	1.4 U	1 UJ	0.71 U	0.93 U
1,1,1-Trichloroethane	1.7 U	1.2 UJ	0.87 U	1.1 U
Methylcyclohexane	1.9 U	1.4 UJ	0.97 U	1.3 U
Benzene	1.3 U	0.99 UJ	0.69 U	0.9 U
1,2-Dichloroethane	1.9 U	1.4 UJ	0.99 U	1.3 U
Trichloroethene	1.5 U	1.1 UJ	0.76 U	1 U
1,2-Dichloropropane	2 U	1.5 UJ	1 U	1.3 U
Bromodichloromethane	1.6 U	1.2 UJ	0.82 U	1.1 U
4-Methyl-2-Pentanone	8.9 U	6.6 UJ	4.6 U	6 U
Toluene	1.6 U	1.1 UJ	0.8 U	1.1 U
t-1,3-Dichloropropene	1.6 U	1.2 UJ	0.83 U	1.1 U
cis-1,3-Dichloropropene	1.7 U	1.3 UJ	0.88 U	1.2 U
1,1,2-Trichloroethane	2.3 U	1.7 UJ	1.2 U	1.5 U
2-Hexanone	11.7 U	8.7 UJ	6.1 U	8 U
Dibromochloromethane	2.1 U	1.5 UJ	1.1 U	1.4 U
1,2-Dibromoethane	2.1 U	1.5 UJ	1.1 U	1.4 U
Tetrachloroethene	1.1 U	0.82 UJ	0.57 U	0.75 U
Chlorobenzene	1.3 U	0.93 UJ	0.65 U	0.85 U
Ethyl Benzene	1.4 U	1 UJ	0.7 U	0.92 U
m/p-Xylenes	2.6 U	1.9 UJ	1.4 U	1.8 U
o-Xylene	1.7 U	1.3 UJ	0.9 U	1.2 U
Styrene	1.6 U	1.2 UJ	0.81 U	1.1 U
Bromoform	5.2 U	3.9 UJ	2.7 U	3.5 U
Isopropylbenzene	1.4 U	R	0.71 U	0.93 U
1,1,2,2-Tetrachloroethane	1.7 U	R	0.89 U	1.2 U
1,3-Dichlorobenzene	1.7 U	R	0.87 U	1.1 U
1,4-Dichlorobenzene	1.7 U	R	0.87 U	1.1 U
1,2-Dichlorobenzene	2 U	R	1 U	1.4 U
1,2-Dibromo-3-Chloropropane	5.3 U	R	2.7 U	3.6 U
1,2,4-Trichlorobenzene	1.8 U	R	0.91 UJ	1.2 U
1,2,3-Trichlorobenzene	2 U	R	1 UJ	1.4 U

U: Not detected at the indicated concentration
J: Estimated result/J+: Estimate result with a high bias
B: analyte found in associated method blank

RE: Reanalysis
µg/Kg = micrograms per kilogram

R: Rejected
Bolded result - Detected Value

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : K2717

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2717-01	P026-SS001-0002-01
K2717-02	P026-SS001-0206-01
K2717-03	P026-SS001-0612-01
K2717-04	P026-SS001-1218-01
K2717-05	P026-SS001-1824-01
K2717-06	P026-SS002-0002-01
K2717-07	P026-SS002-0206-01
K2717-08	P026-SS002-0612-01
K2717-09	P026-SS002-1218-01
K2717-10	K2717-09MS
K2717-11	K2717-09MSD
K2717-12	P026-SS002-1218-02
K2717-13	P026-SS002-1824-01
K2717-14	P026-SS003-0002-01
K2717-15	P026-SS003-0206-01
K2717-16	P026-SS003-0612-01
K2717-17	P026-SS003-1218-01
K2717-18	P026-SS003-1824-01
K2717-19	P026-SS004-0002-01
K2717-20	P026-SS004-0206-01
K2717-21	P026-SS004-0612-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 5/14/2019

By Mildred V Reyes, QAQC Supervisor at 4:59 pm, May 14, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2717
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/07/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for
P026-SS001-0002-01 [1,2-Dichloroethane-d4 - 204%],
P026-SS001-0206-01 [1,2-Dichloroethane-d4 - 124%],
P026-SS001-0612-01 [1,2-Dichloroethane-d4 - 238%, Dibromofluoromethane - 146%],
P026-SS001-0612-01RE [1,2-Dichloroethane-d4 - 139%],
P026-SS002-0206-01 [1,2-Dichloroethane-d4 - 121%],
P026-SS002-1218-01MS [1,2-Dichloroethane-d4 - 125%],
P026-SS002-1218-02[1,2-Dichloroethane-d4 - 250%, Dibromofluoromethane - 145%],
P026-SS002-1218-02RE [1,2-Dichloroethane-d4 - 140%],
P026-SS002-1824-01 [1,2-Dichloroethane-d4 - 135%],
P026-SS002-1824-01RE [1,2-Dichloroethane-d4 - 153%],
P026-SS003-0612-01 [1,2-Dichloroethane-d4 - 173%],
P026-SS003-0612-01RE [1,2-Dichloroethane-d4 - 127%],
P026-SS004-0002-01 [1,2-Dichloroethane-d4 - 210%, Dibromofluoromethane - 179%].
The samples were reanalyzed to confirm the surrogate failure except sample. P026-SS001-0002-01, P026-SS001-0206-01, P026-SS002-0206-01, P026-SS002-1218-01MS. For these samples A vial was analyzed originally surrogate and internal standard failed

and it was failing Lab used Vial B as corrective action and it did not purge well, there is no other vial left for further analysis, therefore vial A run was reported as final analysis.. The vial B raw data is reported in miscellaneous as screening data. P026-SS002-1218-01MS is confirmed with P026-SS002-1218-01MSD sample.

The Internal Standards Areas met the acceptable requirements except for P026-SS001-0002-01, P026-SS001-0612-01, P026-SS001-1824-01, P026-SS002-0002-01, P026-SS002-1218-01MS, P026-SS002-1218-01MSD, P026-SS002-1218-02, P026-SS002-1218-02RE, P026-SS002-1824-01, P026-SS002-1824-01RE, P026-SS003-0002-01, P026-SS003-0612-01, P026-SS003-1218-01, P026-SS004-0002-01 , P026-SS004-0002-01RE. All samples were reanalyzed for the internal standard failures except the sample P026-SS001-0002-01, P026-SS001-1824-01, P026-SS002-0002-01, and P026-SS003-0002-01
All these samples were received in Encore. A vial was analyzed originally and vial B did not purge well, there is no other vial left for further analysis, therefore this run (vial A) was reported as final analysis. The vial B raw data is reported in miscellaneous as screening data.
Due to instrument error lab lost Vial A for sample P026-SS003-1218-01 ,therefore lab was not able to do the reanalysis this sample for failing internal standard and reported only vial B run as final data.
The Retention Times were acceptable for all samples.

The MS {K2717-10MS} with File ID: VD062195.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[167%], 1,2-Dibromo-3-Chloropropane[152%], Bromomethane[182%], Isopropylbenzene[141%], Methyl Acetate[455%] and Methylene Chloride[4%] .

The MSD {K2717-11MSD} with File ID: VD062196.D recoveries met the acceptable requirements except for 1,2-Dibromo-3-Chloropropane[140%], Bromochloromethane[127%], Bromomethane[240%], Methyl Acetate[383%] and Methylene Chloride[4%] .

The RPD for {K2717-11MSD} with File ID: VD062196.D met criteria except for Bromomethane[27%]. Due to surrogate and the internal standard failure the results for MS/MSD and the RPD are excessively high. No further reanalysis was performed for the MS/MSD since no corrective action is required.

The Blank Spike for {VD0511SBS01} with File ID: VD062230.D met requirements for all samples except for 1,2,3-Trichlorobenzene[135%], 1,3-Dichlorobenzene[121%] .

The Blank Spike for {VF0511SBS01} with File ID: VF062454.D met requirements for all samples except for 1,1,1-Trichloroethane[129%], Carbon Tetrachloride[151%], Chloroform[123%] and cis-1,3-Dichloropropene[123%] .The associate samples have no positive hit for these compounds. Therefore no corrective action was taken.

The Blank analysis indicated presence of Methylene Chloride [7.8 ug/Kg] FileID: VW010352.D {VW0510SBL01} due to possible lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate is passing on linear regression.
ICV (VD062142.D) is failing marginally (-30.1% DEV) for 1,2,3-Trichlorobenzene for method 82D050719S.M.and under this run all samples have undetected results for this compound, no need corrective action for this.

The %RSD is greater than 15% in the Initial Calibration (Method 82F050219S.M) for Bromomethane, Methyl Acetate and Carbon Tetrachloride these compounds are passing on linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 82W050919W.M) for Dichlorodifluoromethane this compound is passing on Linear regression.

The Continuous Calibration File ID VD062164.D met the requirements except for 2-Butanone and Carbon Tetrachloride.

The Continuous Calibration File ID VD062185.D met the requirements except for 1,1,2-Trichloroethane,1,2-Dibromoethane,1,2-Dichloroethane,1,2-Dichloropropane,2-Hexanone, Acetone, Bromodichloromethane, Bromomethane, Carbon Tetrachloride,cis-1,3-Dichloropropene and t-1,3-Dichloropropene .

The Continuous Calibration File ID VD062206.D met the requirements except for 1,2,3-Trichlorobenzene,Bromomethane and Chloromethane .

The Continuous Calibration File ID VD062228.D met the requirements except for 1,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene and Bromomethane .

The Continuous Calibration File ID VF062452.D met the requirements except for Acetone and Carbon Tetrachloride. The associate samples have no positive hit for these above compounds, therefore no corrective action required.

The Tuning criteria met requirements.

E. Additional Comments:
The data package is revised to correct the internal standard failing comment.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15/20% for the Initial Calibration curve for SW-846 analysis.

Soil Calculation

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Concentration in ug/Kg dry Weight basis) $\frac{(A_x)(I_s)(D_f)}{(Ais)(RRF)(Ws)(D)}$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in Nano grams (ng)
RRF = Relative response factor of the calibration standard.
Df = Dilution factor
Ws= Weight of sample

$D = \frac{100 - \%moisture}{100}$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 4:44 pm, May 16, 2019

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2717

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/14/2019

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 4:58 pm, May 14, 2019

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SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062175.D	1		05/08/19 15:43	VD050819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U R	0.94	5.2	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.2	ug/Kg
74-83-9	Bromomethane	0.39	U	0.39	5.2	ug/Kg
75-00-3	Chloroethane	0.6	U	0.6	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.67	U	0.67	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.83	U	0.83	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	190	J+	8	26	ug/Kg
75-15-0	Carbon Disulfide	1.1	U R	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U R	1.4	5.2	ug/Kg
79-20-9	Methyl Acetate	2.9	U R	2.9	5.2	ug/Kg
75-09-2	Methylene Chloride	19.5	J+	5.4	10.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U R	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.94	U	0.94	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	6.9	U	6.9	26	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.2	ug/Kg
67-66-3	Chloroform	0.9	U	0.9	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.2	ug/Kg
79-01-6	Trichloroethene	0.97	U	0.97	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.8	U	5.8	26	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062175.D	1		05/08/19 15:43	VD050819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U R	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.7	U	7.7	26	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	5.2	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.89	U	0.89	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.4	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.2	ug/Kg
100-42-5	Styrene	1	U	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.9	U	0.9	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	100	*	56 - 120	204%	SPK: 50
1868-53-7	Dibromofluoromethane	67.2		57 - 135	134%	SPK: 50
2037-26-5	Toluene-d8	48.6		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.6		33 - 141	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	35255	7.02			
540-36-3	1,4-Difluorobenzene	49585	8.19			
3114-55-4	Chlorobenzene-d5	33484	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	11717	14.51			

<20%

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062175.D	1		05/08/19 15:43	VD050819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	4.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062191.D	1		05/09/19 16:33	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	UJ	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.8	UJ	8.8	28.7	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.7	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	UJ	0.95	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.99	U	0.99	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	UJ	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	UJ	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	UJ	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.7	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	UJ	1.2	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	UJ	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	4.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062191.D	1		05/09/19 16:33	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U UJ	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.5	U UJ	8.5	28.7	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U UJ	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.8	U	0.8	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.98	U	0.98	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.1	*	56 - 120	124%	SPK: 50
1868-53-7	Dibromofluoromethane	59.8		57 - 135	120%	SPK: 50
2037-26-5	Toluene-d8	48.3		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	849471	7.02			
540-36-3	1,4-Difluorobenzene	1177060	8.19			
3114-55-4	Chlorobenzene-d5	922751	12.35			
3855-82-1	1,4-Dichlorobenzene-d4	413859	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	4.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062191.D	1		05/09/19 16:33	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.8
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use this Form I

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062197.D	1		05/09/19 19:28	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U J	0.87	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.8	ug/Kg
67-64-1	Acetone	7.4	U	7.4	24	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	22.2	J+	5	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U J	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U	0.87	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.4	U	6.4	24	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.8	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.8	U	0.8	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.8	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.95	U	0.95	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.4	U	5.4	24	ug/Kg
108-88-3	Toluene	0.93	U	0.93	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.96	U	0.96	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.8
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not report from I

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062197.D	1		05/09/19 19:28	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7.1	U	7.1	24	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	4.8	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.6	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.8	ug/Kg
100-42-5	Styrene	0.95	U	0.95	4.8	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	120	*	56 - 120	238%	SPK: 50
1868-53-7	Dibromofluoromethane	73.1	*	57 - 135	146%	SPK: 50
2037-26-5	Toluene-d8	54.4		67 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.4		33 - 141	123%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230026	7.03			
540-36-3	1,4-Difluorobenzene	446785	8.2			
3114-55-4	Chlorobenzene-d5	423384	12.35			
3855-82-1	1,4-Dichlorobenzene-d4	189208	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.8
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062197.D	1		05/09/19 19:28	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0612-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.8
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062216.D	1		05/10/19 15:31	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	5.4	ug/Kg
74-87-3	Chloromethane	1.9	UJ	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	UJ	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.3	U	8.3	27.1	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	7.7	J	5.6	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	27.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	U	0.89	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.94	U	0.94	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.1	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0612-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.8
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062216.D	1		05/10/19 15:31	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27.1	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.8	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.94	U	0.94	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.7	*	56 - 120	139%	SPK: 50
1868-53-7	Dibromofluoromethane	56.4		57 - 135	113%	SPK: 50
2037-26-5	Toluene-d8	49.3		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	701085	7.04			
540-36-3	1,4-Difluorobenzene	1109940	8.22			
3114-55-4	Chlorobenzene-d5	819187	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	441311	14.52			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-0612-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.8
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062216.D	1		05/10/19 15:31	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.6
Sample Wt/Vol:	5.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062173.D	1		05/08/19 14:48	VD050819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.3	U	8.3	27.1	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.4	ug/Kg
75-09-2	Methylene Chloride	12		5.6	10.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	5.4	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	27.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	U	0.9	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.94	U	0.94	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.1	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.6
Sample Wt/Vol:	5.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062173.D	1		05/08/19 14:48	VD050819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27.1	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.9	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.94	U	0.94	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		56 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	56		57 - 135	112%	SPK: 50
2037-26-5	Toluene-d8	48.5		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		33 - 141	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	794242	7.02			
540-36-3	1,4-Difluorobenzene	1121580	8.2			
3114-55-4	Chlorobenzene-d5	962281	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	495562	14.51			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.6
Sample Wt/Vol:	5.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062173.D	1		05/08/19 14:48	VD050819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.7
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010356.D	1		05/10/19 15:11	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U J	0.83	4.6	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
67-64-1	Acetone	10.2	J J+	7	22.8	ug/Kg
75-15-0	Carbon Disulfide	0.98	U J	0.98	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U J	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U J	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	19.4	B J+	4.7	9.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U J	1.1	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.83	U	0.83	4.6	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.6	ug/Kg
78-93-3	2-Butanone	6.1	U	6.1	22.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.9	U	0.9	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.91	U	0.91	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.1	U	5.1	22.8	ug/Kg
108-88-3	Toluene	0.89	U	0.89	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.92	U	0.92	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.98	U	0.98	4.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.7
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010356.D	1		05/10/19 15:11	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.7	U	6.7	22.8	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.63	U	0.63	4.6	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.78	U	0.78	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.1	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.91	U	0.91	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.99	U	0.99	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.97	U	0.97	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.96	U	0.96	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	37		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.1		33 - 141	54%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	582729	7.95			
540-36-3	1,4-Difluorobenzene	979284	8.84			
3114-55-4	Chlorobenzene-d5	796151	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	270639	13.56			

<50%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.7
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010356.D	1		05/10/19 15:11	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.3
Sample Wt/Vol:	3.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010357.D	1		05/10/19 15:40	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.9	U	1.9	10.4	ug/Kg
74-87-3	Chloromethane	3.7	U	3.7	10.4	ug/Kg
75-01-4	Vinyl Chloride	2.3	U	2.3	10.4	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	10.4	ug/Kg
75-00-3	Chloroethane	1.2	U	1.2	10.4	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	1.3	10.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.7	U	1.7	10.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.1	U	2.1	10.4	ug/Kg
67-64-1	Acetone	16.5	J	16	52.2	ug/Kg
75-15-0	Carbon Disulfide	5.4	J	2.2	10.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	2.9	10.4	ug/Kg
79-20-9	Methyl Acetate	5.9	U	5.9	10.4	ug/Kg
75-09-2	Methylene Chloride	38.8	B	10.8	20.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.6	U	2.6	10.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.9	U	1.9	10.4	ug/Kg
110-82-7	Cyclohexane	3.8	U	3.8	10.4	ug/Kg
78-93-3	2-Butanone	13.9	U	13.9	52.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.7	U	1.7	10.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.1	U	2.1	10.4	ug/Kg
74-97-5	Bromochloromethane	2.5	U	2.5	10.4	ug/Kg
67-66-3	Chloroform	1.8	U	1.8	10.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.2	U	2.2	10.4	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	2.5	10.4	ug/Kg
71-43-2	Benzene	1.8	U	1.8	10.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	2.5	10.4	ug/Kg
79-01-6	Trichloroethene	1.9	U	1.9	10.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.6	U	2.6	10.4	ug/Kg
75-27-4	Bromodichloromethane	2.1	U	2.1	10.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.7	U	11.7	52.2	ug/Kg
108-88-3	Toluene	2	U	2	10.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.1	U	2.1	10.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.2	U	2.2	10.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.3
Sample Wt/Vol:	3.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010357.D	1		05/10/19 15:40	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	3	U	3	10.4	ug/Kg
591-78-6	2-Hexanone	15.4	U	15.4	52.2	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	2.7	10.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	2.7	10.4	ug/Kg
127-18-4	Tetrachloroethene	1.5	U	1.5	10.4	ug/Kg
108-90-7	Chlorobenzene	1.6	U	1.6	10.4	ug/Kg
100-41-4	Ethyl Benzene	1.8	U	1.8	10.4	ug/Kg
179601-23-1	m/p-Xylenes	3.5	U	3.5	20.9	ug/Kg
95-47-6	o-Xylene	2.3	U	2.3	10.4	ug/Kg
100-42-5	Styrene	2.1	U	2.1	10.4	ug/Kg
75-25-2	Bromoform	6.8	U	6.8	10.4	ug/Kg
98-82-8	Isopropylbenzene	1.8	U	1.8	10.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.3	U	2.3	10.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	2.2	10.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.2	U	2.2	10.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.6	U	2.6	10.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.9	U	6.9	10.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.3	U	2.3	10.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	U	2.7	10.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	44.4		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	36.6		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	22.2		33 - 141	44%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1176420	7.95			
540-36-3	1,4-Difluorobenzene	2006170	8.84			
3114-55-4	Chlorobenzene-d5	1442420	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	370932	13.56			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.3
Sample Wt/Vol:	3.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010357.D	1		05/10/19 15:40	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.6
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062192.D	1		05/09/19 17:01	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	6.9	ug/Kg
74-87-3	Chloromethane	2.5	U	2.5	6.9	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.9	ug/Kg
74-83-9	Bromomethane	0.52	U H	0.52	6.9	ug/Kg
75-00-3	Chloroethane	0.8	U	0.8	6.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	6.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	6.9	ug/Kg
67-64-1	Acetone	12.9	~~J~~ U	10.6	34.6	ug/Kg
75-15-0	Carbon Disulfide	1.5	U	1.5	6.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.9	ug/Kg
79-20-9	Methyl Acetate	3.9	U	3.9	6.9	ug/Kg
75-09-2	Methylene Chloride	7.2	U	7.2	13.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	6.9	ug/Kg
110-82-7	Cyclohexane	2.5	U	2.5	6.9	ug/Kg
78-93-3	2-Butanone	9.2	U	9.2	34.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U H	1.1	6.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	6.9	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.9	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U	1.5	6.9	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.9	ug/Kg
71-43-2	Benzene	1.2	U	1.2	6.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U H	1.7	6.9	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	6.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U H	1.7	6.9	ug/Kg
75-27-4	Bromodichloromethane	1.4	U H	1.4	6.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.7	U	7.7	34.6	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U H	1.4	6.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.5	U H	1.5	6.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.6
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062192.D	1		05/09/19 17:01	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2	U J	2	6.9	ug/Kg
591-78-6	2-Hexanone	10.2	U J	10.2	34.6	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U J	1.8	6.9	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	6.9	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.9	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	6.9	ug/Kg
179601-23-1	m/p-Xylenes	2.3	U	2.3	13.8	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.9	ug/Kg
100-42-5	Styrene	1.4	U	1.4	6.9	ug/Kg
75-25-2	Bromoform	4.5	U	4.5	6.9	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	6.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	6.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.8	U	1.8	6.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.6	U	4.6	6.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.8	U	1.8	6.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.7	*	56 - 120	121%	SPK: 50
1868-53-7	Dibromofluoromethane	56.1		57 - 135	112%	SPK: 50
2037-26-5	Toluene-d8	46.5		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	41		33 - 141	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	699150	7.02			
540-36-3	1,4-Difluorobenzene	1074200	8.19			
3114-55-4	Chlorobenzene-d5	742221	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	310059	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.6
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062192.D	1		05/09/19 17:01	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062193.D	1		05/09/19 17:28	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U H	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	15.6	J H	8.7	28.4	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U H	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U H	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U H	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U H	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U H	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U H	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062193.D	1		05/09/19 17:28	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.4	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		56 - 120	113%	SPK: 50
1868-53-7	Dibromofluoromethane	58.9		57 - 135	118%	SPK: 50
2037-26-5	Toluene-d8	51.3		67 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		33 - 141	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	831222	7.03			
540-36-3	1,4-Difluorobenzene	1209110	8.2			
3114-55-4	Chlorobenzene-d5	837591	12.35			
3855-82-1	1,4-Dichlorobenzene-d4	355517	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062193.D	1		05/09/19 17:28	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.8
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062194.D	1		05/09/19 17:55	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.44	U H	0.44	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	9	U H	9	29.4	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.1	U	6.1	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.8	U	7.8	29.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U H	0.97	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.98	U	0.98	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U H	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U H	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U H	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U H	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U H	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.8
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062194.D	1		05/09/19 17:55	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.4	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.7	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		56 - 120	112%	SPK: 50
1868-53-7	Dibromofluoromethane	59.5		57 - 135	119%	SPK: 50
2037-26-5	Toluene-d8	48.7		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		33 - 141	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	801411	7.02			
540-36-3	1,4-Difluorobenzene	1074590	8.2			
3114-55-4	Chlorobenzene-d5	813156	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	363729	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.8
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062194.D	1		05/09/19 17:55	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2717
Lab Sample ID:	K2717-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062200.D	1	Do not use this form I	05/09/19 20:50	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	6.1	ug/Kg
74-87-3	Chloromethane	2.2	U	2.2	6.1	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6.1	ug/Kg
74-83-9	Bromomethane	0.46	U	0.46	6.1	ug/Kg
75-00-3	Chloroethane	0.7	U	0.7	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.78	U	0.78	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6.1	ug/Kg
67-64-1	Acetone	9.3	U	9.3	30.3	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6.1	ug/Kg
79-20-9	Methyl Acetate	3.4	U	3.4	6.1	ug/Kg
75-09-2	Methylene Chloride	6.3	U	6.3	12.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6.1	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6.1	ug/Kg
78-93-3	2-Butanone	8.1	U	8.1	30.3	ug/Kg
56-23-5	Carbon Tetrachloride	1	U	1	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6.1	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	6.1	ug/Kg
67-66-3	Chloroform	1	U	1	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6.1	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6.1	ug/Kg
71-43-2	Benzene	1	U	1	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.1	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6.1	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.8	U	6.8	30.3	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2717
Lab Sample ID:	K2717-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062200.D	1		05/09/19 20:50	VD050919

DO NOT USE This Form J

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U J	1.7	6.1	ug/Kg
591-78-6	2-Hexanone	8.9	U	8.9	30.3	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.1	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	6.1	ug/Kg
108-90-7	Chlorobenzene	0.95	U	0.95	6.1	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6.1	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	12.1	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6.1	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6.1	ug/Kg
75-25-2	Bromoform	4	U	4	6.1	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	6.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	120	*	56 - 120	250%	SPK: 50
1868-53-7	Dibromofluoromethane	72.7	*	57 - 135	145%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		33 - 141	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208190	7.03			
540-36-3	1,4-Difluorobenzene	362743	8.2			
3114-55-4	Chlorobenzene-d5	274964	12.35			
3855-82-1	1,4-Dichlorobenzene-d4	136494	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2717
Lab Sample ID:	K2717-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062200.D	1	Do not use this form I.	05/09/19 20:50	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-02RE	SDG No.:	K2717
Lab Sample ID:	K2717-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062217.D	1		05/10/19 15:59	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	5.5	ug/Kg
74-87-3	Chloromethane	2	U J	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.41	U J	0.41	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.4	U	8.4	27.4	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	8.3	~~U~~ J	5.7	10.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	U	0.9	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-02RE	SDG No.:	K2717
Lab Sample ID:	K2717-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062217.D	1		05/10/19 15:59	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.4	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.5	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.9	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	70.2	*	56 - 120	140%	SPK: 50
1868-53-7	Dibromofluoromethane	62.5		57 - 135	125%	SPK: 50
2037-26-5	Toluene-d8	49.8		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		33 - 141	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	464267	7.05			
540-36-3	1,4-Difluorobenzene	682712	8.22			
3114-55-4	Chlorobenzene-d5	539207	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	241160	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1218-02RE	SDG No.:	K2717
Lab Sample ID:	K2717-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.68 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062217.D	1		05/10/19 15:59	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.8
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062201.D	1		05/09/19 21:17	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.41	U J	0.41	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.4	U J	8.4	27.4	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	U J	0.9	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U J	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U J	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U J	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U J	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U J	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.8
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062201.D	1		05/09/19 21:17	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U J	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U J	8.1	27.4	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U J	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.5	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U J	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.3	*	56 - 120	135%	SPK: 50
1868-53-7	Dibromofluoromethane	65		57 - 135	130%	SPK: 50
2037-26-5	Toluene-d8	51.3		67 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.5		33 - 141	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	665925	7.04			
540-36-3	1,4-Difluorobenzene	922577	8.21			
3114-55-4	Chlorobenzene-d5	686374	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	246789	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.8
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062201.D	1		05/09/19 21:17	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1824-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.8
Sample Wt/Vol:	5.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062218.D	1	Do not use this Form I	05/10/19 16:27	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U J	0.98	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.3	U	8.3	27	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	9.1	~~J~~ J+	5.6	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U J	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	U J	0.98	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U J	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U J	7.2	27	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	U	0.89	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U J	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U J	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.93	U J	0.93	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U J	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6	U	6	27	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1824-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.8
Sample Wt/Vol:	5.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062218.D	1		05/10/19 16:27	VD051019

Do not use this form I

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.8	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.93	U	0.93	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U J	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	76.4	*	56 - 120	153%	SPK: 50
1868-53-7	Dibromofluoromethane	65.6		57 - 135	131%	SPK: 50
2037-26-5	Toluene-d8	49.9		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		33 - 141	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	419083	7.05			
540-36-3	1,4-Difluorobenzene	620636	8.22			
3114-55-4	Chlorobenzene-d5	510194	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	247430	14.52			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS002-1824-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.8
Sample Wt/Vol:	5.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062218.D	1	Do not use this Form I.	05/10/19 16:27	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	30.2
Sample Wt/Vol:	3.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010358.D	1		05/10/19 16:08	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.7	U	1.7	9.5	ug/Kg
74-87-3	Chloromethane	3.4	U	3.4	9.5	ug/Kg
75-01-4	Vinyl Chloride	2.1	U	2.1	9.5	ug/Kg
74-83-9	Bromomethane	0.72	U	0.72	9.5	ug/Kg
75-00-3	Chloroethane	1.1	U	1.1	9.5	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	1.2	9.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	9.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.9	U	1.9	9.5	ug/Kg
67-64-1	Acetone	17.5	J	14.6	47.6	ug/Kg
75-15-0	Carbon Disulfide	2	U	2	9.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	2.7	9.5	ug/Kg
79-20-9	Methyl Acetate	5.4	U	5.4	9.5	ug/Kg
75-09-2	Methylene Chloride	42.9	B	9.9	19.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.4	U	2.4	9.5	ug/Kg
75-34-3	1,1-Dichloroethane	1.7	U	1.7	9.5	ug/Kg
110-82-7	Cyclohexane	3.4	U	3.4	9.5	ug/Kg
78-93-3	2-Butanone	12.7	U	12.7	47.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.6	U	1.6	9.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.9	U	1.9	9.5	ug/Kg
74-97-5	Bromochloromethane	2.3	U	2.3	9.5	ug/Kg
67-66-3	Chloroform	1.6	U	1.6	9.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2	U	2	9.5	ug/Kg
108-87-2	Methylcyclohexane	2.2	U	2.2	9.5	ug/Kg
71-43-2	Benzene	1.6	U	1.6	9.5	ug/Kg
107-06-2	1,2-Dichloroethane	2.3	U	2.3	9.5	ug/Kg
79-01-6	Trichloroethene	1.8	U	1.8	9.5	ug/Kg
78-87-5	1,2-Dichloropropane	2.4	U	2.4	9.5	ug/Kg
75-27-4	Bromodichloromethane	1.9	U	1.9	9.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.7	U	10.7	47.6	ug/Kg
108-88-3	Toluene	1.9	U	1.9	9.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.9	U	1.9	9.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2	U	2	9.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	30.2
Sample Wt/Vol:	3.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010358.D	1		05/10/19 16:08	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.7	U	2.7	9.5	ug/Kg
591-78-6	2-Hexanone	14.1	U	14.1	47.6	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	2.5	9.5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	2.5	9.5	ug/Kg
127-18-4	Tetrachloroethene	1.3	U	1.3	9.5	ug/Kg
108-90-7	Chlorobenzene	1.5	U	1.5	9.5	ug/Kg
100-41-4	Ethyl Benzene	1.6	U	1.6	9.5	ug/Kg
179601-23-1	m/p-Xylenes	3.1	U	3.1	19.1	ug/Kg
95-47-6	o-Xylene	2.1	U	2.1	9.5	ug/Kg
100-42-5	Styrene	1.9	U	1.9	9.5	ug/Kg
75-25-2	Bromoform	6.2	U	6.2	9.5	ug/Kg
98-82-8	Isopropylbenzene	1.6	U J	1.6	9.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	2.1	9.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2	U	2	9.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2	U	2	9.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.4	U	2.4	9.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	6.3	9.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.1	U	2.1	9.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.4	U	2.4	9.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	43.2		57 - 135	86%	SPK: 50
2037-26-5	Toluene-d8	35.3		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	25.1		33 - 141	50%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1014470	7.95			
540-36-3	1,4-Difluorobenzene	1781980	8.84			
3114-55-4	Chlorobenzene-d5	1371900	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	404959	13.56	< 50%		

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	30.2
Sample Wt/Vol:	3.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010358.D	1		05/10/19 16:08	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.9
Sample Wt/Vol:	4.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062203.D	1		05/09/19 22:12	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.7	ug/Kg
74-87-3	Chloromethane	2.4	U	2.4	6.7	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.7	ug/Kg
74-83-9	Bromomethane	0.51	U J	0.51	6.7	ug/Kg
75-00-3	Chloroethane	0.77	U	0.77	6.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.87	U	0.87	6.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
67-64-1	Acetone	10.3	U J	10.3	33.6	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.7	ug/Kg
79-20-9	Methyl Acetate	3.8	U	3.8	6.7	ug/Kg
75-09-2	Methylene Chloride	7	U	7	13.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.7	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.7	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.7	ug/Kg
78-93-3	2-Butanone	9	U	9	33.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U J	1.1	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.7	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.7	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.7	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U J	1.6	6.7	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	6.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U J	1.7	6.7	ug/Kg
75-27-4	Bromodichloromethane	1.3	U J	1.3	6.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.5	U	7.5	33.6	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U J	1.4	6.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U J	1.4	6.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.9
Sample Wt/Vol:	4.83 Units: g	Final Vol:	5000 ul
Soil Aliquot Vol:	ul	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062203.D	1		05/09/19 22:12	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U	1.9	6.7	ug/Kg
591-78-6	2-Hexanone	9.9	U	9.9	33.6	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.7	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	6.7	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.7	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.7	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.4	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.7	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.7	ug/Kg
75-25-2	Bromoform	4.4	U	4.4	6.7	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U	4.5	6.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.2		56 - 120	118%	SPK: 50
1868-53-7	Dibromofluoromethane	62.3		57 - 135	125%	SPK: 50
2037-26-5	Toluene-d8	46.2		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.7		33 - 141	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	740595	7.04			
540-36-3	1,4-Difluorobenzene	1018860	8.21			
3114-55-4	Chlorobenzene-d5	716682	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	301838	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.9
Sample Wt/Vol:	4.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062203.D	1		05/09/19 22:12	VD050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062204.D	1		05/09/19 22:39	VD050919

Do not use this form J

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U J	1.5	8	ug/Kg
74-87-3	Chloromethane	2.8	U	2.8	8	ug/Kg
75-01-4	Vinyl Chloride	1.8	U	1.8	8	ug/Kg
74-83-9	Bromomethane	0.6	U	0.6	8	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	8	ug/Kg
75-69-4	Trichlorofluoromethane	1	U	1	8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	1.3	8	ug/Kg
75-35-4	1,1-Dichloroethene	1.6	U	1.6	8	ug/Kg
67-64-1	Acetone	12.3	U	12.3	39.9	ug/Kg
75-15-0	Carbon Disulfide	1.7	U	1.7	8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.2	U	2.2	8	ug/Kg
79-20-9	Methyl Acetate	4.5	U	4.5	8	ug/Kg
75-09-2	Methylene Chloride	8.3	U	8.3	16	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2	U	2	8	ug/Kg
75-34-3	1,1-Dichloroethane	1.5	U	1.5	8	ug/Kg
110-82-7	Cyclohexane	2.9	U	2.9	8	ug/Kg
78-93-3	2-Butanone	10.7	U	10.7	39.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.3	U	1.3	8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.6	U	1.6	8	ug/Kg
74-97-5	Bromochloromethane	1.9	U	1.9	8	ug/Kg
67-66-3	Chloroform	1.4	U	1.4	8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.7	U	1.7	8	ug/Kg
108-87-2	Methylcyclohexane	1.9	U	1.9	8	ug/Kg
71-43-2	Benzene	1.3	U	1.3	8	ug/Kg
107-06-2	1,2-Dichloroethane	1.9	U	1.9	8	ug/Kg
79-01-6	Trichloroethene	1.5	U	1.5	8	ug/Kg
78-87-5	1,2-Dichloropropane	2	U	2	8	ug/Kg
75-27-4	Bromodichloromethane	1.6	U	1.6	8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.9	U	8.9	39.9	ug/Kg
108-88-3	Toluene	1.6	U	1.6	8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.6	U	1.6	8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.7	U	1.7	8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062204.D	1		05/09/19 22:39	VD050919

Do not use this Form I

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.3	U J	2.3	8	ug/Kg
591-78-6	2-Hexanone	11.8	U	11.8	39.9	ug/Kg
124-48-1	Dibromochloromethane	2.1	U	2.1	8	ug/Kg
106-93-4	1,2-Dibromoethane	2.1	U	2.1	8	ug/Kg
127-18-4	Tetrachloroethene	1.1	U	1.1	8	ug/Kg
108-90-7	Chlorobenzene	1.3	U	1.3	8	ug/Kg
100-41-4	Ethyl Benzene	1.4	U	1.4	8	ug/Kg
179601-23-1	m/p-Xylenes	2.6	U	2.6	16	ug/Kg
95-47-6	o-Xylene	1.8	U	1.8	8	ug/Kg
100-42-5	Styrene	1.6	U	1.6	8	ug/Kg
75-25-2	Bromoform	5.2	U	5.2	8	ug/Kg
98-82-8	Isopropylbenzene	1.4	U	1.4	8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.7	U	1.7	8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.7	U	1.7	8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2	U	2	8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	5.3	8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2	U	2	8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	86.6	*	56 - 120	173%	SPK: 50
1868-53-7	Dibromofluoromethane	64		57 - 135	128%	SPK: 50
2037-26-5	Toluene-d8	47.2		67 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	356802	7.04			
540-36-3	1,4-Difluorobenzene	554017	8.21			
3114-55-4	Chlorobenzene-d5	424750	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	197213	14.51			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062204.D	1		05/09/19 22:39	VD050919

Do not use this Form I

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0612-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062219.D	1		05/10/19 16:55	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6.3	ug/Kg
74-87-3	Chloromethane	2.3	U J	2.3	6.3	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.3	ug/Kg
74-83-9	Bromomethane	0.48	U J	0.48	6.3	ug/Kg
75-00-3	Chloroethane	0.73	U	0.73	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.82	U	0.82	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.3	ug/Kg
67-64-1	Acetone	9.7	U	9.7	31.6	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.3	ug/Kg
79-20-9	Methyl Acetate	3.5	U	3.5	6.3	ug/Kg
75-09-2	Methylene Chloride	9.5	J	6.6	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6.3	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.3	ug/Kg
78-93-3	2-Butanone	8.4	U	8.4	31.6	ug/Kg
56-23-5	Carbon Tetrachloride	1	U	1	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6.3	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.3	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6.3	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.3	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.3	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.3	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.1	U	7.1	31.6	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0612-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062219.D	1		05/10/19 16:55	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U	1.8	6.3	ug/Kg
591-78-6	2-Hexanone	9.3	U	9.3	31.6	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.3	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	6.3	ug/Kg
108-90-7	Chlorobenzene	0.99	U	0.99	6.3	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.3	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.6	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.3	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.3	ug/Kg
75-25-2	Bromoform	4.1	U	4.1	6.3	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.2	U	4.2	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U J	1.6	6.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.5	*	56 - 120	127%	SPK: 50
1868-53-7	Dibromofluoromethane	63		57 - 135	126%	SPK: 50
2037-26-5	Toluene-d8	50.3		67 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	41		33 - 141	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	662414	7.05			
540-36-3	1,4-Difluorobenzene	877207	8.22			
3114-55-4	Chlorobenzene-d5	659647	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	278618	14.52			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-0612-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062219.D	1		05/10/19 16:55	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.8
Sample Wt/Vol:	4.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010359.D	1		05/10/19 16:37	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	7.2	ug/Kg
74-87-3	Chloromethane	2.6	U	2.6	7.2	ug/Kg
75-01-4	Vinyl Chloride	1.6	U	1.6	7.2	ug/Kg
74-83-9	Bromomethane	0.54	U	0.54	7.2	ug/Kg
75-00-3	Chloroethane	0.83	U	0.83	7.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.93	U	0.93	7.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.2	U	1.2	7.2	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	7.2	ug/Kg
67-64-1	Acetone	12.3	J	11	35.9	ug/Kg
75-15-0	Carbon Disulfide	1.5	U	1.5	7.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2	U	2	7.2	ug/Kg
79-20-9	Methyl Acetate	4	U	4	7.2	ug/Kg
75-09-2	Methylene Chloride	34.8	B	7.5	14.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.8	U	1.8	7.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	7.2	ug/Kg
110-82-7	Cyclohexane	2.6	U	2.6	7.2	ug/Kg
78-93-3	2-Butanone	9.6	U	9.6	35.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	1.2	7.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	7.2	ug/Kg
74-97-5	Bromochloromethane	1.7	U	1.7	7.2	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	7.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U	1.5	7.2	ug/Kg
108-87-2	Methylcyclohexane	1.7	U	1.7	7.2	ug/Kg
71-43-2	Benzene	1.2	U	1.2	7.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	7.2	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	7.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.8	U	1.8	7.2	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	7.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8	U	8	35.9	ug/Kg
108-88-3	Toluene	1.4	U	1.4	7.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	7.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.5	U	1.5	7.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.8
Sample Wt/Vol:	4.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010359.D	1		05/10/19 16:37	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2	U	2	7.2	ug/Kg
591-78-6	2-Hexanone	10.6	U	10.6	35.9	ug/Kg
124-48-1	Dibromochloromethane	1.9	U	1.9	7.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.9	U	1.9	7.2	ug/Kg
127-18-4	Tetrachloroethene	1	U	1	7.2	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	7.2	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	7.2	ug/Kg
179601-23-1	m/p-Xylenes	2.4	U	2.4	14.4	ug/Kg
95-47-6	o-Xylene	1.6	U	1.6	7.2	ug/Kg
100-42-5	Styrene	1.4	U	1.4	7.2	ug/Kg
75-25-2	Bromoform	4.7	U	4.7	7.2	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	7.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	1.6	7.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	7.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	7.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.8	U	1.8	7.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	4.8	7.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	7.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.8	U	1.8	7.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	34.8		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.8		33 - 141	50%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1034080	7.95			
540-36-3	1,4-Difluorobenzene	1897500	8.84			
3114-55-4	Chlorobenzene-d5	1467170	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	449204	13.56			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2717
Lab Sample ID:	K2717-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.8
Sample Wt/Vol:	4.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010359.D	1		05/10/19 16:37	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.8
Sample Wt/Vol:	4.07 Units: g	Final Vol:	5000 ul.
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010360.D	1		05/10/19 17:05	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	1.4	8	ug/Kg
74-87-3	Chloromethane	2.8	U	2.8	8	ug/Kg
75-01-4	Vinyl Chloride	1.8	U	1.8	8	ug/Kg
74-83-9	Bromomethane	0.6	U	0.6	8	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	8	ug/Kg
75-69-4	Trichlorofluoromethane	1	U	1	8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	1.3	8	ug/Kg
75-35-4	1,1-Dichloroethene	1.6	U	1.6	8	ug/Kg
67-64-1	Acetone	12.2	U	12.2	39.8	ug/Kg
75-15-0	Carbon Disulfide	1.7	U	1.7	8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.2	U	2.2	8	ug/Kg
79-20-9	Methyl Acetate	4.5	U	4.5	8	ug/Kg
75-09-2	Methylene Chloride	40	B	8.3	15.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2	U	2	8	ug/Kg
75-34-3	1,1-Dichloroethane	1.4	U	1.4	8	ug/Kg
110-82-7	Cyclohexane	2.9	U	2.9	8	ug/Kg
78-93-3	2-Butanone	10.6	U	10.6	39.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.3	U	1.3	8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.6	U	1.6	8	ug/Kg
74-97-5	Bromochloromethane	1.9	U	1.9	8	ug/Kg
67-66-3	Chloroform	1.4	U	1.4	8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.7	U	1.7	8	ug/Kg
108-87-2	Methylcyclohexane	1.9	U	1.9	8	ug/Kg
71-43-2	Benzene	1.3	U	1.3	8	ug/Kg
107-06-2	1,2-Dichloroethane	1.9	U	1.9	8	ug/Kg
79-01-6	Trichloroethene	1.5	U	1.5	8	ug/Kg
78-87-5	1,2-Dichloropropane	2	U	2	8	ug/Kg
75-27-4	Bromodichloromethane	1.6	U	1.6	8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.9	U	8.9	39.8	ug/Kg
108-88-3	Toluene	1.6	U	1.6	8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.6	U	1.6	8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.7	U	1.7	8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.8
Sample Wt/Vol:	4.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010360.D	1		05/10/19 17:05	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.3	U	2.3	8	ug/Kg
591-78-6	2-Hexanone	11.7	U	11.7	39.8	ug/Kg
124-48-1	Dibromochloromethane	2.1	U	2.1	8	ug/Kg
106-93-4	1,2-Dibromoethane	2.1	U	2.1	8	ug/Kg
127-18-4	Tetrachloroethene	1.1	U	1.1	8	ug/Kg
108-90-7	Chlorobenzene	1.3	U	1.3	8	ug/Kg
100-41-4	Ethyl Benzene	1.4	U	1.4	8	ug/Kg
179601-23-1	m/p-Xylenes	2.6	U	2.6	15.9	ug/Kg
95-47-6	o-Xylene	1.7	U	1.7	8	ug/Kg
100-42-5	Styrene	1.6	U	1.6	8	ug/Kg
75-25-2	Bromoform	5.2	U	5.2	8	ug/Kg
98-82-8	Isopropylbenzene	1.4	U	1.4	8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.7	U	1.7	8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.7	U	1.7	8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2	U	2	8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	5.3	8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2	U	2	8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	37.4		67 - 123	75%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.3		33 - 141	63%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1133060	7.95			
540-36-3	1,4-Difluorobenzene	2066350	8.84			
3114-55-4	Chlorobenzene-d5	1709120	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	637975	13.56			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2717
Lab Sample ID:	K2717-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.8
Sample Wt/Vol:	4.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010360.D	1		05/10/19 17:05	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	4.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010361.D	1		05/10/19 17:34	VW051019

Do not use this form J

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U R	1.3	7.2	ug/Kg
74-87-3	Chloromethane	2.6	U	2.6	7.2	ug/Kg
75-01-4	Vinyl Chloride	1.6	U	1.6	7.2	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	7.2	ug/Kg
75-00-3	Chloroethane	0.83	U	0.83	7.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.94	U	0.94	7.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.2	U	1.2	7.2	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	7.2	ug/Kg
67-64-1	Acetone	33.7	~~J~~ J+	11.1	36.2	ug/Kg
75-15-0	Carbon Disulfide	1.6	U R	1.6	7.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2	U R	2	7.2	ug/Kg
79-20-9	Methyl Acetate	4.1	U R	4.1	7.2	ug/Kg
75-09-2	Methylene Chloride	14.5 8	JB UJ	7.5	14.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.8	U R	1.8	7.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	7.2	ug/Kg
110-82-7	Cyclohexane	2.6	U	2.6	7.2	ug/Kg
78-93-3	2-Butanone	9.7	U	9.7	36.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	1.2	7.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	7.2	ug/Kg
74-97-5	Bromochloromethane	1.7	U	1.7	7.2	ug/Kg
67-66-3	Chloroform	1.3	U	1.3	7.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U	1.5	7.2	ug/Kg
108-87-2	Methylcyclohexane	1.7	U	1.7	7.2	ug/Kg
71-43-2	Benzene	1.2	U	1.2	7.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	7.2	ug/Kg
79-01-6	Trichloroethene	1.4	U	1.4	7.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.8	U	1.8	7.2	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	7.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.1	U	8.1	36.2	ug/Kg
108-88-3	Toluene	1.4	U	1.4	7.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5	U	1.5	7.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.6	U	1.6	7.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	4.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010361.D	1	Do not use this Form I	05/10/19 17:34	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.1	U R	2.1	7.2	ug/Kg
591-78-6	2-Hexanone	10.7	U	10.7	36.2	ug/Kg
124-48-1	Dibromochloromethane	1.9	U	1.9	7.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.9	U	1.9	7.2	ug/Kg
127-18-4	Tetrachloroethene	1	U	1	7.2	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	7.2	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	7.2	ug/Kg
179601-23-1	m/p-Xylenes	2.4	U	2.4	14.5	ug/Kg
95-47-6	o-Xylene	1.6	U	1.6	7.2	ug/Kg
100-42-5	Styrene	1.4	U	1.4	7.2	ug/Kg
75-25-2	Bromoform	4.8	U	4.8	7.2	ug/Kg
98-82-8	Isopropylbenzene	1.3	U	1.3	7.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	1.6	7.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	7.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	7.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.8	U	1.8	7.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	4.8	7.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	7.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.8	U	1.8	7.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110	*	56 - 120	210%	SPK: 50
1868-53-7	Dibromofluoromethane	89.5	*	57 - 135	179%	SPK: 50
2037-26-5	Toluene-d8	39		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.9		33 - 141	48%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245189	7.95			
540-36-3	1,4-Difluorobenzene	419648	8.84			
3114-55-4	Chlorobenzene-d5	252236	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	59939	13.56			

< 20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2717
Lab Sample ID:	K2717-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	4.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010361.D	1	Do not use this Form I	05/10/19 17:34	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0002-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062235.D	1		05/11/19 14:13	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	9	U	9	29.5	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	16.3	J+	6.1	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U J	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.99	U	0.99	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0002-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062235.D	1		05/11/19 14:13	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U J	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.8	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	~~U~~ R	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		57 - 135	115%	SPK: 50
2037-26-5	Toluene-d8	40.3		67 - 123	81%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.8		33 - 141	34%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	389969	7.05			
540-36-3	1,4-Difluorobenzene	466229	8.22	< 50%		
3114-55-4	Chlorobenzene-d5	231093	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	44062	14.52	< 20%		

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0002-01RE	SDG No.:	K2717
Lab Sample ID:	K2717-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062235.D	1		05/11/19 14:13	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062236.D	1		05/11/19 14:41	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.75	U	0.75	4.1	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.1	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	4.1	ug/Kg
74-83-9	Bromomethane	0.31	U J	0.31	4.1	ug/Kg
75-00-3	Chloroethane	0.47	U	0.47	4.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.53	U	0.53	4.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.66	U	0.66	4.1	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.1	ug/Kg
67-64-1	Acetone	11.3	J	6.3	20.5	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.1	U	1.1	4.1	ug/Kg
79-20-9	Methyl Acetate	2.3	U	2.3	4.1	ug/Kg
75-09-2	Methylene Chloride	4.4	J	4.3	8.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1	U	1	4.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	4.1	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.1	ug/Kg
78-93-3	2-Butanone	5.5	U	5.5	20.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.68	U	0.68	4.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	4.1	ug/Kg
74-97-5	Bromochloromethane	0.98	U	0.98	4.1	ug/Kg
67-66-3	Chloroform	0.71	U	0.71	4.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.1	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	4.1	ug/Kg
71-43-2	Benzene	0.69	U	0.69	4.1	ug/Kg
107-06-2	1,2-Dichloroethane	0.99	U	0.99	4.1	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.1	ug/Kg
78-87-5	1,2-Dichloropropane	1	U	1	4.1	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	4.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.6	U	4.6	20.5	ug/Kg
108-88-3	Toluene	0.8	U	0.8	4.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.83	U	0.83	4.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.88	U	0.88	4.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062236.D	1		05/11/19 14:41	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.1	ug/Kg
591-78-6	2-Hexanone	6.1	U	6.1	20.5	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.1	ug/Kg
127-18-4	Tetrachloroethene	0.57	U	0.57	4.1	ug/Kg
108-90-7	Chlorobenzene	0.65	U	0.65	4.1	ug/Kg
100-41-4	Ethyl Benzene	0.7	U	0.7	4.1	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.2	ug/Kg
95-47-6	o-Xylene	0.9	U	0.9	4.1	ug/Kg
100-42-5	Styrene	0.81	U	0.81	4.1	ug/Kg
75-25-2	Bromoform	2.7	U	2.7	4.1	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	4.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.87	U	0.87	4.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.87	U	0.87	4.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1	U	1	4.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	U	2.7	4.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.91	U	0.91	4.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1	U	1	4.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.7		56 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		57 - 135	103%	SPK: 50
2037-26-5	Toluene-d8	44.7		67 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.5		33 - 141	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	690661	7.04			
540-36-3	1,4-Difluorobenzene	984673	8.22			
3114-55-4	Chlorobenzene-d5	699752	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	261863	14.52			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2717
Lab Sample ID:	K2717-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062236.D	1		05/11/19 14:41	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.5
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062465.D	1		05/11/19 17:36	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.3	U J	8.3	27	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	5.6	U	5.6	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	U	0.98	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	27	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	U J	0.89	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.9	U	0.9	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6	U	6	27	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.5
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062465.D	1		05/11/19 17:36	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.8	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.93	U	0.93	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		56 - 120	107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		57 - 135	110%	SPK: 50
2037-26-5	Toluene-d8	43.1		67 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		33 - 141	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213929	5.06			
540-36-3	1,4-Difluorobenzene	270716	5.78			
3114-55-4	Chlorobenzene-d5	232020	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	138650	12.61			

5/16/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2717
Lab Sample ID:	K2717-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.5
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062465.D	1		05/11/19 17:36	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2717	**OrderDate:**	5/7/2019 12:20:02 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2717-01	**P026-SS001-0002-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/08/19	
K2717-02	**P026-SS001-0206-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/09/19	
K2717-03	**P026-SS001-0612-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/09/19	
K2717-03RE	**P026-SS001-0612-01RE**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/10/19	
K2717-04	**P026-SS001-1218-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/08/19	
K2717-05	**P026-SS001-1824-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/10/19	
K2717-06	**P026-SS002-0002-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/10/19	
K2717-07	**P026-SS002-0206-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/09/19	
K2717-08	**P026-SS002-0612-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/09/19	

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LAB CHRONICLE

K2717-09	P026-SS002-1218-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/09/19	
K2717-12	P026-SS002-1218-02	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/09/19	
K2717-12RE	P026-SS002-1218-02RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/10/19	
K2717-13	P026-SS002-1824-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/09/19	
K2717-13RE	P026-SS002-1824-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/10/19	
K2717-14	P026-SS003-0002-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/10/19	
K2717-15	P026-SS003-0206-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/09/19	
K2717-16	P026-SS003-0612-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/09/19	
K2717-16RE	P026-SS003-0612-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/10/19	
K2717-17	P026-SS003-1218-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/10/19	
K2717-18	P026-SS003-1824-01	SOIL			05/06/19		05/07/19

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LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/10/19	
K2717-19	**P026-SS004-0002-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/10/19	
K2717-19RE	**P026-SS004-0002-01RE**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2717-20	**P026-SS004-0206-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2717-21	**P026-SS004-0612-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	

CHEMTECH

SHIPPING DOCUMENTS

K2717

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS001-0002-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:20	3	Encore	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:20	1	4 oz glass w/ septum	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:28	3	Encore	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:28	1	4 oz glass w/ septum	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:35	3	Encore	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:35	1	4 oz glass w/ septum	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:44	3	Encore	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:44	1	4 oz glass w/ septum	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL VOCs (Solid)	5/6/2019	11:55	3	Encore	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	11:55	1	4 oz glass w/ septum	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:05	3	Encore	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:05	1	4 oz glass w/ septum	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:12	3	Encore	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:12	1	4 oz glass w/ septum	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:20	3	Encore	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:20	1	4 oz glass w/ septum	4 C	N
	P026-SS002-1218-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:24	9	Encore	4 C	Y
	P026-SS002-1218-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:24	2	4 oz glass w/ septum	4 C	Y
	P026-SS002-1218-02	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:24	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Weston RST3	5/6/2019 1800		5-7-19 1005	4.6°C / IR GUN #1
					5.3°C

K2717

6

6.1

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS002-1218-02	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:24	1	4 oz glass w/ septum	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	TCL VOCs (Solid)	5/6/2019	12:30	3	Encore	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:30	1	4 oz glass w/ septum	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	12:39	3	Encore	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:39	1	4 oz glass w/ septum	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	12:44	3	Encore	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:44	1	4 oz glass w/ septum	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	12:51	3	Encore	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	12:51	1	4 oz glass w/ septum	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	13:01	3	Encore	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:01	1	4 oz glass w/ septum	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	TCL VOCs (Solid)	5/6/2019	13:06	3	Encore	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:06	1	4 oz glass w/ septum	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:20	3	Encore	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:20	1	4 oz glass w/ septum	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:25	3	Encore	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:25	1	4 oz glass w/ septum	4 C	N
	P026-SS004-0612-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:32	3	Encore	4 C	N
	P026-SS004-0612-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:32	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	[signature] Weston & SFS	5/6/2019 1901	[signature]	5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

K2717

Lab Name CHEMTECH CONSULTING GROUP		Page 1 of 1
Received By (Print Name) George Nelson		Log-in Date 5/7/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS001-0002-01	MA No. ~~0100105~~ SC

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No.	7751-4863-4890
6. Sample Tags Sample Tag #	Absent Not Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	4.6, 5.3 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/07/2019
12. Time Received	10:05

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS001-0002	n/a	K2717-01	Intact
2	P026-SS001-0206	n/a	K2717-02	Intact
3	P026-SS001-0612	n/a	K2717-03	Intact
4	P026-SS001-1218	n/a	K2717-04	Intact
5	P026-SS001-1824	n/a	K2717-05	Intact
6	P026-SS002-0002	n/a	K2717-06	Intact
7	P026-SS002-0206	n/a	K2717-07	Intact
8	P026-SS002-0612	n/a	K2717-08	Intact
9	P026-SS002-1218	n/a	K2717-09	Intact
10	K2717-09MS	n/a	K2717-10	Intact
11	K2717-09MSD	n/a	K2717-11	Intact
12	P026-SS002-1218	n/a	K2717-12	Intact
13	P026-SS002-1824	n/a	K2717-13	Intact
14	P026-SS003-0002	n/a	K2717-14	Intact
15	P026-SS003-0206	n/a	K2717-15	Intact
16	P026-SS003-0612	n/a	K2717-16	Intact
17	P026-SS003-1218	n/a	K2717-17	Intact
18	P026-SS003-1824	n/a	K2717-18	Intact
19	P026-SS004-0002	n/a	K2717-19	Intact
20	P026-SS004-0206	n/a	K2717-20	Intact
21	P026-SS004-0612	n/a	K2717-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	Logbook No.
Date 5/7/19	Logbook Page No.

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2718

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: [signature] **Date:** 6/7/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 19 soil samples for TCL VOC analysis, including one field duplicate from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample coolers' temperatures measured 4.6 and 5.3 Degrees Celsius (^{o}C) respectively.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2718				
P026-SS004-1218-01	K2718-01	Soil	TCL VOCs	5/06/2019
P026-SS004-1824-01	K2718-02	Soil	TCL VOCs	5/06/2019
P026-SS005-0002-01	K2718-03	Soil	TCL VOCs	5/06/2019
P026-SS005-0206-01	K2718-04	Soil	TCL VOCs	5/06/2019
P026-SS005-0612-01	K2718-05	Soil	TCL VOCs	5/06/2019
P026-SS005-1218-01	K2718-06	Soil	TCL VOCs	5/06/2019
P026-SS005-1824-01	K2718-07	Soil	TCL VOCs	5/06/2019
P026-SS006-0002-01	K2718-08	Soil	TCL VOCs	5/06/2019
P026-SS006-0002-02[1]	K2718-11	Soil	TCL VOCs	5/06/2019
P026-SS006-0206-01	K2718-12	Soil	TCL VOCs	5/06/2019
P026-SS006-0612-01	K2718-13	Soil	TCL VOCs	5/06/2019
P026-SS006-1218-01	K2718-14	Soil	TCL VOCs	5/06/2019
P026-SS006-1824-01	K2718-15	Soil	TCL VOCs	5/06/2019
P026-SS007-0002-01	K2718-16	Soil	TCL VOCs	5/06/2019
P026-SS007-0206-01	K2718-17	Soil	TCL VOCs	5/06/2019
P026-SS007-0612-01	K2718-18	Soil	TCL VOCs	5/06/2019
P026-SS007-1218-01	K2718-19	Soil	TCL VOCs	5/06/2019
P026-SS007-1824-01	K2718-20	Soil	TCL VOCs	5/06/2019
P026-SS008-0002-01	K2718-21	Soil	TCL VOCs	5/06/2019

[1] A field duplicate sample of P026-SS006-0002-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformance (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P026-SS005-0002-01:
J – Acetone
P026-SS005-1218-01RE:
J – Acetone and methylene chloride
P026-SS006-0002-02RE:
J – Acetone
P026-SS006-0206-01:
J – Acetone
P026-SS006-0206-01:
J – Ethyl benzene and styrene
P026-SS007-1218-01:
UJ - all low-level non-detects.
P026-SS007-1824-01:
UJ - all low-level non-detects.
P026-SS008-0002-01:
UJ - all low-level non-detects.
J – Acetone, methyl acetate, methylene chloride, 2-butanone, and toluene

Note: Compounds that were rejected in sample P026-SS006-0002-01, P026-SS006-0002-02, P026-SS007-1218-01, P026-SS007-1824-01, and P026-SS008-0002-01 due to low IS recoveries (less than (<20%) were not further qualified due to low surrogate recoveries.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS/MSD analyses of sample P026-SS006-0002-01 yielded high MS and/or MSD recoveries for 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,2-dichloroethane, 2-butanone, 4-methyl-2-pentanone, bromochloromethane, bromodichloromethane, bromoform, bromomethane, chloroform, chloropropane, isopropylbenzene, methyl acetate, methyl tert-butyl ether, and trichlorofluoromethane. Since the laboratory control sample analysis yielded acceptable recoveries, the non-compliant recoveries listed above in MS/MSD may be due to matrix interference. These analytes were not detected in sample P026-SS006-0002-01, no action was required.

The relative percent differences (RPDs) of 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane, 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, bromochloromethane, bromodichloromethane, bromoform, cis-1,2-dichloroethene, cis-1,3-dichloropropene, dibromochloromethane, methyl acetate, methyl tert-butyl ether, methylene chloride, styrene and t-1,3-dichloropropene exceeded the acceptance criteria in the MS/MSD analyses of sample P026-SS006-0002-01. These compounds were not detected in sample P026-SS006-0002-01; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

Acetone was detected above the method detection limit (MDL) in the method blank. Since it was not detected in the associated samples, no qualification was required.

The following sample has common contaminant analyte concentrations reported greater than contract required quantitation limit (CRQL) but less than 2 times (2x) CRQL. The associated method blank has common contaminant analyte concentration less than the 2 X CRQL. Using professional judgment, for detected compounds less than the 2 X CRQL their results were qualified as non-detect (U) at the sample concentration. Non-detected compounds are not qualified.

B) Field or rinse blank contamination:

The rinse blank was reported in Sample Delivery Group (SDG) K2719. No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF

from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20 for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r ≥ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 7, 2019 and May 8, 2019 on instruments MSVOA.D, the %RSD was greater than (>) 20 for methyl acetate; for the initial calibration performed on May 8, 2019 on instrument MSVOA_N, the %RSD was >20 for methyl acetate and 1,2,4-trichlorobenze; and for the initial calibration performed on May 9, 2019 on instrument MSVOA_W, the %RSD was >20 for dichlorodifluoromethane. Since, methyl acetate, 1,2,4-trichlorobenzene, and dichlorodifluoromethane were fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 8, 2019 on instrument MSVOA.N, the %RSD was > 20 for 1, 2, 3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P026-SS008-0002-01ME and P026-SS007-0002-01, no action were required.

For the CCV analyzed on 5/10/2019 at 10:32 on instrument MSVOA_D, the %D was >20 for chloromethane, bromomethane, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for sample P026-SS005-0002-01RE, P026-SS005-0206-01RE, and P026-SS005-1218-01RE.

For the CCV analyzed on 5/11/2019 at 10:48 on instrument MSVOA_D, the %D was >20 for bromomethane, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for sample P026-SS006-0002-01, P026-SS006-0002-02RE, P026-SS006-0206-01RE, P026-SS006-0612-01, P026-SS006-1218-01, and P026-SS006-1824-01RE.

For the CCV analyzed on 5/12/2019 at 22:41 on instrument MSVOA_D, the %D was >20 for chloroethane, bromomethane, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for sample P026-SS005-1824-01 and P026-SS007-1218-01.

For the CCV analyzed 5/13/2019 at 10:22 on instrument MSVOA_D, the %D was >20 for bromomethane, chloromethane, trichlorofluoromethane, carbon tetrachloride, bromochloromethane, chloroform, 1,1,1-trichloroethane, and 1,2-dichloroethane. The non-detected results for these compounds were estimated (UJ) in samples P026-SS007-0206-01, P026-SS007-0612-01, P026-SS007-1218-01RE, and P026-SS007-1824-01RE.

For the CCV analyzed 5/12/2019 at 10:04 on instrument MSVOA_W, the %D was >20 for styrene. The non-detected result for styrene was estimated (UJ) for samples P026-SS007-1824-01 and P026-SS008-0002-01.

Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (<20% or <50%) were not further qualified due to CCV recoveries >20%.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but <50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P026-SS006-0002-01RE and P026-SS008-0002-01.
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS006-0002-01, P026-SS007-1824-01 and P026-SS008-0002-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS006-0002-01 and P026-SS007-1824-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS005-0206-01, P026-SS006-0206-01RE, P026-SS006-1824-01RE, P026-SS005-1824-01, P026-SS006-0206-01, and P026-SS006-1824-01
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P026-SS005-1218-01RE, P026-SS007-1218-01, P026-SS007-1218-01RE, P026-SS007-1824-01RE, P026-SS004-1218-01, P026-SS005-0002-01, P026-SS006-0002-02, and P026-SS007-1824-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS005-1218-01RE, P026-SS006-0002-02RE, P026-SS007-1218-01, P026-SS007-1218-01RE, P026-SS007-1824-01RE, P026-SS004-1218-01, P026-SS005-0002-01, and P026-SS006-0002-02
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS005-1218-01RE, P026-SS006-0002-02RE, P026-SS007-1218-01, P026-SS007-1218-01RE, P026-SS007-1824-01RE, P026-SS004-1218-01, P026-SS005-0002-01, P026-SS006-0002-02, and P026-SS008-0002-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS005-1218-01RE, P026-SS006-0002-01, P026-SS006-0002-02RE, P026-SS007-1218-01, P026-SS007-1218-01RE, P026-SS007-1824-01RE, P026-SS004-1218-01, P026-SS005-0002-01, P026-SS006-0002-02, P026-SS007-1824-01, and P026-SS008-0002-01
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P001-SS015-0612-01MS, P001-SS015-0612-01MSD, P001-SS016-0006-01MS, and P001-SS016-0006-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Field duplicates P026-SS006-0002-01 and P026-SS006-0002-02 were submitted for analysis of soil samples. Acetone and methylene chloride were not detected in sample P026-SS006-0002-01; their

concentrations were greater than CRQL in field duplicate sample P026-SS006-0002-02. Since above listed compounds were previously qualified in sample P026-SS006-0002-01 and its field duplicate P026-SS006-0002-02, no further qualification was required.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.
If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (≥85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (<85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported several non-target VOCs as TICs. The non-target VOCs are not project target analytes but were present in the sample and quantitated using the VOC calibration standards in the following samples:

P026-SS004-1824-01: Naphthalene
P026-SS006-0002-02: Diethyl ether
P026-SS007-0002-01: Naphthalene and 1,2,4-Trimethylbenzene
P026-SS008-0002-01: Tert Butyl Alcohol

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to medium level dilution analysis, the laboratory qualified the associated analytes results with D qualifiers on the Form Is. The data reviewer removed the "D" qualifier from the Form Is.

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recoveries of 1,3-dichlorobenzene and 1,2,3-trichlorobenzene exceeded the acceptance criteria in the laboratory control sample (LCS) associated with samples P026-SS006-0002-01, P026-SS006-0002-02RE, P026-SS006-0206-01RE, P026-SS006-0612-01, P026-SS006-1218-01, and P026-SS006-1824-01RE. The non-detected results for these compounds were not qualified.

The recoveries of bromomethane, trichlorofluoromethane, 1,2-dichloroethane, and bromodichloromethane exceeded the acceptance criteria in the LCS associated with samples P026-SS007-0206-01, P026-SS007-0612-01, P026-SS007-1218-01RE, and P026-SS007-1824-01RE. The non-detected results for these compounds were not qualified.

The recovery of bromochloromethane exceeded the acceptance criteria in the LCS associated with samples P026-SS007-1824-01 and P026-SS008-0002-01. The non-detected results for these compounds were not qualified.

Three internal standards failed in sample P026-SS006-0002-01 and laboratory did not reanalyzed the sample. Data reviewer contacted the laboratory and was told that, for sample P026-SS006-0002-01, Vial A was analyzed and internal standard recoveries were outside the QC limits and as a corrective action lab has analyzed Vial B. However, Vial B did not purge therefore lab has reported only original analysis in hardcopy.

The laboratory noted in the case narrative that, for sample P001-SS016-0612, Vial B run for Encore did not match with the Vial A results. There were no more vials for further analysis.

Samples P001-SS015-1218-01, P001-SS016-0612-01, P001-SS016-1218-01, P001-SS016-1824-01, P001-SS017-0006-01, P001-SS017-0612-01, P001-SS017-1218-01, P001-SS018-0006-01, P001-SS018-0612-01, P001-SS018-1218-01 were re-analyzed due to surrogate and/or internal standard failures.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

P026-SS008-0002-01 was analyzed once as a low-level VOC and then, from the methanol-preserved vial. Acetone exceeded the calibration range in the low-level analysis, but was not detected in the subsequent medium level analyses, rather than report acetone as non-detected, the acetone result was reported from the initial analysis as detected and qualified with the J+ qualifier due to low internal standard recovery.

Surrogate and/or internal standard failed in samples P026-SS004-1218-01, P026-SS004-1824-01, P026-SS005-0612-01, and P026-SS006-0002-01. The case narrative indicated that the first analyses of this sample was performed using Vial A for low level volatile fraction and Vial B did not purge well; and there was no other vial left for further analysis. Therefore, laboratory reported final analysis from Vial A run. As a corrective action, the lab reported Vial B raw data in miscellaneous as screening data section.

For sample P026-SS008-0002-01, most VOCs except for tetrachloroethene, chlorobenzene, ethyl benzene, m/p-xylene, o-xylene, styrene, bromoform, isopropylbenzene, 1,1,2,2-tetrachloroethane,

1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene, were reported from P026-SS008-0002-01ME.

For the CCV analyzed on 5/11/2019 at 10:48 on instrument MSVOA_D, the %D was >20 for 1,2,4-trichlorobenzene. Lab failed to mention in case narrative, data reviewer manually corrected the case narrative and initialed it.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

Where more than one analysis was reported for a sample, the following results were reported: P026-SS005-0002-01RE, P026-SS005-0206-01, P026-SS005-1218-01, P026-SS006-0002-02RE, P026-SS006-0206-01, P026-SS006-1824-01, P026-SS007-1218-01, P026-SS007-1824-01, and P026-SS008-0002-01

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01RE	P026-SS005-0206-01	P026-SS005-0612-01
Lab Sample ID	K2718-01	K2718-02	K2718-03RE	K2718-04	K2718-05
Sample weight (g)	6.01	6.19	3.28	5.41	4.71
Moisture (%)	11.4	12.5	20.6	15.2	17.6
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	R	0.84 U	1.7 U	0.99 U	1.2 U
Chloromethane	R	1.6 U	3.4 UJ	1.9 U	2.3 U
Vinyl Chloride	R	1 U	2.1 U	1.2 U	1.4 U
Bromomethane	R	0.35 U	0.73 UJ	0.41 U	0.49 U
Chloroethane	R	0.53 U	1.1 U	0.63 U	0.74 U
Trichlorofluoromethane	R	0.6 U	1.2 U	0.7 U	0.83 U
1,1,2-Trichlorotrifluoroethane	R	0.74 U	1.5 U	0.87 U	1 U
1,1-Dichloroethene	R	0.92 U	1.9 U	1.1 U	1.3 U
Acetone	R	7.1 U	14.7 U	8.4 U	9.9 U
Carbon Disulfide	R	0.99 U	2.1 U	1.2 U	1.4 U
Methyl tert-butyl Ether	R	1.3 U	2.7 U	1.5 U	1.8 U
Methyl Acetate	R	2.6 U	5.4 U	3.1 U	3.6 U
Methylene Chloride	R	4.8 U	**17.2 J**	5.7 U	6.7 U
trans-1,2-Dichloroethene	R	1.2 U	2.4 U	1.4 U	1.6 U
1,1-Dichloroethane	R	0.84 U	1.7 U	0.99 U	1.2 U
Cyclohexane	R	1.7 U	3.4 U	2 U	2.3 U
2-Butanone	R	6.2 U	12.8 U	7.3 U	8.6 U
Carbon Tetrachloride	R	0.76 U	1.6 U	0.9 U	1.1 U
cis-1,2-Dichloroethene	R	0.91 U	1.9 U	1.1 U	1.3 U
Bromochloromethane	R	1.1 U	2.3 U	1.3 U	1.5 U
Chloroform	R	0.8 U	1.7 U	0.94 U	1.1 U
1,1,1-Trichloroethane	R	0.98 U	2 U	1.2 U	1.4 U
Methylcyclohexane	R	1.1 U	2.3 U	1.3 U	1.5 U
Benzene	R	0.77 U	1.6 U	0.91 U	1.1 U
1,2-Dichloroethane	R	1.1 U	2.3 U	1.3 U	1.5 U
Trichloroethene	R	0.86 U	1.8 U	1 U	1.2 U
1,2-Dichloropropane	R	1.2 U	2.4 U	1.4 U	1.6 U
Bromodichloromethane	R	0.92 U	1.9 U	1.1 U	1.3 U
4-Methyl-2-Pentanone	R	5.2 U	10.7 U	6.1 U	7.2 U
Toluene	R	0.9 U	1.9 U	1.1 U	1.3 U
t-1,3-Dichloropropene	R	0.93 U	1.9 U	1.1 U	1.3 U
cis-1,3-Dichloropropene	R	0.99 U	2.1 U	1.2 U	1.4 U
1,1,2-Trichloroethane	R	1.3 U	2.7 U	1.6 U	1.8 U
2-Hexanone	R	6.8 U	14.2 U	8 U	9.5 U
Dibromochloromethane	R	1.2 U	2.5 U	1.4 U	1.7 U
1,2-Dibromoethane	R	1.2 U	2.5 U	1.4 U	1.7 U
Tetrachloroethene	R	0.64 U	1.3 U	0.76 U	0.9 U
Chlorobenzene	R	0.73 U	1.5 U	0.86 U	1 U
Ethyl Benzene	R	0.79 U	1.6 U	0.93 U	1.1 U
m/p-Xylenes	R	1.5 U	3.2 U	1.8 U	2.1 U
o-Xylene	R	1 U	2.1 U	1.2 U	1.4 U
Styrene	R	0.91 U	1.9 U	1.1 U	1.3 U
Bromoform	R	3 U	6.3 U	3.6 U	4.2 U
Isopropylbenzene	R	0.8 U	1.7 U	0.94 U	1.1 U
1,1,2,2-Tetrachloroethane	R	1 U	2.1 U	1.2 U	1.4 U
1,3-Dichlorobenzene	R	0.98 U	2 U	1.2 U	1.4 U
1,4-Dichlorobenzene	R	0.97 U	2 U	1.2 U	1.4 U
1,2-Dichlorobenzene	R	1.2 U	2.4 U	1.4 U	1.6 U
1,2-Dibromo-3-Chloropropane	R	3.1 U	6.4 U	3.6 U	4.3 U
1,2,4-Trichlorobenzene	R	1 U	2.1 U	1.2 U	1.4 U
1,2,3-Trichlorobenzene	R	1.2 U	2.4 UJ	1.4 U	1.6 U

U: Not detected at the indicated concentration
RE: Reanalysis
R: Rejected
J: Estimated result/J+: Estimate result with a high bias
µg/Kg = micrograms per kilogram
Bolded result - Detected Value
* Reported from Methanol-preserved vial. Medium level (ME) analysis

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02RE[1]	P026-SS006-0206-01
Lab Sample ID	K2718-06	K2718-07	K2718-08	K2718-11RE	K2718-12
Sample weight (g)	5.79	6.11	5.21	5	5.24
Moisture (%)	14.6	16.5	24	19.3	9
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.92 U	0.89 U	1.1 UJ	1.1 UJ	0.95 U
Chloromethane	1.8 U	1.7 U	2.3 UJ	2.1 UJ	1.9 U
Vinyl Chloride	1.1 U	1.1 U	1.4 UJ	1.3 UJ	1.2 U
Bromomethane	0.38 U	0.37 UJ	0.48 UJ	0.45 UJ	0.4 U
Chloroethane	0.58 U	0.56 UJ	0.73 UJ	0.69 UJ	0.6 U
Trichlorofluoromethane	0.65 U	0.63 U	0.82 UJ	0.77 UJ	0.68 U
1,1,2-Trichlorotrifluoroethane	0.81 U	0.79 U	1 UJ	0.95 UJ	0.84 U
1,1-Dichloroethene	1 U	0.97 U	1.3 UJ	1.2 UJ	1 U
Acetone	7.8 U	7.5 U	9.7 UJ	**17.5 J+**	**9.7 J**
Carbon Disulfide	1.1 U	1 U	1.4 UJ	1.3 UJ	1.1 U
Methyl tert-butyl Ether	1.4 U	1.4 U	1.8 UJ	1.7 UJ	1.5 U
Methyl Acetate	2.8 U	2.8 U	3.5 UJ	3.3 UJ	2.9 U
Methylene Chloride	5.3 U	5.1 U	6.6 UJ	**6.9 J+**	13.2 U
trans-1,2-Dichloroethene	1.3 U	1.2 U	1.6 UJ	1.5 UJ	1.3 U
1,1-Dichloroethane	0.92 U	0.89 U	1.1 UJ	1.1 UJ	0.95 U
Cyclohexane	1.8 U	1.8 U	2.3 UJ	2.1 UJ	1.9 U
2-Butanone	6.7 U	6.5 U	8.4 UJ	7.9 UJ	7 U
Carbon Tetrachloride	0.83 U	0.81 U	1 UJ	R	0.86 U
cis-1,2-Dichloroethene	1 U	0.97 U	1.2 UJ	1.2 UJ	1 U
Bromochloromethane	1.2 U	1.2 U	1.5 UJ	1.4 UJ	1.3 U
Chloroform	0.87 U	0.85 U	1.1 UJ	1 UJ	0.91 U
1,1,1-Trichloroethane	1.1 U	1 U	1.3 UJ	1.3 UJ	1.1 U
Methylcyclohexane	1.2 U	1.2 U	1.5 UJ	R	1.2 U
Benzene	0.85 U	0.82 U	1.1 UJ	R	0.88 U
1,2-Dichloroethane	1.2 U	1.2 U	1.5 UJ	R	1.3 U
Trichloroethene	0.94 U	0.91 U	1.2 UJ	R	0.98 U
1,2-Dichloropropane	1.3 U	1.2 U	1.6 UJ	R	1.3 U
Bromodichloromethane	1 U	0.97 U	1.3 UJ	R	1 U
4-Methyl-2-Pentanone	5.7 U	5.5 U	7.1 UJ	R	5.9 U
Toluene	0.99 U	0.96 U	1.2 UJ	R	1 U
t-1,3-Dichloropropene	1 U	0.99 U	1.3 UJ	R	1.1 U
cis-1,3-Dichloropropene	1.1 U	1 U	1.4 UJ	R	1.1 U
1,1,2-Trichloroethane	1.4 U	1.4 U	1.8 UJ	R	1.5 U
2-Hexanone	7.5 U	7.2 U	9.3 UJ	R	7.7 U
Dibromochloromethane	1.3 U	1.3 U	1.7 UJ	R	1.4 U
1,2-Dibromoethane	1.3 U	1.3 U	1.6 UJ	R	1.4 U
Tetrachloroethene	0.7 U	0.68 U	0.88 UJ	R	0.73 U
Chlorobenzene	0.8 U	0.77 U	0.99 UJ	R	0.83 U
Ethyl Benzene	0.86 U	0.84 U	1.1 UJ	R	0.89 U
m/p-Xylenes	1.7 U	1.6 U	2.1 UJ	R	1.7 U
o-Xylene	1.1 U	1.1 U	1.4 UJ	R	1.2 U
Styrene	1 U	0.97 U	1.3 UJ	R	1 U
Bromoform	3.3 U	3.2 U	4.1 UJ	R	3.4 U
Isopropylbenzene	0.88 U	0.85 UJ	R	R	0.91 UJ
1,1,2,2-Tetrachloroethane	1.1 U	1.1 UJ	R	R	1.1 UJ
1,3-Dichlorobenzene	1.1 U	1 UJ	R	R	1.1 UJ
1,4-Dichlorobenzene	1.1 U	1 UJ	R	R	1.1 UJ
1,2-Dichlorobenzene	1.3 U	1.2 UJ	R	R	1.3 UJ
1,2-Dibromo-3-Chloropropane	3.4 U	3.3 UJ	R	R	3.5 UJ
1,2,4-Trichlorobenzene	1.1 U	1.1 UJ	R	R	1.2 UJ
1,2,3-Trichlorobenzene	1.3 U	1.2 UJ	R	R	1.3 UJ

U: Not detected at the indicated concentration. RE: Reanalysis R: Rejected

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

* Reported from Methanol-preserved vial, Medium level (ME) analysis

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01	P026-SS007-0206-01
Lab Sample ID	K2718-13	K2718-14	K2718-15	K2718-16	K2718-17
Sample weight (g)	5.46	6.03	6.36	5.13	5.58
Moisture (%)	6.5	10	12.1	21.7	21.2
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.89 U	0.84 U	0.81 U	110 U	1 U
Chloromethane	1.7 U	1.6 U	1.6 U	220 U	2 UJ
Vinyl Chloride	1.1 U	1 U	0.99 U	140 U	1.3 U
Bromomethane	0.37 UJ	0.35 UJ	0.34 U	47.1 U	0.43 UJ
Chloroethane	0.56 U	0.53 U	0.51 U	71.6 U	0.65 U
Trichlorofluoromethane	0.63 U	0.59 U	0.58 U	80.4 U	0.73 UJ
1,1,2-Trichlorotrifluoroethane	0.78 U	0.74 U	0.72 U	99.7 U	0.91 U
1,1-Dichloroethene	0.97 U	0.91 U	0.89 U	120 U	1.1 U
Acetone	7.5 U	7.1 U	6.9 U	960 U	8.7 U
Carbon Disulfide	1 U	0.99 U	0.96 U	130 U	1.2 U
Methyl tert-butyl Ether	1.4 U	1.3 U	1.2 U	170 U	1.6 U
Methyl Acetate	2.8 U	2.6 U	2.5 U	350 U	3.2 U
Methylene Chloride	5.1 U	4.8 U	4.6 U	650 U	5.9 U
trans-1,2-Dichloroethene	1.2 U	1.2 U	1.1 U	160 U	1.4 U
1,1-Dichloroethane	0.89 U	0.84 U	0.81 U	110 U	1 U
Cyclohexane	1.8 U	1.7 U	1.6 U	**630**	2 U
2-Butanone	6.5 U	6.1 U	6 U	830 U	7.6 U
Carbon Tetrachloride	0.81 U	0.76 U	0.74 U	100 U	0.94 UJ
cis-1,2-Dichloroethene	0.97 U	0.91 U	0.88 U	120 U	1.1 U
Bromochloromethane	1.2 U	1.1 U	1.1 U	150 U	1.4 UJ
Chloroform	0.85 U	0.8 U	0.77 U	110 U	0.98 UJ
1,1,1-Trichloroethane	1 U	0.98 U	0.95 U	130 U	1.2 UJ
Methylcyclohexane	1.2 U	1.1 U	1.1 U	**1900**	1.3 U
Benzene	0.82 U	0.77 U	0.75 U	100 U	0.95 U
1,2-Dichloroethane	1.2 U	1.1 U	1.1 U	150 U	1.4 UJ
Trichloroethene	0.91 U	0.86 U	0.83 U	120 U	1.1 U
1,2-Dichloropropane	1.2 U	1.1 U	1.1 U	160 U	1.4 U
Bromodichloromethane	0.97 U	0.92 U	0.89 U	120 U	1.1 U
4-Methyl-2-Pentanone	5.5 U	5.2 U	5 U	700 U	6.4 U
Toluene	0.96 U	0.9 U	0.87 U	**160 J**	1.1 U
t-1,3-Dichloropropene	0.99 U	0.93 U	0.9 U	130 U	1.1 U
cis-1,3-Dichloropropene	1 U	0.99 U	0.96 U	130 U	1.2 U
1,1,2-Trichloroethane	1.4 U	1.3 U	1.3 U	180 U	1.6 U
2-Hexanone	7.2 U	6.8 U	6.6 U	920 U	8.4 U
Dibromochloromethane	1.3 U	1.2 U	1.2 U	160 U	1.5 U
1,2-Dibromoethane	1.3 U	1.2 U	1.2 U	160 U	1.5 U
Tetrachloroethene	0.68 U	0.64 U	0.62 U	86.5 U	0.79 U
Chlorobenzene	0.77 U	0.73 U	0.7 U	98 U	0.9 U
Ethyl Benzene	0.84 U	0.79 U	0.76 U	**140 J**	0.97 U
m/p-Xylenes	1.6 U	1.5 U	1.5 U	**970 J**	1.9 U
o-Xylene	1.1 U	1 U	0.98 U	**780**	1.2 U
Styrene	0.97 U	0.91 U	0.89 U	120 U	1.1 U
Bromoform	3.2 U	3 U	2.9 U	410 U	3.7 U
Isopropylbenzene	0.85 U	0.8 U	0.77 UJ	110 U	0.98 U
1,1,2,2-Tetrachloroethane	1.1 U	1 U	0.97 UJ	140 U	1.2 U
1,3-Dichlorobenzene	1 U	0.98 U	0.95 UJ	130 U	1.2 U
1,4-Dichlorobenzene	1 U	0.97 U	0.94 UJ	130 U	1.2 U
1,2-Dichlorobenzene	1.2 U	1.2 U	1.1 UJ	160 U	1.4 U
1,2-Dibromo-3-Chloropropane	3.3 U	3.1 U	3 UJ	410 U	3.8 U
1,2,4-Trichlorobenzene	1.1 UJ	1 UJ	0.99 UJ	140 U	1.3 U
1,2,3-Trichlorobenzene	1.2 UJ	1.2 UJ	1.1 UJ	160 U	1.4 U

U: Not detected at the indicated concentration. RE: Reanalysis R: Rejected

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

* Reported from Methanol-preserved vial, Medium level (ME) analysis

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01
Lab Sample ID	K2718-18	K2718-19	K2718-20	K2718-21
Sample weight (g)	5.42	5.18	6.18	3.65, *3.91
Moisture (%)	19	18.1	17.6	50.7
Dilution Factor	1	1	1	1
Volatile Organic Compounds (ug/kg)				
Dichlorodifluoromethane	1 U	R	R	2.5 UJ
Chloromethane	2 UJ	R	R	5 UJ
Vinyl Chloride	1.3 U	R	R	3.1 UJ
Bromomethane	0.43 UJ	R	R	1.1 UJ
Chloroethane	0.66 U	R	R	1.6 UJ
Trichlorofluoromethane	0.74 UJ	R	R	1.8 UJ
1,1,2-Trichlorotrifluoroethane	0.91 U	R	R	2.2 UJ
1,1-Dichloroethene	1.1 U	R	R	2.8 UJ
Acetone	**71.6**	R	R	**8400 J+**
Carbon Disulfide	1.2 U	R	R	3 UJ
Methyl tert-butyl Ether	1.6 U	R	R	3.9 UJ
Methyl Acetate	3.2 U	R	R	**110 J+**
Methylene Chloride	5.9 U	R	R	**14.8 J+**
trans-1,2-Dichloroethene	1.4 U	R	R	3.5 UJ
1,1-Dichloroethane	1 U	R	R	2.5 UJ
Cyclohexane	2 U	R	R	5 UJ
2-Butanone	7.6 U	R	R	**490 J+**
Carbon Tetrachloride	0.94 UJ	R	0.81 UJ	2.3 UJ
cis-1,2-Dichloroethene	1.1 U	R	R	2.7 UJ
Bromochloromethane	1.4 UJ	R	R	3.3 UJ
Chloroform	0.98 UJ	R	R	2.4 UJ
1,1,1-Trichloroethane	1.2 UJ	R	R	2.9 UJ
Methylcyclohexane	1.3 U	R	1.2 UJ	3.3 UJ
Benzene	0.95 U	R	0.82 UJ	2.3 UJ
1,2-Dichloroethane	1.4 UJ	R	1.2 UJ	3.3 UJ
Trichloroethene	1.1 U	R	0.92 UJ	2.6 UJ
1,2-Dichloropropane	1.4 U	R	1.2 UJ	3.5 UJ
Bromodichloromethane	1.1 U	R	0.98 UJ	2.8 UJ
4-Methyl-2-Pentanone	6.4 U	R	5.5 UJ	15.5 UJ
Toluene	1.1 U	R	0.96 UJ	**3.4 J+**
t-1,3-Dichloropropene	1.1 U	R	0.99 UJ	2.8 UJ
cis-1,3-Dichloropropene	1.2 U	R	1.1 UJ	3 UJ
1,1,2-Trichloroethane	1.6 U	R	1.4 UJ	4 UJ
2-Hexanone	8.4 U	R	7.2 UJ	20.5 UJ
Dibromochloromethane	1.5 U	R	1.3 UJ	3.6 UJ
1,2-Dibromoethane	1.5 U	R	1.3 UJ	3.6 UJ
Tetrachloroethene	0.79 U	R	0.68 UJ	*180 U
Chlorobenzene	0.9 U	R	0.77 UJ	*200 U
Ethyl Benzene	0.97 U	R	0.84 UJ	*220 U
m/p-Xylenes	1.9 U	R	1.6 UJ	*430 U
o-Xylene	1.2 U	R	1.1 UJ	*280 U
Styrene	1.1 U	R	0.97 UJ	*260 U
Bromoform	3.7 U	R	3.2 UJ	*850 U
Isopropylbenzene	0.99 U	R	R	*220 U
1,1,2,2-Tetrachloroethane	1.2 U	R	R	*280 U
1,3-Dichlorobenzene	1.2 U	R	R	*280 U
1,4-Dichlorobenzene	1.2 U	R	R	*270 U
1,2-Dichlorobenzene	1.4 U	R	R	*330 U
1,2-Dibromo-3-Chloropropane	3.8 U	R	R	*860 U
1,2,4-Trichlorobenzene	1.3 U	R	R	*290 U
1,2,3-Trichlorobenzene	1.4 U	R	R	*330 U

U: Not detected at the indicated concentration. RE: Reanalysis R: Rejected

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

* Reported from Methanol-preserved vial, Medium level (ME) analysis

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : K2718

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2718-01	P026-SS004-1218-01
K2718-02	P026-SS004-1824-01
K2718-03	P026-SS005-0002-01
K2718-04	P026-SS005-0206-01
K2718-05	P026-SS005-0612-01
K2718-06	P026-SS005-1218-01
K2718-07	P026-SS005-1824-01
K2718-08	P026-SS006-0002-01
K2718-09	K2718-08MS
K2718-10	K2718-08MSD
K2718-11	P026-SS006-0002-02
K2718-12	P026-SS006-0206-01
K2718-13	P026-SS006-0612-01
K2718-14	P026-SS006-1218-01
K2718-15	P026-SS006-1824-01
K2718-16	P026-SS007-0002-01
K2718-17	P026-SS007-0206-01
K2718-18	P026-SS007-0612-01
K2718-19	P026-SS007-1218-01
K2718-20	P026-SS007-1824-01
K2718-21	P026-SS008-0002-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Summary at 8:05 am, May 15, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2718
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/07/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P026-SS004-1218-01 [1,2-Dichloroethane-d4 - 130%],
P026-SS004-1824-01 [1,2-Dichloroethane-d4 - 127%],
P026-SS005-0002-01 [1,2-Dichloroethane-d4 - 142%, Dibromofluoromethane - 136%],
P026-SS005-0206-01 [1,2-Dichloroethane-d4 - 125%],
P026-SS005-0612-01 [1,2-Dichloroethane-d4 - 122%],
P026-SS005-1218-01 [1,2-Dichloroethane-d4 - 124%],
P026-SS005-1218-01RE [1,2-Dichloroethane-d4 - 275%, Dibromofluoromethane - 159%],
P026-SS006-0002-01 [4-Bromofluorobenzene - 32%],
P026-SS006-0002-01 [4-Bromofluorobenzene - 26%, Toluene-d8 - 66%],
P026-SS006-0002-02 [4-Bromofluorobenzene - 21%, Toluene-d8 - 54%],
P026-SS006-0002-02RE [1,2-Dichloroethane-d4 - 165%, Dibromofluoromethane - 140%],
P026-SS006-0206-01 [1,2-Dichloroethane-d4 - 152%],
P026-SS006-0206-01RE [1,2-Dichloroethane-d4 - 121%],
P026-SS006-1824-01 [1,2-Dichloroethane-d4 - 136%],
P026-SS007-1218-01 [1,2-Dichloroethane-d4 - 360%, Dibromofluoromethane - 240%, Toluene-d8 - 51%],

P026-SS007-1218-01RE [1,2-Dichloroethane-d4 - 205%],
P026-SS007-1824-01 [1,2-Dichloroethane-d4 - 297%, Dibromofluoromethane - 176%, Toluene-d8 - 53%],
P026-SS007-1824-01RE [1,2-Dichloroethane-d4 - 152%],
P026-SS008-0002-01 [1,2-Dichloroethane-d4 - 206%, Dibromofluoromethane - 149%, Toluene-d8 - 47%]. Samples were reanalyzed for surrogate failure.

The Internal Standards Areas met the acceptable requirements except for P026-SS004-1218-01, P026-SS005-0002-01, P026-SS005-0206-01RE, P026-SS005-1218-01RE, P026-SS006-0002-01, P026-SS006-0002-01MS, P026-SS006-0002-01MSD, P026-SS006-0002-02RE, P026-SS006-0206-01, P026-SS006-0206-01RE, P026-SS006-1824-01, P026-SS007-1218-01, P026-SS007-1218-01RE, P026-SS007-1824-01 and P026-SS008-0002-01. Samples were reanalyzed for the Internal standard failures.

The Retention Times were acceptable for all samples.

The MS {K2718-09MS} with File ID: VD062238.D recoveries met the requirements for all compounds except for 1,1,1-Trichloroethane[149%], 1,1,2,2-Tetrachloroethane[313%], 1,1,2-Trichloroethane[136%], 1,1-Dichloroethane[136%], 1,2-Dibromo-3-Chloropropane[272%], 1,2-Dichlorobenzene[128%], 1,2-Dichloroethane[163%], 2-Butanone[138%], 4-Methyl-2-Pentanone[151%], Bromochloromethane[149%], Bromodichloromethane[149%], Bromoform[163%], Bromomethane[217%], Chloroform[136%], Isopropylbenzene[190%], Methyl Acetate[652%], Methyl tert-butyl Ether[163%] and Trichlorofluoromethane[149%] .

The MSD {K2718-10MSD} with File ID: VD062239.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane [194%], 1,2-Dibromo-3-Chloropropane [180%], Bromomethane [208%], Isopropylbenzene[180%] and Methyl Acetate[374%].
The RPD for {K2718-10MSD} with File ID: VD062239.D met criteria except for 1,1,1-Trichloroethane[22%], 1,1,2,2-Tetrachloroethane[47%], 1,1,2-Trichloroethane[26%], 1,2-Dibromo-3-Chloropropane[40%], 1,2-Dibromoethane[37%], 1,2-Dichloroethane[34%], 2-Butanone[52%], 2-Hexanone[45%], 4-Methyl-2-Pentanone[44%], Acetone[55%], Bromochloromethane[25%], Bromodichloromethane[31%], Bromoform[36%], cis-1,2-Dichloroethene[24%], cis-1,3-Dichloropropene[21%], Dibromochloromethane[30%], Methyl Acetate[54%], Methyl tert-butyl Ether[43%], Methylene Chloride[24%], Styrene[25%] and t-1,3-Dichloropropene[33%] .

Due to the internal standard failure the results for MS/MSD and the RPD are excessively high. No further reanalysis wasperformed for the MS/MSD since no corrective action is required.

The Blank Spike for {VD0511SBS01} with File ID: VD062230.D met requirements for all samples except for 1,2,3-Trichlorobenzene [135%], 1,3-Dichlorobenzene [121%].

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The Blank Spike for {VD0513SBS01} with File ID: VD062297.D met requirements for all samples except for 1,2-Dichloroethane[132%], Bromodichloromethane[124%], Bromomethane[150%] and Trichlorofluoromethane[136%] .

The Blank Spike for {VW0512SBS01} with File ID: VW010400.D met requirements for all samples except for Bromochloromethane[134%] .

The Blank analysis indicated presence of Methylene Chloride [7.8 ug/Kg] FileID:VW010352.D{VW0510SBL01} due to possible lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate. This compound is passing on Linear regression.

The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82N050819W.M) for Methyl Acetate, Isopropylbenzene, 1,1,2,2-Tetrachlroethane, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene. These compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 82W050819W.M) for Dichlorofluoromethane, this compound is passing on Linear regression.

The Continuous Calibration File ID VD062206.D met the requirements except for Chloromethane, Bromomethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.

The Continuous Calibration File ID VD062228.D met the requirements except for Bromomethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.
The Continuous Calibration File ID VD062273.D met the requirements except for Bromomethane, Chloroethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples. 1,2,4-Trichlorobenzene

The Continuous Calibration File ID VD062295.D met the requirements except for Bromomethane, Chloroethane, Trichlorotrifluoroethane, Carbon Tetrachloride, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane and 1,2-Dichloroethane. These compounds were not found in the samples.

The Continuous Calibration File ID VW010398.D met the requirements except for Styrene. This compound was not found in the samples.

The Tuning criteria met requirements.

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Sample P026-SS007-0002-01 was reported from the methanol dilution analysis due to the high concentration of target compounds.. Vial A and B analysis did not purge correct. The data is included in the screening data for your reference.

Sample P026-SS008-0002-01 was diluted due to high concentration of target compounds.

Samples P026-SS004-1218-01, P026-SS004-1824-01, P026-SS005-0612-01 and P026-SS006-0002-01 were analyzed using Vials A and B due to surrogate and internal. The analysis of Vial B did not purge well. There was no other vial for further reanalysis. The second analysis raw data is in the screening data section.

E. Additional Comments:

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15/20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:55 pm, May 16, 2019

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.4
Sample Wt/Vol:	6.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010343.D	1		05/09/19 18:17	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U R	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
67-64-1	Acetone	7.2	U	7.2	23.5	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.5	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.4
Sample Wt/Vol:	6.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010343.D	1		05/09/19 18:17	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U R	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.5	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.4	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.93	U	0.93	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.81	U	0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.8	*	56 - 120	130%	SPK: 50
1868-53-7	Dibromofluoromethane	65.8		57 - 135	132%	SPK: 50
2037-26-5	Toluene-d8	52.5		67 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.5		33 - 141	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110212	7.95			
540-36-3	1,4-Difluorobenzene	161597	8.84			
3114-55-4	Chlorobenzene-d5	144254	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	49067	13.56			

<20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.4
Sample Wt/Vol:	6.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010343 D	1		05/09/19 18:17	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010344.D	1		05/09/19 18:44	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	4.6	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	U	0.6	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.74	U	0.74	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	4.6	ug/Kg
67-64-1	Acetone	7.1	U	7.1	23.1	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	4.6	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.6	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.8	U	0.8	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.92	U	0.92	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.1	ug/Kg
108-88-3	Toluene	0.9	U	0.9	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.99	U	0.99	4.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010344.D	1		05/09/19 18:44	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.8	U	6.8	23.1	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.64	U	0.64	4.6	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.79	U	0.79	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.2	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.91	U	0.91	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.8	U	0.8	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.98	U	0.98	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.97	U	0.97	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.3	*	56 - 120	127%	SPK: 50
1868-53-7	Dibromofluoromethane	57.2		57 - 135	114%	SPK: 50
2037-26-5	Toluene-d8	54.1		67 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1262840	7.95			
540-36-3	1,4-Difluorobenzene	2159920	8.84			
3114-55-4	Chlorobenzene-d5	1898190	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	832348	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	3.4	J		15.37	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	6.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010344.D	1		05/09/19 18:44	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010345.D	1	D Rust+	05/09/19 19:11	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U R	1.1	6.2	ug/Kg
74-87-3	Chloromethane	2.2	U	2.2	6.2	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.2	ug/Kg
74-83-9	Bromomethane	0.47	U	0.47	6.2	ug/Kg
75-00-3	Chloroethane	0.71	U	0.71	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.8	U	0.8	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6.2	ug/Kg
67-64-1	Acetone	380	J+	9.5	31.1	ug/Kg
75-15-0	Carbon Disulfide	1.3	U R	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6.2	ug/Kg
79-20-9	Methyl Acetate	3.5	U	3.5	6.2	ug/Kg
75-09-2	Methylene Chloride	6.5	U	6.5	12.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6.2	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6.2	ug/Kg
78-93-3	2-Butanone	8.3	U	8.3	31.1	ug/Kg
56-23-5	Carbon Tetrachloride	1	U	1	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6.2	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.2	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6.2	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.2	ug/Kg
71-43-2	Benzene	1	U	1	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.2	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6.2	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.9	U	6.9	31.1	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010345.D	1	Do not use	05/09/19 19:11	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U R	1.8	6.2	ug/Kg
591-78-6	2-Hexanone	9.2	U	9.2	31.1	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.2	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	6.2	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	6.2	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.2	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.4	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.2	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6.2	ug/Kg
75-25-2	Bromoform	4.1	U	4.1	6.2	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.1	U	4.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	71.2	*	56 - 120	142%	SPK: 50
1868-53-7	Dibromofluoromethane	67.8	*	57 - 135	136%	SPK: 50
2037-26-5	Toluene-d8	52.3		67 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		33 - 141	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140304	7.95			
540-36-3	1,4-Difluorobenzene	212391	8.84			
3114-55-4	Chlorobenzene-d5	189411	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	70579	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
002313-65-7	2-Hexanol, 3-methyl- Unknown	6.8	J		4.39	ug/Kg
000106-68-3	3-Octanone	37.6	J N		13.22	ug/Kg
014979-39-6	3-Heptanol, 4-methyl- Unknown	8.4	J		13.29	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010345.D	1	Do not use	05/09/19 19:11	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0002-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	3.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062212.D	1		05/10/19 13:40	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.7	U	1.7	9.6	ug/Kg
74-87-3	Chloromethane	3.4	U J	3.4	9.6	ug/Kg
75-01-4	Vinyl Chloride	2.1	U	2.1	9.6	ug/Kg
74-83-9	Bromomethane	0.73	U J	0.73	9.6	ug/Kg
75-00-3	Chloroethane	1.1	U	1.1	9.6	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	1.2	9.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	9.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.9	U	1.9	9.6	ug/Kg
67-64-1	Acetone	14.7	U	14.7	48	ug/Kg
75-15-0	Carbon Disulfide	2.1	U	2.1	9.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	2.7	9.6	ug/Kg
79-20-9	Methyl Acetate	5.4	U	5.4	9.6	ug/Kg
75-09-2	Methylene Chloride	17.2	J	10	19.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.4	U	2.4	9.6	ug/Kg
75-34-3	1,1-Dichloroethane	1.7	U	1.7	9.6	ug/Kg
110-82-7	Cyclohexane	3.4	U	3.4	9.6	ug/Kg
78-93-3	2-Butanone	12.8	U	12.8	48	ug/Kg
56-23-5	Carbon Tetrachloride	1.6	U	1.6	9.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.9	U	1.9	9.6	ug/Kg
74-97-5	Bromochloromethane	2.3	U	2.3	9.6	ug/Kg
67-66-3	Chloroform	1.7	U	1.7	9.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2	U	2	9.6	ug/Kg
108-87-2	Methylcyclohexane	2.3	U	2.3	9.6	ug/Kg
71-43-2	Benzene	1.6	U	1.6	9.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.3	U	2.3	9.6	ug/Kg
79-01-6	Trichloroethene	1.8	U	1.8	9.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.4	U	2.4	9.6	ug/Kg
75-27-4	Bromodichloromethane	1.9	U	1.9	9.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.7	U	10.7	48	ug/Kg
108-88-3	Toluene	1.9	U	1.9	9.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.9	U	1.9	9.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.1	U	2.1	9.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0002-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	3.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062212.D	1		05/10/19 13:40	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.7	U	2.7	9.6	ug/Kg
591-78-6	2-Hexanone	14.2	U	14.2	48	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	2.5	9.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	2.5	9.6	ug/Kg
127-18-4	Tetrachloroethene	1.3	U	1.3	9.6	ug/Kg
108-90-7	Chlorobenzene	1.5	U	1.5	9.6	ug/Kg
100-41-4	Ethyl Benzene	1.6	U	1.6	9.6	ug/Kg
179601-23-1	m/p-Xylenes	3.2	U	3.2	19.2	ug/Kg
95-47-6	o-Xylene	2.1	U	2.1	9.6	ug/Kg
100-42-5	Styrene	1.9	U	1.9	9.6	ug/Kg
75-25-2	Bromoform	6.3	U	6.3	9.6	ug/Kg
98-82-8	Isopropylbenzene	1.7	U	1.7	9.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	2.1	9.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2	U	2	9.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2	U	2	9.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.4	U	2.4	9.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.4	U	6.4	9.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.1	U	2.1	9.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.4	U J	2.4	9.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		56 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	49		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.1		33 - 141	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	864141	7.05			
540-36-3	1,4-Difluorobenzene	1219500	8.22			
3114-55-4	Chlorobenzene-d5	803817	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	273270	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0002-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	3.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062212.D	1		05/10/19 13:40	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	5.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010346.D	1		05/09/19 19:38	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.4	U	8.4	27.2	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.4	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	10.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	5.4	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.4	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	U	0.9	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.94	U	0.94	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.2	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	5.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010346.D	1		05/09/19 19:38	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27.2	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.4	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.9	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.94	U	0.94	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.4	*	56 - 120	125%	SPK: 50
1868-53-7	Dibromofluoromethane	56.3		57 - 135	113%	SPK: 50
2037-26-5	Toluene-d8	53.1		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1215980	7.95			
540-36-3	1,4-Difluorobenzene	2109700	8.84			
3114-55-4	Chlorobenzene-d5	1788760	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	727607	13.56			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	5.41 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010346.D	1		05/09/19 19:38	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0206-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID:
VD062213.D	1	Do not use	05/10/19 14:08	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U J	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	U J	0.45	6	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	9.2	U	9.2	30	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.4	U	3.4	6	ug/Kg
75-09-2	Methylene Chloride	11	J	6.2	12	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6	ug/Kg
78-93-3	2-Butanone	8	U	8	30	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	6	ug/Kg
67-66-3	Chloroform	1	U	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	30	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0206-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062213.D	1	DO NOT USE	05/10/19 14:08	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	30	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	6	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	6	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	12	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U J	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U J	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U J	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U J	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U J	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U J	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U J	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U J	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		56 - 120	114%	SPK: 50
1868-53-7	Dibromofluoromethane	58.5		57 - 135	117%	SPK: 50
2037-26-5	Toluene-d8	46.7		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.3		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	682645	7.05			
540-36-3	1,4-Difluorobenzene	945933	8.22			
3114-55-4	Chlorobenzene-d5	586338	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	162950	14.51			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0206-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062213.D	1	Do not use	05/10/19 14:08	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	4.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010347.D	1		05/09/19 20:05	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.4	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.4	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.4	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	6.4	ug/Kg
75-00-3	Chloroethane	0.74	U	0.74	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
67-64-1	Acetone	9.9	U	9.9	32.2	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.4	ug/Kg
79-20-9	Methyl Acetate	3.6	U	3.6	6.4	ug/Kg
75-09-2	Methylene Chloride	6.7	U	6.7	12.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.4	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.4	ug/Kg
78-93-3	2-Butanone	8.6	U	8.6	32.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.4	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.4	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.4	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.4	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.4	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.2	U	7.2	32.2	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	4.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010347.D	1		05/09/19 20:05	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U	1.8	6.4	ug/Kg
591-78-6	2-Hexanone	9.5	U	9.5	32.2	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.4	ug/Kg
127-18-4	Tetrachloroethene	0.9	U	0.9	6.4	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.4	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.4	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.9	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.4	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.4	ug/Kg
75-25-2	Bromoform	4.2	U	4.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.3	U	4.3	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.8	*	56 - 120	122%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		57 - 135	111%	SPK: 50
2037-26-5	Toluene-d8	53.6		67 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1265260	7.95			
540-36-3	1,4-Difluorobenzene	2201450	8.84			
3114-55-4	Chlorobenzene-d5	1906030	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	834020	13.56			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	4.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010347.D	1		05/09/19 20:05	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.6
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010348.D	1		05/09/19 20:32	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	5.1	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.1	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.1	ug/Kg
74-83-9	Bromomethane	0.38	U	0.38	5.1	ug/Kg
75-00-3	Chloroethane	0.58	U	0.58	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.1	ug/Kg
67-64-1	Acetone	7.8	U	7.8	25.3	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.1	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5.1	ug/Kg
75-09-2	Methylene Chloride	5.3	U	5.3	10.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.92	U	0.92	5.1	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5.1	ug/Kg
78-93-3	2-Butanone	6.7	U	6.7	25.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	U	0.83	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.1	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.1	ug/Kg
67-66-3	Chloroform	0.87	U	0.87	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.1	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.1	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.1	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.1	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.7	U	5.7	25.3	ug/Kg
108-88-3	Toluene	0.99	U	0.99	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.6
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010348.D	1		05/09/19 20:32	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	5.1	ug/Kg
591-78-6	2-Hexanone	7.5	U	7.5	25.3	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.1	ug/Kg
127-18-4	Tetrachloroethene	0.7	U	0.7	5.1	ug/Kg
108-90-7	Chlorobenzene	0.8	U	0.8	5.1	ug/Kg
100-41-4	Ethyl Benzene	0.86	U	0.86	5.1	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.1	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.1	ug/Kg
100-42-5	Styrene	1	U	1	5.1	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5.1	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.2	*	56 - 120	124%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		57 - 135	113%	SPK: 50
2037-26-5	Toluene-d8	53.2		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		33 - 141	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1020300	7.95			
540-36-3	1,4-Difluorobenzene	1764050	8.84			
3114-55-4	Chlorobenzene-d5	1537220	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	681272	13.56			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.6
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010348.D	1		05/09/19 20:32	VW050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1218-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.6
Sample Wt/Vol:	5.19 Units: g	Final Vol.:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062215.D	1	DO not use	05/10/19 15:04	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.6	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.6	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.9	U	0.9	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	50.4	J+	8.7	28.2	ug/Kg
75-15-0	Carbon Disulfide	1.2	U R	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U R	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.2	U R	3.2	5.6	ug/Kg
75-09-2	Methylene Chloride	13.5	J+	5.9	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U R	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.5	U	7.5	28.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	U	0.93	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.3	U	6.3	28.2	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.6	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1218-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.6
Sample Wt/Vol:	5.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062215.D	1	DO not USE	05/10/19 15:04	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U R	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.3	U	8.3	28.2	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.6	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.96	U	0.96	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.3	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	140	*	56 - 120	275%	SPK: 50
1868-53-7	Dibromofluoromethane	79.5	*	57 - 135	159%	SPK: 50
2037-26-5	Toluene-d8	54.5		67 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		33 - 141	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	127593	7.03			
540-36-3	1,4-Difluorobenzene	220014	8.21			
3114-55-4	Chlorobenzene-d5	210380	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	82756	14.51			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1218-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.6
Sample Wt/Vol:	5.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062215.D	1	Do not use	05/10/19 15:04	VD051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.5
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062277.D	1		05/13/19 00:59	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.89	U	0.89	4.9	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.63	U	0.63	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
67-64-1	Acetone	7.5	U	7.5	24.5	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.5	U	6.5	24.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.82	U	0.82	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.91	U	0.91	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.5	ug/Kg
108-88-3	Toluene	0.96	U	0.96	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.99	U	0.99	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.5
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062277.D	1		05/13/19 00:59	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.2	U	7.2	24.5	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	4.9	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.8	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.97	U	0.97	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.4		56 - 120	119%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		57 - 135	106%	SPK: 50
2037-26-5	Toluene-d8	35.5		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	22.4		33 - 141	45%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	441560	7.07			
540-36-3	1,4-Difluorobenzene	640500	8.24			
3114-55-4	Chlorobenzene-d5	372547	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	104394	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.5
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062277.D	1		05/13/19 00:59	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062237.D	1		05/11/19 15:08	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6.3	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.3	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.3	ug/Kg
74-83-9	Bromomethane	0.48	U	0.48	6.3	ug/Kg
75-00-3	Chloroethane	0.73	U	0.73	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.82	U	0.82	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.3	ug/Kg
67-64-1	Acetone	9.7	U	9.7	31.6	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.3	ug/Kg
79-20-9	Methyl Acetate	3.5	U	3.5	6.3	ug/Kg
75-09-2	Methylene Chloride	6.6	U	6.6	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6.3	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.3	ug/Kg
78-93-3	2-Butanone	8.4	U	8.4	31.6	ug/Kg
56-23-5	Carbon Tetrachloride	1	U	1	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6.3	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.3	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6.3	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.3	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.3	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.3	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.1	U	7.1	31.6	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062237.D	1		05/11/19 15:08	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U	1.8	6.3	ug/Kg
591-78-6	2-Hexanone	9.3	U	9.3	31.6	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.3	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	6.3	ug/Kg
108-90-7	Chlorobenzene	0.99	U	0.99	6.3	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.3	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.6	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.3	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.3	ug/Kg
75-25-2	Bromoform	4.1	U	4.1	6.3	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	UQ	1.3	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.2	U	4.2	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	UQ	1.6	6.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60		56 - 120	120%	SPK: 50
1868-53-7	Dibromofluoromethane	62.5		57 - 135	125%	SPK: 50
2037-26-5	Toluene-d8	38.3		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	16	*	33 - 141	32%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	455424	7.04			
540-36-3	1,4-Difluorobenzene	546543	8.21			
3114-55-4	Chlorobenzene-d5	248055	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	44634	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062237.D	1		05/11/19 15:08	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2718
Lab Sample ID:	K2718-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.3
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010368 D	1	Do not use	05/10/19 20:53	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U R	1.1	6.2	ug/Kg
74-87-3	Chloromethane	2.2	U	2.2	6.2	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.2	ug/Kg
74-83-9	Bromomethane	0.47	U	0.47	6.2	ug/Kg
75-00-3	Chloroethane	0.71	U	0.71	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.8	U	0.8	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.99	U	0.99	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6.2	ug/Kg
67-64-1	Acetone	77.2	J+	9.5	31	ug/Kg
75-15-0	Carbon Disulfide	1.3	U R	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6.2	ug/Kg
79-20-9	Methyl Acetate	3.5	U	3.5	6.2	ug/Kg
75-09-2	Methylene Chloride	16.2	~~B~~ U	6.4	12.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6.2	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6.2	ug/Kg
78-93-3	2-Butanone	8.3	U	8.3	31	ug/Kg
56-23-5	Carbon Tetrachloride	1	U	1	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6.2	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.2	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6.2	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.2	ug/Kg
71-43-2	Benzene	1	U	1	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.2	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6.2	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.9	U	6.9	31	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2718
Lab Sample ID:	K2718-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.3
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010368.D	1	Do not use	05/10/19 20:53	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U R	1.8	6.2	ug/Kg
591-78-6	2-Hexanone	9.1	U	9.1	31	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.2	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	6.2	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	6.2	ug/Kg
100-41-4	Ethyl Benzene	1.7	J J+	1.1	6.2	ug/Kg
179601-23-1	m/p-Xylenes	~~2~~	U R	2	12.4	ug/Kg
95-47-6	o-Xylene	~~1.4~~	U	1.4	6.2	ug/Kg
100-42-5	Styrene	~~1.2~~	U	1.2	6.2	ug/Kg
75-25-2	Bromoform	~~4.1~~	U	4.1	6.2	ug/Kg
98-82-8	Isopropylbenzene	2	J J+	1.1	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U R	1.3	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.1	U	4.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.1		56 - 120	116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.4		57 - 135	113%	SPK: 50
2037-26-5	Toluene-d8	27	*	67 - 123	54%	SPK: 50
460-00-4	4-Bromofluorobenzene	10.4	*	33 - 141	21%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104571	7.95			
540-36-3	1,4-Difluorobenzene	159329	8.84			
3114-55-4	Chlorobenzene-d5	87582	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	10794	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
60-29-7	Diethyl Ether	9.1	J		3.69	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2718
Lab Sample ID:	K2718-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.3
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010368.D	1	DO NOT USE	05/10/19 20:53	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-02RE	SDG No.:	K2718
Lab Sample ID:	K2718-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.3
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062240.D	1		05/11/19 16:31	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	6	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	17.5	~~J~~ J+	9.1	29.8	ug/Kg
75-15-0	Carbon Disulfide	1.3	U J	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	6	ug/Kg
75-09-2	Methylene Chloride	6.9	~~J~~ J+	6.2	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U J	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U J	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.1	U J	2.1	6	ug/Kg
78-93-3	2-Butanone	7.9	U J	7.9	29.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U R	0.98	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U J	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U J	1.4	6	ug/Kg
67-66-3	Chloroform	1	U J	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U J	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U R	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	29.8	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-02RE	SDG No.:	K2718
Lab Sample ID:	K2718-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.3
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062240.D	1		05/11/19 16:31	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U R	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	29.8	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	6	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	6	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	6	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.9	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	UQ	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	UQ	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	82.7	*	56 - 120	165%	SPK: 50
1868-53-7	Dibromofluoromethane	70.1	*	57 - 135	140%	SPK: 50
2037-26-5	Toluene-d8	38.8		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.6		33 - 141	33%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176007	7.04	< 50%		
540-36-3	1,4-Difluorobenzene	230109	8.22			
3114-55-4	Chlorobenzene-d5	102409	12.36	< 20%		
3855-82-1	1,4-Dichlorobenzene-d4	21094	14.51			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0002-02RE	SDG No.:	K2718
Lab Sample ID:	K2718-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.3
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062240.D	1		05/11/19 16:31	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0206-01	SDG No:	K2718
Lab Sample ID:	K2718-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9
Sample Wt/Vol:	5.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010369.D	1		05/10/19 21:21	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	5.2	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.2	ug/Kg
74-83-9	Bromomethane	0.4	U	0.4	5.2	ug/Kg
75-00-3	Chloroethane	0.6	U	0.6	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.68	U	0.68	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	9.7	~~J~~ J	8.1	26.2	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.2	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.2	ug/Kg
75-09-2	Methylene Chloride	13.2	~~B~~ U	5.4	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.95	U	0.95	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	7	U	7	26.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.2	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.88	U	0.88	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.2	ug/Kg
79-01-6	Trichloroethene	0.98	U	0.98	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.9	U	5.9	26.2	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9
Sample Wt/Vol:	5.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010369.D	1		05/10/19 21:21	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.7	U	7.7	26.2	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	5.2	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.89	U	0.89	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.5	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.2	ug/Kg
100-42-5	Styrene	1	U	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.91	U	0.91	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	76	*	56 - 120	152%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		57 - 135	115%	SPK: 50
2037-26-5	Toluene-d8	37.8		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.2		33 - 141	56%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	805664	7.95			
540-36-3	1,4-Difluorobenzene	1564590	8.84			
3114-55-4	Chlorobenzene-d5	1230800	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	375195	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
60-29-7	Diethyl Ether	4.2	J		3.67	ug/Kg
000110-54-3	n-Hexane	5.8	J		5.93	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0206-01	SDG No:	K2718
Lab Sample ID:	K2718-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9
Sample Wt/Vol:	5.24 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010369.D	1		05/10/19 21:21	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0206-01RE	SDG No:	K2718
Lab Sample ID:	K2718-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9
Sample Wt/Vol:	5.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062241.D	1	DO not use	05/11/19 16:59	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.89	U	0.89	4.9	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U J	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.63	U	0.63	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
67-64-1	Acetone	7.5	U	7.5	24.4	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.5	U	6.5	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.96	U	0.96	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.82	U	0.82	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.91	U	0.91	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.4	ug/Kg
108-88-3	Toluene	0.95	U	0.95	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.98	U	0.98	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0206-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9
Sample Wt/Vol:	5.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062241.D	1	DO not use	05/11/19 16:59	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.2	U	7.2	24.4	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	4.9	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.9	ug/Kg
100-41-4	Ethyl Benzene	1.2	J	0.83	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.8	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	1.5	J	0.97	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	UQ	1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UQ	1.2	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.7	*	56 - 120	121%	SPK: 50
1868-53-7	Dibromofluoromethane	56		57 - 135	112%	SPK: 50
2037-26-5	Toluene-d8	43.2		67 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.4		33 - 141	55%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	607698	7.04			
540-36-3	1,4-Difluorobenzene	824533	8.22			
3114-55-4	Chlorobenzene-d5	523456	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	153688	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0206-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9
Sample Wt/Vol:	5.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062241.D	1	Do not use	05/11/19 16:59	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.5
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062242.D	1		05/11/19 17:26	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.89	U	0.89	4.9	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	UJ	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.63	U	0.63	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
67-64-1	Acetone	7.5	U	7.5	24.5	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.5	U	6.5	24.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.82	U	0.82	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.91	U	0.91	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.5	ug/Kg
108-88-3	Toluene	0.96	U	0.96	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.99	U	0.99	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.5
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062242.D	1		05/11/19 17:26	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.2	U	7.2	24.5	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	4.9	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.8	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.97	U	0.97	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	UQ	1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UQ	1.2	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		56 - 120	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		57 - 135	107%	SPK: 50
2037-26-5	Toluene-d8	46.3		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		33 - 141	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	645529	7.04			
540-36-3	1,4-Difluorobenzene	937615	8.22			
3114-55-4	Chlorobenzene-d5	710293	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	313485	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.5
Sample Wt/Vol:	5.46 Units: g	Final Vol.:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062242.D	1		05/11/19 17:26	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.03 Units: g	Final Vol.:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062243.D	1		05/11/19 17:54	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	4.6	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	UJ	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.74	U	0.74	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
67-64-1	Acetone	7.1	U	7.1	23	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	4.6	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.6	ug/Kg
78-93-3	2-Butanone	6.1	U	6.1	23	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.8	U	0.8	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.92	U	0.92	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23	ug/Kg
108-88-3	Toluene	0.9	U	0.9	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.99	U	0.99	4.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062243.D	1		05/11/19 17:54	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.8	U	6.8	23	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.64	U	0.64	4.6	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.79	U	0.79	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.2	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.91	U	0.91	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.8	U	0.8	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.98	UØ	0.98	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.97	U	0.97	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UØ	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		56 - 120	115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		57 - 135	105%	SPK: 50
2037-26-5	Toluene-d8	44.1		67 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.1		33 - 141	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	645217	7.04			
540-36-3	1,4-Difluorobenzene	948652	8.22			
3114-55-4	Chlorobenzene-d5	691261	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	261338	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062243.D	1		05/11/19 17:54	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.1
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010373.D	1		05/10/19 23:15	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.81	U	0.81	4.5	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.5	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	4.5	ug/Kg
74-83-9	Bromomethane	0.34	U	0.34	4.5	ug/Kg
75-00-3	Chloroethane	0.51	U	0.51	4.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.58	U	0.58	4.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	4.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
67-64-1	Acetone	6.9	U	6.9	22.4	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	2.5	4.5	ug/Kg
75-09-2	Methylene Chloride	4.6	U	4.6	8.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	4.5	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.5	ug/Kg
78-93-3	2-Butanone	6	U	6	22.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	4.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	4.5	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.5	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	4.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	4.5	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.5	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.5	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	4.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.5	ug/Kg
75-27-4	Bromodichloromethane	0.89	U	0.89	4.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5	U	5	22.4	ug/Kg
108-88-3	Toluene	0.87	U	0.87	4.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.9	U	0.9	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.96	U	0.96	4.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.1
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010373.D	1		05/10/19 23:15	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.5	ug/Kg
591-78-6	2-Hexanone	6.6	U	6.6	22.4	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.5	ug/Kg
127-18-4	Tetrachloroethene	0.62	U	0.62	4.5	ug/Kg
108-90-7	Chlorobenzene	0.7	U	0.7	4.5	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	4.5	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	8.9	ug/Kg
95-47-6	o-Xylene	0.98	U	0.98	4.5	ug/Kg
100-42-5	Styrene	0.89	U	0.89	4.5	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.5	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	4.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.95	U	0.95	4.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	4.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.99	U	0.99	4.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	68	*	56 - 120	136%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		57 - 135	110%	SPK: 50
2037-26-5	Toluene-d8	36.5		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.6		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	785399	7.95			
540-36-3	1,4-Difluorobenzene	1465150	8.84			
3114-55-4	Chlorobenzene-d5	1134520	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	357031	13.56			

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.1
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010373.D	1		05/10/19 23:15	VW051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1824-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.1
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062244.D	1	DO not use	05/11/19 18:22	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	4.6	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	U J	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	U	0.6	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.74	U	0.74	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	4.6	ug/Kg
67-64-1	Acetone	7.1	U	7.1	23.2	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	4.6	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.6	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.8	U	0.8	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.78	U	0.78	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.92	U	0.92	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.2	ug/Kg
108-88-3	Toluene	0.9	U	0.9	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.99	U	0.99	4.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1824-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.1
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062244.D	1	Do not use	05/11/19 18:22	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.8	U	6.8	23.2	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.64	U	0.64	4.6	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.79	U	0.79	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.3	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.92	U	0.92	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.8	U	0.8	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.99	UQ	0.99	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.98	U	0.98	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UQ	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.2		56 - 120	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	43.4		67 - 123	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.8		33 - 141	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	582916	7.05			
540-36-3	1,4-Difluorobenzene	842634	8.22			
3114-55-4	Chlorobenzene-d5	573365	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	206901	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS006-1824-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.1
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062244.D	1	DO not USC	05/11/19 18:22	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.7
Sample Wt/Vol:	5.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN055576.D	1		05/13/19 14:17	VN051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	620	ug/Kg
74-87-3	Chloromethane	220	U	220	620	ug/Kg
75-01-4	Vinyl Chloride	140	U	140	620	ug/Kg
74-83-9	Bromomethane	47.1	U	47.1	620	ug/Kg
75-00-3	Chloroethane	71.6	U	71.6	620	ug/Kg
75-69-4	Trichlorofluoromethane	80.4	U	80.4	620	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	99.7	U	99.7	620	ug/Kg
75-35-4	1,1-Dichloroethene	120	U	120	620	ug/Kg
67-64-1	Acetone	960	U	960	3100	ug/Kg
75-15-0	Carbon Disulfide	130	U	130	620	ug/Kg
1634-04-4	Methyl tert-butyl Ether	170	U	170	620	ug/Kg
79-20-9	Methyl Acetate	350	U	350	620	ug/Kg
75-09-2	Methylene Chloride	650	U	650	1200	ug/Kg
156-60-5	trans-1,2-Dichloroethene	160	U	160	620	ug/Kg
75-34-3	1,1-Dichloroethane	110	U	110	620	ug/Kg
110-82-7	Cyclohexane	630		220	620	ug/Kg
78-93-3	2-Butanone	830	U	830	3100	ug/Kg
56-23-5	Carbon Tetrachloride	100	U	100	620	ug/Kg
156-59-2	cis-1,2-Dichloroethene	120	U	120	620	ug/Kg
74-97-5	Bromochloromethane	150	U	150	620	ug/Kg
67-66-3	Chloroform	110	U	110	620	ug/Kg
71-55-6	1,1,1-Trichloroethane	130	U	130	620	ug/Kg
108-87-2	Methylcyclohexane	1900		150	620	ug/Kg
71-43-2	Benzene	100	U	100	620	ug/Kg
107-06-2	1,2-Dichloroethane	150	U	150	620	ug/Kg
79-01-6	Trichloroethene	120	U	120	620	ug/Kg
78-87-5	1,2-Dichloropropane	160	U	160	620	ug/Kg
75-27-4	Bromodichloromethane	120	U	120	620	ug/Kg
108-10-1	4-Methyl-2-Pentanone	700	U	700	3100	ug/Kg
108-88-3	Toluene	160	J	120	620	ug/Kg
10061-02-6	t-1,3-Dichloropropene	130	U	130	620	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	130	U	130	620	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.7
Sample Wt/Vol:	5.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN055576.D	1		05/13/19 14:17	VN051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	180	U	180	620	ug/Kg
591-78-6	2-Hexanone	920	U	920	3100	ug/Kg
124-48-1	Dibromochloromethane	160	U	160	620	ug/Kg
106-93-4	1,2-Dibromoethane	160	U	160	620	ug/Kg
127-18-4	Tetrachloroethene	86.5	U	86.5	620	ug/Kg
108-90-7	Chlorobenzene	98	U	98	620	ug/Kg
100-41-4	Ethyl Benzene	140	J	110	620	ug/Kg
179601-23-1	m/p-Xylenes	970	J	210	1200	ug/Kg
95-47-6	o-Xylene	780		140	620	ug/Kg
100-42-5	Styrene	120	U	120	620	ug/Kg
75-25-2	Bromoform	410	U	410	620	ug/Kg
98-82-8	Isopropylbenzene	110	U	110	620	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	620	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	620	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	620	ug/Kg
95-50-1	1,2-Dichlorobenzene	160	U	160	620	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	410	U	410	620	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	140	U	140	620	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	160	U	160	620	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		57 - 135	92%	SPK: 50
2037-26-5	Toluene-d8	48.9		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		33 - 141	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	825616	7.66			
540-36-3	1,4-Difluorobenzene	1389250	8.58			
3114-55-4	Chlorobenzene-d5	1196560	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	529271	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						
000078-78-4	Butane, 2-methyl-	1700	J N		2.75	ug/Kg
000107-83-5	Pentane, 2-methyl-	1100	J N		4.57	ug/Kg
000096-37-7	Cyclopentane, methyl-	1400	J N		6.62	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.7
Sample Wt/Vol:	5.13 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN055576.D	1		05/13/19 14:17	VN051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	500	J		13.04	ug/Kg
~~000829-26-5~~	~~Naphthalene,-2,3,6-trimethyl-~~ unknown	2300	J		14.6	ug/Kg
91-20-3	Naphthalene	1600	J		15.13	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.2
Sample Wt/Vol:	5.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062300.D	1		05/13/19 13:08	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	UQ	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	UQ	0.73	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.7	U	8.7	28.4	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	UQ	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	UQ	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.2
Sample Wt/Vol:	5.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062300.D	1		05/13/19 13:08	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.4	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.4		56 - 120	75%	SPK: 50
1868-53-7	Dibromofluoromethane	40.4		57 - 135	81%	SPK: 50
2037-26-5	Toluene-d8	34.2		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.9		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	759443	7.07			
540-36-3	1,4-Difluorobenzene	1001260	8.24			
3114-55-4	Chlorobenzene-d5	723504	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	267156	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2718
Lab Sample ID:	K2718-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.2
Sample Wt/Vol:	5.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062300.D	1		05/13/19 13:08	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062301.D	1		05/13/19 13:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U J	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	UQ J	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	UQ J	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	71.6		8.7	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U J	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U J	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U J	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U J	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	UQ J	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	UQ	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19
Sample Wt/Vol:	5.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062301.D	1		05/13/19 13:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.6		56 - 120	79%	SPK: 50
1868-53-7	Dibromofluoromethane	38.9		57 - 135	78%	SPK: 50
2037-26-5	Toluene-d8	36.9		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.5		33 - 141	69%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	672350	7.06			
540-36-3	1,4-Difluorobenzene	886504	8.23			
3114-55-4	Chlorobenzene-d5	648519	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	273247	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2718
Lab Sample ID:	K2718-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19
Sample Wt/Vol:	5.42 Units: g	Final Vol.:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062301.D	1		05/13/19 13:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062286.D	1		05/13/19 05:08	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	9	U	9	29.5	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.1	U	6.1	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.99	U	0.99	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062286.D	1		05/13/19 05:08	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U R	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.8	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	180	*	56 - 120	360%	SPK: 50
1868-53-7	Dibromofluoromethane	120	*	57 - 135	240%	SPK: 50
2037-26-5	Toluene-d8	25.6	*	67 - 123	51%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.9		33 - 141	34%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	95940	7.06			
540-36-3	1,4-Difluorobenzene	149552	8.24			
3114-55-4	Chlorobenzene-d5	67707	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	17809	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2718
Lab Sample ID:	K2718-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062286.D	1		05/13/19 05:08	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1218-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062302.D	1	DO not use	05/13/19 14:03	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.6	ug/Kg
74-83-9	Bromomethane	0.42	UØ	0.42	5.6	ug/Kg
75-00-3	Chloroethane	0.64	U	0.64	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	UØ	0.72	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.9	U	0.9	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	8.6	U	8.6	28	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.6	ug/Kg
75-09-2	Methylene Chloride	5.8	U	5.8	11.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.5	U	7.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.94	U	0.94	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	UØ	1.3	5.6	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	UØ	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.3	U	6.3	28	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1218-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062302.D	1	Do not use	05/13/19 14:03	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U R	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.2	U	8.2	28	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.6	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11.2	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	100	*	56 - 120	205%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	37.3		67 - 123	75%	SPK: 50
460-00-4	4-Bromofluorobenzene	49		33 - 141	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	52745	7.07			
540-36-3	1,4-Difluorobenzene	99812	8.23			
3114-55-4	Chlorobenzene-d5	105972	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	56240	14.52			

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1218-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062302.D	1	Do not use	05/13/19 14:03	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010406.D	1		05/12/19 14:15	VW051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.89	U R	0.89	4.9	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.63	U	0.63	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
67-64-1	Acetone	7.5	U	7.5	24.5	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.5	U	6.5	24.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U J	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.97	U R	0.97	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U J	1.2	4.9	ug/Kg
71-43-2	Benzene	0.82	U	0.82	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.5	ug/Kg
108-88-3	Toluene	0.96	U	0.96	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.99	U	0.99	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VW010406.D	1		05/12/19 14:15	VW051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.2	U	7.2	24.5	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	4.9	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.8	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.97	U	0.97	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.85	U R	0.85	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	150	*	56 - 120	297%	SPK: 50
1868-53-7	Dibromofluoromethane	88.1	*	57 - 135	176%	SPK: 50
2037-26-5	Toluene-d8	26.4	*	67 - 123	53%	SPK: 50
460-00-4	4-Bromofluorobenzene	20.4		33 - 141	41%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251777	7.95			
540-36-3	1,4-Difluorobenzene	565153	8.84			
3114-55-4	Chlorobenzene-d5	391120	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	95592	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown15.51	5	J		15.51	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2718
Lab Sample ID:	K2718-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010406.D	1		05/12/19 14:15	VW051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1824-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062303.D	1	DO NOT USE	05/13/19 14:31	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U R	0.86	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.7	ug/Kg
74-83-9	Bromomethane	0.36	UØ	0.36	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	UØ	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.7	ug/Kg
67-64-1	Acetone	7.3	U	7.3	23.6	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	UØ	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.94	UØ	0.94	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.6	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.95	U	0.95	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1824-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062303.D	1	Do not use	05/13/19 14:31	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U R	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.6	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.94	U	0.94	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	76	*	56 - 120	152%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	36.1		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	40		33 - 141	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60950	7.06			
540-36-3	1,4-Difluorobenzene	91481	8.23			
3114-55-4	Chlorobenzene-d5	80217	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	39758	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS007-1824-01RE	SDG No.:	K2718
Lab Sample ID:	K2718-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	6.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062303.D	1	Do not use	05/13/19 14:31	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	50.7
Sample Wt/Vol:	3.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010407.D	1		05/12/19 14:42	VW051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.5	U J	2.5	13.9	ug/Kg
74-87-3	Chloromethane	5	U	5	13.9	ug/Kg
75-01-4	Vinyl Chloride	3.1	U	3.1	13.9	ug/Kg
74-83-9	Bromomethane	1.1	U	1.1	13.9	ug/Kg
75-00-3	Chloroethane	1.6	U	1.6	13.9	ug/Kg
75-69-4	Trichlorofluoromethane	1.8	U	1.8	13.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.2	U	2.2	13.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.8	U	2.8	13.9	ug/Kg
67-64-1	Acetone	8400	EB J+	21.3	69.5	ug/Kg
75-15-0	Carbon Disulfide	3	U J	3	13.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.9	U J	3.9	13.9	ug/Kg
79-20-9	Methyl Acetate	110	J+	7.8	13.9	ug/Kg
75-09-2	Methylene Chloride	14.8	J J+	14.4	27.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.5	U J	3.5	13.9	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U J	2.5	13.9	ug/Kg
110-82-7	Cyclohexane	5	U J	5	13.9	ug/Kg
78-93-3	2-Butanone	490	J+	18.5	69.5	ug/Kg
56-23-5	Carbon Tetrachloride	2.3	U J	2.3	13.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.7	U	2.7	13.9	ug/Kg
74-97-5	Bromochloromethane	3.3	U	3.3	13.9	ug/Kg
67-66-3	Chloroform	2.4	U	2.4	13.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	2.9	13.9	ug/Kg
108-87-2	Methylcyclohexane	3.3	U	3.3	13.9	ug/Kg
71-43-2	Benzene	2.3	U	2.3	13.9	ug/Kg
107-06-2	1,2-Dichloroethane	3.3	U	3.3	13.9	ug/Kg
79-01-6	Trichloroethene	2.6	U	2.6	13.9	ug/Kg
78-87-5	1,2-Dichloropropane	3.5	U	3.5	13.9	ug/Kg
75-27-4	Bromodichloromethane	2.8	U	2.8	13.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.5	U	15.5	69.5	ug/Kg
108-88-3	Toluene	3.4	J J+	2.7	13.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.8	U J	2.8	13.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3	U J	3	13.9	ug/Kg

* Value estimated from the Med-level Concentration.

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	50.7
Sample Wt/Vol:	3.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010407.D	1		05/12/19 14:42	VW051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4	U J	4	13.9	ug/Kg
591-78-6	2-Hexanone	20.5	U J	20.5	69.5	ug/Kg
124-48-1	Dibromochloromethane	3.6	U J	3.6	13.9	ug/Kg
106-93-4	1,2-Dibromoethane	3.6	U J	3.6	13.9	ug/Kg
127-18-4	Tetrachloroethene * 180	~~1.94~~	U	1.9	13.9	ug/Kg
108-90-7	Chlorobenzene * 200	~~2.2~~	U	2.2	13.9	ug/Kg
100-41-4	Ethyl Benzene * 220	~~2.4~~	U	2.4	13.9	ug/Kg
179601-23-1	m/p-Xylenes * 430	~~4.6~~	U	4.6	27.8	ug/Kg
95-47-6	o-Xylene * 280	~~3~~	U	3	13.9	ug/Kg
100-42-5	Styrene * 260	~~2.8~~	U	2.8	13.9	ug/Kg
75-25-2	Bromoform * 850	~~9.1~~	U	9.1	13.9	ug/Kg
98-82-8	Isopropylbenzene * 220	~~2.4~~	U	2.4	13.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane * 280	~~3~~	U	3	13.9	ug/Kg
541-73-1	1,3-Dichlorobenzene * 280	~~3~~	U	3	13.9	ug/Kg
106-46-7	1,4-Dichlorobenzene * 270	~~2.9~~	U	2.9	13.9	ug/Kg
95-50-1	1,2-Dichlorobenzene * 330	~~3.5~~	U	3.5	13.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane * 860	~~9.2~~	U	9.2	13.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene * 290	~~3.1~~	U	3.1	13.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene * 330	~~3.5~~	U	3.5	13.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	100	*	56 - 120	206%	SPK: 50
1868-53-7	Dibromofluoromethane	74.7	*	57 - 135	149%	SPK: 50
2037-26-5	Toluene-d8	23.7	*	67 - 123	47%	SPK: 50
460-00-4	4-Bromofluorobenzene	17.4		33 - 141	35%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337116	7.95			
540-36-3	1,4-Difluorobenzene	594899	8.84			
3114-55-4	Chlorobenzene-d5	339340	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	88756	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene unknown	85.3	J N		1.95	ug/Kg
000074-93-1	Methanethiol unknown	20.1	J N		2.65	ug/Kg
000109-66-0	Pentane unknown	14.6	J		3.39	ug/Kg

* Results were reported from med. level concentrations.

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2718
Lab Sample ID:	K2718-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	50.7
Sample Wt/Vol:	3.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010407.D	1		05/12/19 14:42	VW051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000075-18-3	Dimethyl sulfide	420	J N		4.2	ug/Kg
67-63-0	Isopropyl Alcohol unknown	47.1	J		4.39	ug/Kg
75-65-0	Tert butyl alcohol	160	J N		5.18	ug/Kg
000107-87-9	2-Pentanone unknown	16.1	J		9.29	ug/Kg
000624-92-0	Disulfide, dimethyl unknown	30.4	J N		10.13	ug/Kg
015303-46-5	2-Isopropyl-5-oxohexanal unknown	19.8	J		12.94	ug/Kg
003658-80-8	Dimethyl trisulfide unknown	26.3	J N		13.21	ug/Kg
	unknown15.50	55.8	J		15.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0002-01ME	SDG No.:	K2718
Lab Sample ID:	K2718-21ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	50.7
Sample Wt/Vol:	3.91 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	MED

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VN055570.D	1	DO NOT USE	05/13/19 11:13	VN051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	240	UD	240	1300	ug/Kg
74-87-3	Chloromethane	460	UD	460	1300	ug/Kg
75-01-4	Vinyl Chloride	290	UD	290	1300	ug/Kg
74-83-9	Bromomethane	98.1	UD	98.1	1300	ug/Kg
75-00-3	Chloroethane	150	UD	150	1300	ug/Kg
75-69-4	Trichlorofluoromethane	170	UD	170	1300	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	210	UD	210	1300	ug/Kg
75-35-4	1,1-Dichloroethene	260	UD	260	1300	ug/Kg
67-64-1	Acetone	2000	UD	2000	6500	ug/Kg
75-15-0	Carbon Disulfide	280	UD	280	1300	ug/Kg
1634-04-4	Methyl tert-butyl Ether	360	UD	360	1300	ug/Kg
79-20-9	Methyl Acetate	970	JD	730	1300	ug/Kg
75-09-2	Methylene Chloride	1300	UD	1300	2600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	330	UD	330	1300	ug/Kg
75-34-3	1,1-Dichloroethane	240	UD	240	1300	ug/Kg
110-82-7	Cyclohexane	470	UD	470	1300	ug/Kg
78-93-3	2-Butanone	1700	UD	1700	6500	ug/Kg
56-23-5	Carbon Tetrachloride	210	UD	210	1300	ug/Kg
156-59-2	cis-1,2-Dichloroethene	260	UD	260	1300	ug/Kg
74-97-5	Bromochloromethane	310	UD	310	1300	ug/Kg
67-66-3	Chloroform	220	UD	220	1300	ug/Kg
71-55-6	1,1,1-Trichloroethane	270	UD	270	1300	ug/Kg
108-87-2	Methylcyclohexane	310	UD	310	1300	ug/Kg
71-43-2	Benzene	220	UD	220	1300	ug/Kg
107-06-2	1,2-Dichloroethane	310	UD	310	1300	ug/Kg
79-01-6	Trichloroethene	240	UD	240	1300	ug/Kg
78-87-5	1,2-Dichloropropane	320	UD	320	1300	ug/Kg
75-27-4	Bromodichloromethane	260	UD	260	1300	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1500	UD	1500	6500	ug/Kg
108-88-3	Toluene	250	UD	250	1300	ug/Kg
10061-02-6	t-1,3-Dichloropropene	260	UD	260	1300	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	280	UD	280	1300	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0002-01ME	SDG No.:	K2718
Lab Sample ID:	K2718-21ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	50.7
Sample Wt/Vol:	3.91 Units g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN055570.D	1	DO not use	05/13/19 11:13	VN051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	370	UD	370	1300	ug/Kg
591-78-6	2-Hexanone	1900	UD	1900	6500	ug/Kg
124-48-1	Dibromochloromethane	340	UD	340	1300	ug/Kg
106-93-4	1,2-Dibromoethane	340	UD	340	1300	ug/Kg
127-18-4	Tetrachloroethene	180	UD	180	1300	ug/Kg
108-90-7	Chlorobenzene	200	UD	200	1300	ug/Kg
100-41-4	Ethyl Benzene	220	UD	220	1300	ug/Kg
179601-23-1	m/p-Xylenes	430	UD	430	2600	ug/Kg
95-47-6	o-Xylene	280	UD	280	1300	ug/Kg
100-42-5	Styrene	260	UD	260	1300	ug/Kg
75-25-2	Bromoform	850	UD	850	1300	ug/Kg
98-82-8	Isopropylbenzene	220	UD	220	1300	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	280	UD	280	1300	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	UD	280	1300	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	UD	270	1300	ug/Kg
95-50-1	1,2-Dichlorobenzene	330	UD	330	1300	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	860	UD	860	1300	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	290	UD	290	1300	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	330	UD	330	1300	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.3		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	48.6		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	762733	7.66			
540-36-3	1,4-Difluorobenzene	1276090	8.59			
3114-55-4	Chlorobenzene-d5	1070480	11.41			
3855-82-1	1,4-Dichlorobenzene-d4	376282	13.34			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0002-01ME	SDG No.:	K2718
Lab Sample ID:	K2718-21ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	50.7
Sample Wt/Vol:	3.91 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	MED

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN055570.D	1		05/13/19 11:13	VN051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2718	**OrderDate:**	5/7/2019 12:24:00 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2718-01	P026-SS004-1218-01	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/09/19	
K2718-02	P026-SS004-1824-01	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/09/19	
K2718-03	P026-SS005-0002-01	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/09/19	
K2718-03RE	P026-SS005-0002-01RE	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/10/19	
K2718-04	P026-SS005-0206-01	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/09/19	
K2718-04RE	P026-SS005-0206-01RE	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/10/19	
K2718-05	P026-SS005-0612-01	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/09/19	
K2718-06	P026-SS005-1218-01	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/09/19	
K2718-06RE	P026-SS005-1218-01RE	SOIL			05/06/19			05/07/19
			VOC-TCLVOA-10	8260C			05/10/19	

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K2718-07	**P026-SS005-1824-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/13/19	
K2718-08	**P026-SS006-0002-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2718-11	**P026-SS006-0002-02**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/10/19	
K2718-11RE	**P026-SS006-0002-02RE**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2718-12	**P026-SS006-0206-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/10/19	
K2718-12RE	**P026-SS006-0206-01RE**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2718-13	**P026-SS006-0612-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2718-14	**P026-SS006-1218-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2718-15	**P026-SS006-1824-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/10/19	
K2718-15RE	**P026-SS006-1824-01RE**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/11/19	
K2718-16	**P026-SS007-0002-01**	**SOIL**			**05/06/19**		**05/07/19**
			VOC-TCLVOA-10	8260C		05/13/19	
K2718-17	**P026-SS007-0206-01**	**SOIL**			**05/06/19**		**05/07/19**

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LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/13/19	
K2718-18	P026-SS007-0612-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2718-19	P026-SS007-1218-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2718-19RE	P026-SS007-1218-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2718-20	P026-SS007-1824-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2718-20RE	P026-SS007-1824-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2718-21	P026-SS008-0002-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2718-21ME	P026-SS008-0002-01ME	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	

SHIPPING DOCUMENTS

K2718

5

5.1

USEPA

DateShipped: 5/6/2019

CarrierName: FedEx

AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD

Site #: 528

Contact Name: Michael Lang

Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001

Cooler #: 2

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS004-1218-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:41	3	Encore	4 C	N
	P026-SS004-1218-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:41	1	4 oz glass w/ septum	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	TCL VOCs (Solid)	5/6/2019	13:48	3	Encore	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:48	1	4 oz glass w/ septum	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	13:53	3	Encore	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	13:53	1	4 oz glass w/ septum	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:01	3	Encore	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:01	1	4 oz glass w/ septum	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:08	3	Encore	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:08	1	4 oz glass w/ septum	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:15	3	Encore	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:15	1	4 oz glass w/ septum	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:22	3	Encore	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:22	1	4 oz glass w/ septum	4 C	N
	P026-SS006-0002-01	P026-SS005	Soil	TCL VOCs (Solid)	5/6/2019	14:34	9	Encore	4 C	Y
	P026-SS006-0002-01	P026-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:34	2	4 oz glass w/ septum	4 C	Y
	P026-SS006-0002-02	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:34	3	Encore	4 C	N
	P026-SS006-0002-02	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:34	1	4 oz glass w/ septum	4 C	N
	P026-SS006-0206-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:40	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Weston CSTS	5/6/2019 1908		5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

K2718

5

5.1

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS006-0206-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:40	1	4 oz glass w/ septum	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:44	3	Encore	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:44	1	4 oz glass w/ septum	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:50	3	Encore	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:50	1	4 oz glass w/ septum	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL VOCs (Solid)	5/6/2019	14:57	3	Encore	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	14:57	1	4 oz glass w/ septum	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:04	3	Encore	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:04	1	4 oz glass w/ septum	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:09	3	Encore	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:09	1	4 oz glass w/ septum	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:16	3	Encore	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:16	1	4 oz glass w/ septum	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:19	3	Encore	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:19	1	4 oz glass w/ septum	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL VOCs (Solid)	5/6/2019	15:25	3	Encore	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:25	1	4 oz glass w/ septum	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:31	3	Encore	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:31	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samps All Analyses	WEPm RSFB	5/6/2019 1900		5-7-19 1005	4.6°C / IR GUN #1
					5.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

K2718

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page 1 of 1
Received By (Print Name) George Nyakwi		Log-in Date 5/7/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS004-1218-01	MA No. N/A

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No	7751-4863-4890
6. Sample Tags Sample Tag #	Absent Not Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	4.6, 5.3 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/07/2019
12. Time Received	10:05

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS004-1218	n/a	K2718-01	Intact
2	P026-SS004-1824	n/a	K2718-02	Intact
3	P026-SS005-0002	n/a	K2718-03	Intact
4	P026-SS005-0206	n/a	K2718-04	Intact
5	P026-SS005-0612	n/a	K2718-05	Intact
6	P026-SS005-1218	n/a	K2718-06	Intact
7	P026-SS005-1824	n/a	K2718-07	Intact
8	P026-SS006-0002	n/a	K2718-08	Intact
9	K2718-08MS	n/a	K2718-09	Intact
10	K2718-08MSD	n/a	K2718-10	Intact
11	P026-SS006-0002	n/a	K2718-11	Intact
12	P026-SS006-0206	n/a	K2718-12	Intact
13	P026-SS006-0612	n/a	K2718-13	Intact
14	P026-SS006-1218	n/a	K2718-14	Intact
15	P026-SS006-1824	n/a	K2718-15	Intact
16	P026-SS007-0002	n/a	K2718-16	Intact
17	P026-SS007-0206	n/a	K2718-17	Intact
18	P026-SS007-0612	n/a	K2718-18	Intact
19	P026-SS007-1218	n/a	K2718-19	Intact
20	P026-SS007-1824	n/a	K2718-20	Intact
21	P026-SS008-0002	n/a	K2718-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	Logbook No.
Date 5/7/19	Logbook Page No.

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 20/Soils, 1/Aqueous (Rinsate Blank)

Lab Order No.: K2719

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: [signature] **Date:** 6/7/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 20 soil samples, including one field duplicate, and one rinsate blank sample for TCL VOC analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample coolers' temperatures measured 4.6 and 5.3 Degrees Celsius (°C) respectively.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2719				
P026-SS008-0206-01	K2719-01	Soil	TCL VOCs	5/06/2019
P026-SS008-0206-02[1]	K2719-04	Soil	TCL VOCs	5/06/2019
P026-SS008-0612-01	K2719-05	Soil	TCL VOCs	5/06/2019
P026-SS008-1218-01	K2719-06	Soil	TCL VOCs	5/06/2019
P026-SS008-1824-01	K2719-07	Soil	TCL VOCs	5/06/2019
P026-SS009-0002-01	K2719-08	Soil	TCL VOCs	5/06/2019
P026-SS009-0206-01	K2719-09	Soil	TCL VOCs	5/06/2019
P026-SS009-0612-01	K2719-10	Soil	TCL VOCs	5/06/2019
P026-SS009-1218-01	K2719-11	Soil	TCL VOCs	5/06/2019
P026-SS009-1824-01	K2719-12	Soil	TCL VOCs	5/06/2019
P026-SS010-0002-01	K2719-13	Soil	TCL VOCs	5/06/2019
P026-SS010-0206-01	K2719-14	Soil	TCL VOCs	5/06/2019
P026-SS010-0612-01	K2719-15	Soil	TCL VOCs	5/06/2019
P026-SS010-1218-01	K2719-16	Soil	TCL VOCs	5/06/2019
P026-SS010-1824-01	K2719-17	Soil	TCL VOCs	5/06/2019
P026-SS011-0002-01	K2719-18	Soil	TCL VOCs	5/06/2019
P026-SS011-0206-01	K2719-19	Soil	TCL VOCs	5/06/2019
P026-SS011-0612-01	K2719-20	Soil	TCL VOCs	5/06/2019
P026-SS011-1218-01	K2719-21	Soil	TCL VOCs	5/06/2019
P026-SS011-1824-01	K2719-22	Soil	TCL VOCs	5/06/2019
RB-190506	K2719-23	Aqueous/ Rinse	TCL VOCs	5/06/2019

[1] A field duplicate sample of P026-SS008-0206-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P026-SS008-0206-01:
- UJ - all low-level non-detects.
- J - Acetone, methylene chloride, toluene.

P026-SS008-0206-02:
- UJ - all low-level non-detects.
- J - Acetone, methylene chloride, 2-butanone, toluene.

P026-SS008-0206-02RE:
- UJ - all low-level non-detects.
- J – Acetone

P026-SS008-0612-01:
- J – Acetone

P026-SS009-0002-01:
- UJ - all low-level non-detects.
- J - Acetone, methyl acetate, methylene chloride.

P026-SS009-0002-01RE:
- UJ - all low-level non-detects.

P026-SS009-0206-01:
- J - Acetone, methylene chloride.

P026-SS010-0002-01:
J - Acetone, methyl acetate, methylene chloride, 2-butanone.
P026-SS010-0206-01:
J - Acetone, methylene chloride.
P026-SS010-0206-01RE:
UJ - all low-level non-detects.
J – Acetone
P026-SS010-0612-01:
UJ - all low-level non-detects.
J – Acetone, methylene chloride.
P026-SS010-1218-01:
J – Acetone, methylene chloride
P026-SS010-1824-01:
UJ - all low-level non-detects.
J – Acetone, methylene chloride
P026-SS011-0002-01:
UJ - all low-level non-detects.
J – Acetone, methyl acetate, methylene chloride
P026-SS011-0206-01:
J – Acetone, methylene chloride
P026-SS011-0206-01RE:
UJ - all low-level non-detects.
J – Acetone
P026-SS011-0612-01:
J – Methylene chloride
P026-SS011-1218-01:
J – Methylene chloride.
P026-SS011-1218-01RE:
J – Ethyl Benzene

The surrogate compound (1,2-dichloroethane-d4 and Bibromofluoromethane) recoveries exceeded laboratory control limits in the MS and MSD samples performed on sample P026-SS008-0206-01. Qualification of the data on this basis was not required.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS/MSD analyses of sample P026-SS008-0206-01 yielded high and low MS and/or MSD recoveries for 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 1,2-Dichloroethane, 2-Hexanone, Acetone, Bromochloromethane, Bromomethane, Chloroethane, Chloroform, cis-1,3-Dichloropropene, Isopropylbenzene, m/p-Xylenes, Methyl tert-butyl Ether, Methylcyclohexane, Styrene, t-1,3-Dichloropropene, and Vinyl chloride. Since the laboratory control sample analysis yielded acceptable recoveries, the non-compliant recoveries listed above in MS/MSD may be due to matrix interference. These analytes

were either not detected or previously qualified due to non-compliance surrogate recoveries in sample P026-SS008-0206-01 and its field duplicate P026-SS008-0206-02, no action was required.

The relative percent differences (RPDs) of 2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Chloromethane, and m/p-Xylenes exceeded the acceptance criteria in the MS/MSD analyses of sample P026-SS008-0206-01. These compounds were not detected in sample P026-SS008-0206-01; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20 for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r ≥ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 6, 2019 and May 7, 2019 on instruments MSVOA.D, the %RSD was greater than (>) 20 for methyl acetate; for the initial calibration performed on May 9, 2019 on instrument MSVOA_W, the %RSD was >20 for dichlorodifluoromethane. Since, methyl acetate and dichlorodifluoromethane were fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for 1,2,3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P026-SS009-1824-01, P026-SS011-0206-01RE, P026-SS011-1824-01, P026-SS008-0612-01, P026-SS008-1218-01, and P026-SS008-1824-01, no action were required.

For the CCV analyzed on 5/11/2019 at 10:48 on instrument MSVOA_D, the %D was >20 for bromomethane, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for samples P026-SS009-1824, P026-SS011-0206-01RE, P026-SS011-1824-01, P026-SS008-0612-01, P026-SS008-1218-01, P026-SS008-1824-01.

For the CCV analyzed on 5/12/2019 at 22:41 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, and 1,2,3-trichlorobenzene. The non-detected results for these

compounds were estimated (UJ) for samples P026-SS008-0206-02RE, P026-SS009-0002-01RE, P026-SS009-0206-01RE, P026-SS009-0612-01, P026-SS009-1218-01, P026-SS010-0206-01RE, P026-SS010-0002-01RE, and P026-SS010-0612-01RE.

For the CCV analyzed on 5/11/2019 at 10:42 on instrument MSVOA_F, the %D was >20 for acetone and carbon tetra chloride. The non-detected results for these compounds were estimated (UJ) for samples P026-SS011-0612-01RE and P026-SS011-1218-01RE.

For the CCV analyzed on 5/11/2019 at 12:37 on instrument MSVOA_W, the %D was >20 for o-xylene, styrene, isopropylbenzene, and 1,2,4-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for samples P026-SS009-0002-01, P026-SS009-0206-01, P026-SS010-0002-01, P026-SS010-0206-01, P026-SS010-0612-01, P026-SS010-1218-01, P026-SS010-1824-01, P026-SS011-0002-01, P026-SS008-0206-01, and P026-SS008-0206-02.

Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (less than [<]20% or <50%) or surrogate recoveries were not further qualified due to CCV recoveries >20%.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but <50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P026-SS008-0612-01, P026-SS011-0206-01RE, P026-SS011-1218-01RE, P026-SS010-1218-01RE, P026-SS009-0002-01, P026-SS009-0206-01, P026-SS010-0612-01, P026-SS010-1218-01, P026-SS010-1824-01, and P026-SS011-0002-01

Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS011-0206-01RE, P026-SS011-1218-01RE, P026-SS009-0002-01, P026-SS009-0206-01, P026-SS010-0612-01, P026-SS010-1218-01, and P026-SS011-0002-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS008-0206-02RE, P026-SS010-0002-01RE, P026-SS011-0206-01, P026-SS011-0612-01, P026-SS011-1218-01, P026-SS011-1218-01RE, P026-SS010-1218-01RE, P026-SS011-0002-01RE, P026-SS008-0206-01, P026-SS008-0206-02, P026-SS009-0002-01, P026-SS009-0206-01, P026-SS010-0002-01, P026-SS010-0612-01, P026-SS010-1218-01, and P026-SS010-1824-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS008-0612-01, P026-SS011-1824-01, P026-SS009-0206-01RE, P026-SS010-0002-01RE, P026-SS010-0206-01RE, P026-SS010-0612-01RE, P026-SS011-0612-01RE, P026-SS010-1218-01RE, and P026-SS010-1824-01RE
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P026-SS008-1218-01, P026-SS008-1824-01, and P026-SS010-0206-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS008-1218-01, P026-SS008-1824-01, and P026-SS010-0206-01,

Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS008-1218-01, P026-SS008-1824-01, P026-SS011-0206-01RE, P026-SS010-0206-01, and P026-SS011-0002-01

Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS008-1218-01, P026-SS008-1824-01, P026-SS011-0206-01RE, P026-SS008-0206-02RE, P026-SS011-0206-01, P026-SS011-0612-01, P026-SS011-1218-01, P026-SS011-1218-01RE, P026-SS011-0002-01RE, P026-SS008-0206-01, P026-SS008-0206-02, P026-SS009-0002-01, P026-SS009-0206-01, P026-SS010-0002-01, P026-SS010-0206-01, P026-SS010-0612-01, P026-SS010-1218-01, P026-SS010-1824-01, and P026-SS011-0002-01

Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P026-SS008-0206-01MS, P026-SS008-0206-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Field duplicate pair P026-SS008-0206-01 and P026-SS008-0206-02 were submitted for soil samples. The RPD was > 50% for toluene: Since toluene was previously qualified in sample P026-SS008-0206-01 and its field duplicate P026-SS008-0206-02, no further qualification was required.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (≥85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (<85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported several non-target VOCs as TICs. The non-target VOCs are not project target analytes but were present in the sample and quantitated using the VOC calibration standards in the following samples:

P026-SS008-0206-01, P026-SS008-0206-02: Diethyl Ether
P026-SS009-0206-01: Naphthalene
P026-SS009-0002-01 and RB-190506: Tert Butyl Alcohol

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recoveries of 1,3-dichlorobenzene and 1,2,3-trichlorobenzene exceeded the acceptance criteria in the laboratory control sample (LCS) associated with samples P026-SS009-1824-01, P026-SS011-0206-01RE, P026-SS011-1824-01, P026-SS008-0612-01, P026-SS008-1218-01, and P026-SS008-1824-01. The non-detected results for these compounds were not qualified.

The recoveries of chloroform and carbon tetra chloride exceeded the acceptance criteria in the LCS associated with samples P026-SS011-1218-01, P026-SS011-0612-01, and P026-SS011-0206-01. The non-detected results for these compounds were not qualified.

The recovery of carbon tetrachloride, chloroform, 1,1,1-trichloroethane, and cis-1,3-dichloropropene exceeded the acceptance criteria in the LCS associated with samples P026-SS011-0612-01RE and P026-SS011-1218-01RE. The non-detected results for these compounds were not qualified.

The recovery of carbon tetrachloride, 1,1,1-trichloroethane, and cis-1,3-dichloropropene exceeded the acceptance criteria in the LCS associated with samples P026-SS010-1218-01RE, P026-SS010-1824-01RE, and P026-SS011-0002-01RE. The non-detected results for these compounds were not qualified.

Internal standards failed in samples P026-SS008-0612-01, P026-SS008-1218-01, P026-SS008-1824-01, and P026-SS011-1824-01; and laboratory did not reanalyzed the samples. Laboratory indicated in case narrative that Vial B was analyzed originally for internal standard and Vial A did not purge well, and there was no other vial left for further analysis, therefore Vial B run was reported as final analysis. The Vial A raw data is reported in miscellaneous as screening data except sample P026-SS008-1824-01. Due to instrument error lab lost the Vial A for sample P026-SS008-1824-01, therefore lab was not able to do the reanalysis of this sample for failing internal standard and reported only Vial B run as final data.

Laboratory indicated in case narrative that samples P026-SS008-0206-01, P026-SS008-0612-01, P026-SS008-1218-01, and P026-SS008-1824-01 were not reanalyzed to confirm the surrogate failure. Sample P026-SS008-0206-01 was confirmed by analyzing the same sample for MS/MSD. For sample P026-SS008-0206-01 lab used Vial A which did not purge well. Vial B was analyzed originally for surrogate and internal standard and it failed, there was no other vial left for further analysis, therefore Vial B run was reported as final analysis. The Vial A raw data is reported in

miscellaneous as screening data except sample P026-SS008-1824-01. Due to instrument error lab lost the Vial A for sample P026-SS008-1824-01, therefore lab was not able to do the reanalysis of this sample for failing surrogate and reported only Vial B run as final data. P026-SS008-0206-01MS is confirmed with P026-SS008-0206-01-MSD sample.

Samples P026-SS008-0206-01, P026-SS009-0002-01, P026-SS009-0206-01, P026-SS010-0002-01, P026-SS010-0206-01, P026-SS010-0612-01, P026-SS010-1218-01, P026-SS010-1824-01, P026-SS011-0002-01, P026-SS011-0206-01, P026-SS011-0612-01, and P026-SS011-1218-01 were re-analyzed due to surrogate and/or internal standard failures.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

The majority of samples in this SDG were analyzed as low-level VOCs and/or reanalyzed at low-level to either confirm that poor surrogate and internal standard recoveries were due to matrix effect. Samples P026-SS008-0206-01, P026-SS009-0002-01, P026-SS009-0206-01RE, P026-SS010-0002-01, P026-SS010-0206-01RE, P026-SS010-0612-01RE, P026-SS010-1218-01, P026-SS010-1824-01RE, P026-SS011-0002-01RE, P026-SS011-0206-01, P026-SS011-0612-01, and P026-SS011-1218-01 were used for reporting purposes with below exceptions.

For each sample that required multiple analyses, the reported analyses and reason for selection of the reported results on the data table are detailed in Section 13 below.

For samples P026-SS009-0002-01, P026-SS010-0002-01, P026-SS010-1218-01, and P026-SS011-0612-01, most VOCs except Isopropylbenzene, 1,1,2,2-tetrachloroethane; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 1,2-dichlorobenzene; 1,2-dibromo-3-chloropropane; 1,2,4-trichlorobenzene; and 1,2,3-trichlorobenzene were reported from P026-SS009-0002-01RE, P026-SS010-0002-01RE, P026-SS010-1218-01RE, and P026-SS011-0612-01RE. These eight VOCs were reported from the reanalysis because the results would have been rejected in the original analysis due to very low internal standard recovery.

For samples P026-SS009-0206-01, P026SS010-0612-01, and P026-SS010-1824-01, acetone and methylene chloride were detected in the initial analysis, it was re-analyzed and was not detected in re-analysis. Rather than report acetone and methylene chloride as non-detected, the acetone result was transferred from the initial analysis to re-analysis as detected and qualified with the J+ qualifier due to low internal standard recovery.

For samples P026-SS011-0002-01, acetone, methyl acetate, methylene chloride, and ethyl benzene were detected in the initial analysis, samples were re-analyzed and these compounds were not detected in re-analysis. Rather than report acetone, methyl acetate, methylene chloride, and ethyl benzene as non-detected, the results were transferred from the initial analysis to re-analysis as detected and qualified with the J+ qualifier due to low internal standard recovery.

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS008-0206-01	P026-SS008-0206-02[1]	P026-SS008-0612-01	P026-SS008-1218-01	P026-SS008-1824-01
Lab Sample ID	K2719-01	K2719-04	K2719-05	K2719-06	K2719-07
Sample weight (g)	3.55	4.08	5.65	5.07	5.92
Moisture (%)	57.5	55	19.5	13.5	14.5
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	3 UJ	2.5 UJ	1 UJ	R	R
Chloromethane	5.9 UJ	4.9 UJ	2 UJ	R	R
Vinyl Chloride	3.7 UJ	3 UJ	1.2 UJ	R	R
Bromomethane	1.3 UJ	1 UJ	0.42 UJ	R	R
Chloroethane	1.9 UJ	1.6 UJ	0.63 UJ	R	R
Trichlorofluoromethane	2.1 UJ	1.8 UJ	0.71 UJ	R	R
1,1,2-Trichlorotrifluoroethane	2.7 UJ	2.2 UJ	0.88 UJ	R	R
1,1-Dichloroethene	3.3 UJ	2.7 UJ	1.1 UJ	R	R
Acetone	**240 J**	**220 J**	**13.5 J+**	R	R
Carbon Disulfide	3.5 UJ	2.9 UJ	1.2 UJ	R	R
Methyl tert-butyl Ether	4.6 UJ	3.8 UJ	1.5 UJ	R	R
Methyl Acetate	9.3 UJ	7.7 UJ	3.1 UJ	R	R
Methylene Chloride	**59.3 J**	**47.9 J**	5.7 UJ	R	R
trans-1,2-Dichloroethene	4.2 UJ	3.4 UJ	1.4 UJ	R	R
1,1-Dichloroethane	3 UJ	2.5 UJ	1 UJ	R	R
Cyclohexane	6 UJ	4.9 UJ	2 UJ	R	R
2-Butanone	22.1 UJ	**22.2 J**	7.3 UJ	R	R
Carbon Tetrachloride	2.7 UJ	2.2 UJ	0.91 U	R	R
cis-1,2-Dichloroethene	3.3 UJ	2.7 UJ	1.1 UJ	R	R
Bromochloromethane	4 UJ	3.2 UJ	1.3 UJ	R	R
Chloroform	2.9 UJ	2.4 UJ	0.95 UJ	R	R
1,1,1-Trichloroethane	3.5 UJ	2.9 UJ	1.2 UJ	R	R
Methylcyclohexane	3.9 UJ	3.2 UJ	1.3 U	R	R
Benzene	2.8 UJ	2.3 UJ	0.92 U	R	R
1,2-Dichloroethane	4 UJ	3.3 UJ	1.3 U	R	R
Trichloroethene	3.1 UJ	2.5 UJ	1 U	R	R
1,2-Dichloropropane	4.1 UJ	3.4 UJ	1.4 U	R	R
Bromodichloromethane	3.3 UJ	2.7 UJ	1.1 U	R	R
4-Methyl-2-Pentanone	18.5 UJ	15.2 UJ	6.1 U	R	R
Toluene	**5.2 J**	**9 J**	1.1 U	R	R
t-1,3-Dichloropropene	3.3 UJ	2.7 UJ	1.1 U	R	R
cis-1,3-Dichloropropene	3.5 UJ	2.9 UJ	1.2 U	R	R
1,1,2-Trichloroethane	4.7 UJ	3.9 UJ	1.6 U	R	R
2-Hexanone	24.4 UJ	20.1 UJ	8.1 U	R	R
Dibromochloromethane	4.3 UJ	3.6 UJ	1.4 U	R	R
1,2-Dibromoethane	4.3 UJ	3.5 UJ	1.4 U	R	R
Tetrachloroethene	2.3 UJ	1.9 UJ	0.76 U	R	R
Chlorobenzene	2.6 UJ	2.1 UJ	0.87 U	R	R
Ethyl Benzene	2.8 UJ	2.3 UJ	0.94 U	R	R
m/p-Xylenes	5.5 UJ	4.5 UJ	1.8 U	R	R
o-Xylene	3.6 UJ	3 UJ	1.2 U	R	R
Styrene	3.3 UJ	2.7 UJ	1.1 U	R	R
Bromoform	10.9 UJ	8.9 UJ	3.6 U	R	R
Isopropylbenzene	R	R	0.95 UJ	R	R
1,1,2,2-Tetrachloroethane	R	R	1.2 UJ	R	R
1,3-Dichlorobenzene	R	R	1.2 UJ	R	R
1,4-Dichlorobenzene	R	R	1.2 UJ	R	R
1,2-Dichlorobenzene	R	R	1.4 UJ	R	R
1,2-Dibromo-3-Chloropropane	R	R	3.7 UJ	R	R
1,2,4-Trichlorobenzene	R	R	1.2 UJ	R	R
1,2,3-Trichlorobenzene	R	R	1.4 UJ	R	R

U: Not detected at the indicated concentration. RE: Reanalysis R: Rejected

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

[1] A field duplicate of P026-SS008-0206-01

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-0002-01	P026-SS009-0206-01RE	P026-SS009-0612-01	P026-SS009-1218-01	P026-SS009-1824-01
Lab Sample ID	K2719-08	K2719-09RE	K2719-10	K2719-11	K2719-12
Sample weight (g)	5.98, *2.86	5.71, *5.64	3.81	6.65	6.2
Moisture (%)	14.4	11.3	10.5	11.7	13.9
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.89 UJ	0.9 U	1.3 U	0.77 U	0.85 U
Chloromethane	1.7 UJ	1.8 U	2.6 U	1.5 U	1.7 U
Vinyl Chloride	1.1 UJ	1.1 U	1.6 U	0.95 U	1 UJ
Bromomethane	0.37 UJ	0.37 UJ	0.55 UJ	0.32 UJ	0.35 U
Chloroethane	0.56 UJ	0.57 UJ	0.84 UJ	0.49 UJ	0.54 U
Trichlorofluoromethane	0.63 UJ	0.64 U	0.95 U	0.55 U	0.6 U
1,1,2-Trichlorotrifluoroethane	0.78 UJ	0.79 U	1.2 U	0.68 U	0.75 U
1,1-Dichloroethene	0.97 UJ	0.98 U	1.5 U	0.84 U	0.93 U
Acetone	**51 J+**	***8.3 J+**	11.3 U	6.5 U	7.2 U
Carbon Disulfide	1 UJ	1.1 U	1.6 U	0.91 U	1 U
Methyl tert-butyl Ether	1.4 UJ	1.4 U	2 U	1.2 U	1.3 U
Methyl Acetate	**2.8 J+**	2.8 U	4.1 U	2.4 U	2.6 U
Methylene Chloride	**11.5 J+**	***12.9 J+**	7.6 U	4.4 U	4.9 U
trans-1,2-Dichloroethene	1.2 UJ	1.2 U	1.8 U	1.1 U	1.2 U
1,1-Dichloroethane	0.89 UJ	0.9 U	1.3 U	0.77 U	0.85 U
Cyclohexane	1.8 UJ	1.8 U	2.6 U	1.5 U	1.7 U
2-Butanone	6.5 UJ	6.6 U	9.8 U	5.7 U	6.2 U
Carbon Tetrachloride	0.81 UJ	0.81 U	1.2 U	0.7 U	0.77 U
cis-1,2-Dichloroethene	0.96 UJ	0.97 U	1.4 U	0.84 U	0.92 U
Bromochloromethane	1.2 UJ	1.2 U	1.7 U	1 U	1.1 U
Chloroform	0.84 UJ	0.85 U	1.3 U	0.74 U	0.81 U
1,1,1-Trichloroethane	1 UJ	1 U	1.6 U	0.9 U	0.99 U
Methylcyclohexane	1.2 UJ	1.2 U	1.7 U	1 U	1.1 U
Benzene	0.82 UJ	0.83 U	1.2 U	0.71 U	0.79 U
1,2-Dichloroethane	1.2 UJ	1.2 U	1.8 U	1 U	1.1 U
Trichloroethene	0.91 UJ	0.92 U	1.4 U	0.79 U	0.87 U
1,2-Dichloropropane	1.2 UJ	1.2 U	1.8 U	1.1 U	1.2 U
Bromodichloromethane	0.97 UJ	0.98 U	1.5 U	0.85 U	0.93 U
4-Methyl-2-Pentanone	5.5 UJ	5.5 U	8.2 U	4.8 U	5.2 U
Toluene	0.95 UJ	0.96 U	1.4 U	0.83 U	0.91 U
t-1,3-Dichloropropene	0.98 UJ	0.99 U	1.5 U	0.86 U	0.94 U
cis-1,3-Dichloropropene	1 UJ	1.1 U	1.6 U	0.91 U	1 U
1,1,2-Trichloroethane	1.4 UJ	1.4 U	2.1 U	1.2 U	1.3 U
2-Hexanone	7.2 UJ	7.3 U	10.8 U	6.3 U	6.9 U
Dibromochloromethane	1.3 UJ	1.3 U	1.9 U	1.1 U	1.2 U
1,2-Dibromoethane	1.3 UJ	1.3 U	1.9 U	1.1 U	1.2 U
Tetrachloroethene	0.68 UJ	0.69 U	1 U	0.59 U	0.65 U
Chlorobenzene	0.77 UJ	0.78 U	1.2 U	0.67 U	0.74 U
Ethyl Benzene	0.83 UJ	0.84 U	1.3 U	0.73 U	0.8 U
m/p-Xylenes	1.6 UJ	1.6 U	2.4 U	1.4 U	1.5 U
o-Xylene	1.1 UJ	1.1 U	1.6 U	0.93 U	1 U
Styrene	0.97 UJ	0.98 U	1.5 U	0.84 U	0.93 U
Bromoform	3.2 UJ	3.2 U	4.8 U	2.8 U	3.1 U
Isopropylbenzene	*1.8 UJ	0.85 UJ	1.3 U	0.74 U	0.81 U
1,1,2,2-Tetrachloroethane	*2.2 UJ	1.1 UJ	1.6 U	0.93 U	1 U
1,3-Dichlorobenzene	*2.2 UJ	1.1 UJ	1.6 U	0.91 U	1 U
1,4-Dichlorobenzene	*2.2 UJ	1 UJ	1.5 U	0.9 U	0.99 U
1,2-Dichlorobenzene	*2.6 UJ	1.3 UJ	1.9 U	1.1 U	1.2 U
1,2-Dibromo-3-Chloropropane	*6.8 UJ	3.3 UJ	4.9 U	2.8 U	3.1 U
1,2,4-Trichlorobenzene	*2.3 UJ	1.1 UJ	1.6 U	0.95 U	1 UJ
1,2,3-Trichlorobenzene	*2.6 UJ	1.3 UJ	1.9 UJ	1.1 UJ	1.2 UJ

U: Not detected at the indicated concentration.
J: Estimated result/J+: Estimate result with a high bias
* Reported from re-analysis or initial analysis

RE: Reanalysis
µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS010-0002-01	P026-SS010-0206-01RE	P026-SS010-0612-01RE	P026-SS010-1218-01	P026-SS010-1824-01RE
Lab Sample ID	K2719-13	K2719-14RE	K2719-15RE	K2719-16	K2719-17RE
Sample weight (g)	4.57, *5.18	4.78	3.71, *3.32	5.32, *6.44	6.36, *6.23
Moisture (%)	27.7	19.6	19.2	18.1	16.8
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.4 U	1.2 UJ	1.5 U	1 UJ	0.86 U
Chloromethane	2.7 U	2.3 UJ	3 U	2 UJ	1.7 U
Vinyl Chloride	1.7 U	1.4 UJ	1.9 U	1.3 UJ	1.1 U
Bromomethane	0.57 U	0.49 UJ	0.63 UJ	0.43 UJ	0.36 U
Chloroethane	0.87 U	0.75 UJ	0.96 UJ	0.66 UJ	0.54 U
Trichlorofluoromethane	0.98 U	0.84 UJ	1.1 U	0.74 UJ	0.61 U
1,1,2-Trichlorotrifluoroethane	1.2 U	1 UJ	1.3 U	0.92 UJ	0.76 U
1,1-Dichloroethene	1.5 U	1.3 UJ	1.7 U	1.1 UJ	0.94 U
Acetone	**330 J**	**18.3 J**	***20.7 J+**	**30.1 J+**	***23.2 J+**
Carbon Disulfide	1.6 U	1.4 UJ	1.8 U	1.2 UJ	1 U
Methyl tert-butyl Ether	2.1 U	1.8 UJ	2.3 U	1.6 UJ	1.3 U
Methyl Acetate	**10.7 J**	3.7 UJ	4.7 U	3.2 UJ	2.7 U
Methylene Chloride	**11.4 J**	6.8 UJ	***16.6 J+**	**11.6 J+**	***9.4 J+**
trans-1,2-Dichloroethene	1.9 U	1.6 UJ	2.1 U	1.4 UJ	1.2 U
1,1-Dichloroethane	1.4 U	1.2 UJ	1.5 U	1 UJ	0.86 U
Cyclohexane	2.7 U	2.3 UJ	3 U	2.1 UJ	1.7 U
2-Butanone	**26 J**	8.7 UJ	11.1 U	7.7 UJ	6.3 U
Carbon Tetrachloride	1.2 U	1.1 UJ	1.4 U	0.95 UJ	0.78 U
cis-1,2-Dichloroethene	1.5 U	1.3 UJ	1.6 U	1.1 UJ	0.93 U
Bromochloromethane	1.8 U	1.6 UJ	2 U	1.4 UJ	1.1 U
Chloroform	1.3 U	1.1 UJ	1.4 U	0.99 UJ	0.82 U
1,1,1-Trichloroethane	1.6 U	1.4 UJ	1.8 U	1.2 UJ	1 U
Methylcyclohexane	1.8 U	1.5 UJ	2 U	1.4 UJ	1.1 U
Benzene	1.3 U	1.1 UJ	1.4 U	0.96 UJ	0.79 U
1,2-Dichloroethane	1.8 U	1.6 UJ	2 U	1.4 UJ	1.1 U
Trichloroethene	1.4 U	1.2 UJ	1.6 U	1.1 UJ	0.88 U
1,2-Dichloropropane	1.9 U	1.6 UJ	2.1 U	1.4 UJ	1.2 U
Bromodichloromethane	1.5 U	1.3 UJ	1.7 U	1.1 UJ	0.94 U
4-Methyl-2-Pentanone	8.5 U	7.3 UJ	9.3 U	6.4 UJ	5.3 U
Toluene	1.5 U	1.3 UJ	1.6 U	1.1 UJ	0.92 U
t-1,3-Dichloropropene	1.5 U	1.3 UJ	1.7 U	1.2 UJ	0.95 U
cis-1,3-Dichloropropene	1.6 U	1.4 UJ	1.8 U	1.2 UJ	1 U
1,1,2-Trichloroethane	2.2 U	1.9 UJ	2.4 U	1.6 UJ	1.3 U
2-Hexanone	11.2 U	9.6 UJ	12.3 U	8.5 UJ	7 U
Dibromochloromethane	2 U	1.7 UJ	2.2 U	1.5 UJ	1.2 U
1,2-Dibromoethane	2 U	1.7 UJ	2.2 U	1.5 UJ	1.2 U
Tetrachloroethene	1.1 UJ	0.9 UJ	1.2 U	0.8 UJ	0.66 U
Chlorobenzene	1.2 UJ	1 UJ	1.3 U	0.9 UJ	0.74 U
Ethyl Benzene	1.3 UJ	1.1 UJ	1.4 U	0.98 UJ	0.81 U
m/p-Xylenes	2.5 UJ	2.2 UJ	2.8 U	1.9 UJ	1.6 U
o-Xylene	1.7 UJ	1.4 UJ	1.8 U	1.3 UJ	1 U
Styrene	1.5 UJ	1.3 UJ	1.7 U	1.1 UJ	0.94 U
Bromoform	5 UJ	4.3 UJ	5.5 U	3.8 UJ	3.1 U
Isopropylbenzene	*1.2 UJ	1.1 UJ	1.4 UJ	*0.82 UJ	0.82 UJ
1,1,2,2-Tetrachloroethane	*1.5 UJ	1.4 UJ	1.8 UJ	*1.0 UJ	1 UJ
1,3-Dichlorobenzene	*1.4 UJ	1.4 UJ	1.8 UJ	*1.0 UJ	1 UJ
1,4-Dichlorobenzene	*1.4 UJ	1.4 UJ	1.8 UJ	*1.0 UJ	1 UJ
1,2-Dichlorobenzene	*1.7 UJ	1.7 UJ	2.1 UJ	*1.2 UJ	1.2 UJ
1,2-Dibromo-3-Chloropropane	*4.4 UJ	4.3 UJ	5.6 UJ	*3.2 UJ	3.1 UJ
1,2,4-Trichlorobenzene	*1.5 UJ	1.4 UJ	1.9 UJ	*1.1 UJ	1.1 UJ
1,2,3-Trichlorobenzene	*1.7 UJ	1.7 UJ	2.1 UJ	*1.2 UJ	1.2 UJ

U: Not detected at the indicated concentration

RE: Reanalysis

J: Estimated result/J+: Estimate result with a high bias

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

* Reported from re-analysis or initial analysis

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS011-0002-01RE	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01	P026-SS011-1824-01
Lab Sample ID	K2719-18RE	K2719-19	K2719-20	K2719-21	K2719-22
Sample weight (g)	3.33, *3.15	3.06	5.39	3.67	5.64
Moisture (%)	57	64.4	33.8	29.3	22.1
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	3.2 U	4.2 U	1.3 U	1.8 U	1 U
Chloromethane	6.2 U	8.2 U	2.5 U	3.4 U	2 U
Vinyl Chloride	3.9 U	5.1 U	1.6 U	2.1 U	1.3 U
Bromomethane	1.3 U	1.7 U	0.53 U	0.73 U	0.43 UJ
Chloroethane	2 U	2.6 U	0.81 U	1.1 U	0.65 U
Trichlorofluoromethane	2.3 U	3 U	0.9 U	1.2 U	0.73 U
1,1,2-Trichlorotrifluoroethane	2.8 U	3.7 U	1.1 U	1.5 U	0.91 U
1,1-Dichloroethene	3.5 U	4.6 U	1.4 U	1.9 U	1.1 U
Acetone	**470 J+**	**280 J**	10.8 U	14.8 U	8.7 U
Carbon Disulfide	3.7 U	4.9 U	1.5 U	2.1 U	1.2 U
Methyl tert-butyl Ether	4.9 U	6.4 U	2 U	2.7 U	1.6 U
Methyl Acetate	**14.5 J+**	12.9 U	3.9 U	5.4 U	3.2 U
Methylene Chloride	**45.6 J+**	**39.1 J**	**12.9 J**	**21.9 J**	5.9 U
trans-1,2-Dichloroethene	4.4 U	5.8 U	1.8 U	2.4 U	1.4 U
1,1-Dichloroethane	3.2 U	4.2 U	1.3 U	1.8 U	1 U
Cyclohexane	6.3 U	8.2 U	2.5 U	3.5 U	2 U
2-Butanone	23.3 U	30.6 U	9.3 U	12.9 U	7.6 U
Carbon Tetrachloride	2.9 U	3.8 U	1.2 U	1.6 U	0.94 U
cis-1,2-Dichloroethene	3.4 U	4.5 U	1.4 U	1.9 U	1.1 U
Bromochloromethane	4.2 U	5.5 U	1.7 U	2.3 U	1.4 U
Chloroform	3 U	4 U	1.2 U	1.7 U	0.98 U
1,1,1-Trichloroethane	3.7 U	4.9 U	1.5 U	2 U	1.2 U
Methylcyclohexane	4.1 U	5.4 U	1.7 U	2.3 U	1.3 U
Benzene	2.9 U	3.8 U	1.2 U	1.6 U	0.95 U
1,2-Dichloroethane	4.2 U	5.5 U	1.7 U	2.3 U	1.4 U
Trichloroethene	3.3 U	4.3 U	1.3 U	1.8 U	1.1 U
1,2-Dichloropropane	4.4 U	5.7 U	1.7 U	2.4 U	1.4 U
Bromodichloromethane	3.5 U	4.6 U	1.4 U	1.9 U	1.1 U
4-Methyl-2-Pentanone	19.5 U	25.7 U	7.8 U	10.8 U	6.4 U
Toluene	3.4 U	4.5 U	1.4 U	1.9 U	1.1 U
t-1,3-Dichloropropene	3.5 U	4.6 U	1.4 U	1.9 U	1.1 U
cis-1,3-Dichloropropene	3.7 U	4.9 U	1.5 U	2.1 U	1.2 U
1,1,2-Trichloroethane	5 U	6.5 U	2 U	2.7 U	1.6 U
2-Hexanone	25.8 U	33.9 U	10.3 U	14.2 U	8.4 U
Dibromochloromethane	4.6 U	6 U	1.8 U	2.5 U	1.5 U
1,2-Dibromoethane	4.5 U	6 U	1.8 U	2.5 U	1.5 U
Tetrachloroethene	2.4 UJ	3.2 UJ	0.97 UJ	1.3 UJ	0.79 U
Chlorobenzene	2.8 UJ	3.6 UJ	1.1 UJ	1.5 UJ	0.9 U
Ethyl Benzene	***3.7 J+**	3.9 UJ	1.2 UJ	1.6 UJ	0.97 U
m/p-Xylenes	5.8 UJ	7.6 UJ	2.3 UJ	3.2 UJ	1.9 U
o-Xylene	3.8 UJ	5 UJ	1.5 UJ	2.1 UJ	1.2 U
Styrene	3.5 UJ	4.5 UJ	1.4 UJ	1.9 UJ	1.1 U
Bromoform	11.5 UJ	15.1 UJ	4.6 UJ	6.3 UJ	3.7 U
Isopropylbenzene	R	R	*1.2 UJ	R	0.99 UJ
1,1,2,2-Tetrachloroethane	R	R	*1.5 UJ	R	1.2 UJ
1,3-Dichlorobenzene	R	R	*1.5 UJ	R	1.2 UJ
1,4-Dichlorobenzene	R	R	*1.5 UJ	R	1.2 UJ
1,2-Dichlorobenzene	R	R	*1.7 UJ	R	1.4 UJ
1,2-Dibromo-3-Chloropropane	R	R	*4.6 UJ	R	3.8 UJ
1,2,4-Trichlorobenzene	R	R	*1.5 UJ	R	1.3 UJ
1,2,3-Trichlorobenzene	R	R	*1.7 UJ	R	1.4 UJ

U: Not detected at the indicated concentration
J: Estimated result/J+: Estimate result with a high bias
* Reported from re-analysis or initial analysis

RE: Reanalysis
µg/Kg = micrograms per kilogram

R: Rejected
Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Aqueous/Rinse Blank
Field Sample ID	RB-190506
Lab Sample ID	K2719-23
Dilution Factor	1
Volatile Organic Compounds (ug/L)	
Dichlorodifluoromethane	0.22 U
Chloromethane	0.3 U
Vinyl Chloride	0.16 U
Bromomethane	2.1 U
Chloroethane	0.34 U
Trichlorofluoromethane	0.16 U
1,1,2-Trichlorotrifluoroethane	0.21 U
1,1-Dichloroethene	0.18 U
Acetone	0.9 U
Carbon Disulfide	0.23 U
Methyl tert-butyl Ether	0.07 U
Methyl Acetate	0.65 U
Methylene Chloride	0.33 U
trans-1,2-Dichloroethene	0.24 U
1,1-Dichloroethane	0.17 U
Cyclohexane	1.2 U
2-Butanone	0.71 U
Carbon Tetrachloride	0.22 U
cis-1,2-Dichloroethene	0.3 U
Bromochloromethane	0.31 U
Chloroform	0.14 U
1,1,1-Trichloroethane	0.12 U
Methylcyclohexane	0.17 U
Benzene	0.1 U
1,2-Dichloroethane	0.13 U
Trichloroethene	0.27 U
1,2-Dichloropropane	0.14 U
Bromodichloromethane	0.1 U
4-Methyl-2-Pentanone	0.85 U
Toluene	0.12 U
t-1,3-Dichloropropene	0.19 U
cis-1,3-Dichloropropene	0.16 U
1,1,2-Trichloroethane	0.12 U
2-Hexanone	1.4 U
Dibromochloromethane	0.16 U
1,2-Dibromoethane	0.14 U
Tetrachloroethene	0.15 U
Chlorobenzene	0.08 U
Ethyl Benzene	0.08 U
m/p-Xylenes	0.2 U
o-Xylene	0.13 U
Styrene	0.11 U
Bromoform	0.15 U
Isopropylbenzene	0.13 U
1,1,2,2-Tetrachloroethane	0.15 U
1,3-Dichlorobenzene	0.14 U
1,4-Dichlorobenzene	0.2 U
1,2-Dichlorobenzene	0.12 U
1,2-Dibromo-3-Chloropropane	0.54 U
1,2,4-Trichlorobenzene	0.24 U
1,2,3-Trichlorobenzene	0.26 U

U: Not detected at the indicated concentration.

µg/L = micrograms per liter

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Cover Page

Order ID : K2719

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2719-01	P026-SS008-0206-01
K2719-02	K2719-01MS
K2719-03	K2719-01MSD
K2719-04	P026-SS008-0206-02
K2719-05	P026-SS008-0612-01
K2719-06	P026-SS008-1218-01
K2719-07	P026-SS008-1824-01
K2719-08	P026-SS009-0002-01
K2719-09	P026-SS009-0206-01
K2719-10	P026-SS009-0612-01
K2719-11	P026-SS009-1218-01
K2719-12	P026-SS009-1824-01
K2719-13	P026-SS010-0002-01
K2719-14	P026-SS010-0206-01
K2719-15	P026-SS010-0612-01
K2719-16	P026-SS010-1218-01
K2719-17	P026-SS010-1824-01
K2719-18	P026-SS011-0002-01
K2719-19	P026-SS011-0206-01
K2719-20	P026-SS011-0612-01
K2719-21	P026-SS011-1218-01
K2719-22	P026-SS011-1824-01
K2719-23	RB-190506

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED Date: 5/15/2019

By Mildred V Reyes, QAQC Summary at 1:37 pm, May 15, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2719
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 05/07/2019.
1 Water sample was received on 05/07/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P026-SS008-0206-01 [1,2-Dichloroethane-d4 - 182%, Dibromofluoromethane - 156%, Toluene-d8 - 63%],

P026-SS008-0206-01MS [1,2-Dichloroethane-d4 - 146%, Dibromofluoromethane - 139%],
P026-SS008-0206-01MSD [1,2-Dichloroethane-d4 - 151%, Dibromofluoromethane - 136%],

P026-SS008-0206-02 [1,2-Dichloroethane-d4 - 175%, Dibromofluoromethane - 149%, Toluene-d8 - 55%],

P026-SS008-0206-02RE [4-Bromofluorobenzene - 32%, Toluene-d8 - 66%],

P026-SS008-0612-01 [1,2-Dichloroethane-d4 - 135%],

P026-SS008-1218-01 [1,2-Dichloroethane-d4 - 308%, Dibromofluoromethane - 139%]
,
P026-SS008-1824-01 [1,2-Dichloroethane-d4 - 277%],

P026-SS009-0002-01 [1,2-Dichloroethane-d4 - 313%, Dibromofluoromethane - 204%, Toluene-d8 - 53%],

P026-SS009-0002-01RE [Toluene-d8 - 63%],

P026-SS009-0206-01 [1,2-Dichloroethane-d4 - 220%, Dibromofluoromethane - 185%]
,
P026-SS010-0002-01 [1,2-Dichloroethane-d4 - 193%, Dibromofluoromethane - 158%],

P026-SS010-0206-01 [1,2-Dichloroethane-d4 - 263%, Dibromofluoromethane - 220%],

P026-SS010-0206-01RE [Toluene-d8 - 63%],

P026-SS010-0612-01 [1,2-Dichloroethane-d4 - 213%, 4-Bromofluorobenzene - 32%, Dibromofluoromethane - 196%],

P026-SS010-1218-01 [1,2-Dichloroethane-d4 - 251%, Dibromofluoromethane - 193%],

P026-SS010-1824-01 [1,2-Dichloroethane-d4 - 222%, Dibromofluoromethane - 177%, Toluene-d8 - 54%],

P026-SS011-0002-01 [1,2-Dichloroethane-d4 - 238%, 4-Bromofluorobenzene - 32%, Dibromofluoromethane - 191%, Toluene-d8 - 60%],

P026-SS011-0206-01 [1,2-Dichloroethane-d4 - 138%, Dibromofluoromethane - 139%],

P026-SS011-0206-01RE [1,2-Dichloroethane-d4 - 156%, 4-Bromofluorobenzene - 30%],

P026-SS011-0612-01 [1,2-Dichloroethane-d4 - 151%, Dibromofluoromethane - 152%],

P026-SS011-1218-01 [1,2-Dichloroethane-d4 - 167%, Dibromofluoromethane - 159%],

P026-SS011-1218-01RE [1,2-Dichloroethane-d4 - 135%].

The samples were reanalyzed to confirm the surrogate failure except sample P026-SS008-0206-01,. P026-SS008-0612-01, P026-SS008-1218-01, P026-SS008-1824-01., For sample P026-SS008-0206-01 was confirmed with analyzed same sample MS/MSD. Lab used Vial A did not purge well. These samples B vial was analyzed originally surrogate and internal standard failed and it was failing, there is no other vial left for further analysis, therefore vial B run was reported as final analysis.. The vial A raw data

is reported in miscellaneous as screening data except sample P026-SS008-1824-01. Due to instrument error lab lost the Vial A for sample P026-SS008-1824-01, therefore lab was not able to do the reanalysis of this sample for failing surrogate and reported only vial B run as final data. P026-SS008-0206-01MS is confirmed with P026-SS008-0206-01-MSD sample.

The Internal Standards Areas met the acceptable requirements except for P026-SS008-0612-01,P026-SS008-1218-01,P026-SS008-1824-01,P026-SS011-0206-01, P026-SS011-0206-01RE, P026-SS011-1824-01,P026-SS008-0206-02,P026-SS008-0206-02RE,P026-SS009-0206-01,P026-SS009-0206-01RE,P026-SS010-0002-01, P026-SS010-0002-01RE,P026-SS010-0206-01,P026-SS010-0206-01RE,P026-SS010-0612-01,P026-SS010-0612-01RE,P026-SS011-0612-01,P026-SS011-0612-01RE, P026-SS011-1218-01, P026-SS011-1218-01RE,P026-SS010-1218-01,P026-SS010-1218-01RE,P026-SS010-1824-01,P026-SS010-1824-01RE,P026-SS011-0002-01, P026-SS011-0002-01RE,P026-SS008-0206-01,P026-SS008-0206-01MS, P026-SS008-0206-01MSD,P026-SS009-0002-01.Samples were reanalyzed for the Internal standard failures except sample P026-SS008-0612-01, P026-SS008-1218-01, P026-SS008-1824-01. P026-SS011-1824-01 All these samples were received in Encore. B vial was analyzed originally internal standard and vial A did not purge well, there is no other vial left for further analysis, therefore this run (vial B) was reported as final analysis.. The vial A raw data is reported in miscellaneous as screening data except sample P026-SS008-1824-01. Due to instrument error lab lost the Vial A for sample P026-SS008-1824-01, therefore lab was not able to do the reanalysis of this sample for failing internal standard and reported only vial B run as final data. No corrective action required for failing MS/MSD in internal standard.

The Retention Times were acceptable for all samples.

The MS {K2719-02MS} with File ID: VW010392.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[276%], 1,2,4-Trichlorobenzene[31%], 1,2-Dibromo-3-Chloropropane[188%], 1,2-Dichloroethane[141%], 2-Hexanone[23%], Acetone[152%], Bromochloromethane[153%], Bromomethane[40%], cis-1,3-Dichloropropene[31%], Methyl tert-butyl Ether[165%], Methylcyclohexane[38%], Styrene[42%] and t-1,3-Dichloropropene[32%]

.

The MSD {K2719-03MSD} with File ID: VW010393.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[335%], 1,1-Dichloroethane[147%], 1,2,4-Trichlorobenzene[35%], 1,2-Dibromo-3-Chloropropane[229%], 1,2-Dichloroethane[159%], 2-Hexanone[51%], Acetone[172%], Bromochloromethane[141%], Bromomethane[44%], Chloroethane[165%], Chloroform[135%], cis-1,3-Dichloropropene[31%], Isopropylbenzene[153%], m/p-Xylenes[56%], Methyl tert-butyl Ether[188%], Methylcyclohexane[45%], Styrene[34%], t-1,3-Dichloropropene[35%] and Vinyl chloride[147%] .

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The RPD for {K2719-03MSD} with File ID: VW010393.D met criteria except for 2-Butanone[25%], 2-Hexanone[75%], 4-Methyl-2-Pentanone[65%], Chloromethane[25%] and m/p-Xylenes[41%] .
Due to surrogate and the internal standard failure the results for MS/MSD and the RPD are excessively high. No further reanalysis was performed for the MS/MSD since no corrective action is required.

The MS {K2721-02MS} with File ID: VX009385.D recoveries met the requirements for all compounds except for romomethane [40%],

The RPD for {K2721-03MSD} with File ID: VX009386.D met criteria except for Bromomethane[34%] .

The Blank Spike for {VD0511SBS01} with File ID: VD062230.D met requirements for all samples except for 1,2,3-Trichlorobenzene[135%], 1,3-Dichlorobenzene[121%]

.The Blank Spike for {VF0510SBS02} with File ID: VF062435.D met requirements for all samples except for Carbon Tetrachloride [129%], Chloroform[127%] .

The Blank Spike for {VF0511SBS01} with File ID: VF062454.D met requirements for all samples except for 1,1,1-Trichloroethane[129%], Carbon Tetrachloride[151%], Chloroform[123%] and cis-1,3-Dichloropropene[123%]

.The Blank Spike for {VF0512SBS01} with File ID: VF062497.D met requirements for all samples except for 1,1,1-Trichloroethane[127%], Carbon Tetrachloride[146%], cis-1,3-Dichloropropene [123%],.The associate samples have no positive hit for these compounds. Therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate is passing on linear regression.

The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82F050219S.M) for Bromomethane, Methyl Acetate and Carbon Tetrachloride these compounds are passing on linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 82W050919W.M) for Dichlorodifluoromethane this compound is passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 82X042919W.M) for Bromochloromethane, this compound is passing on Linear regression.

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The Continuous Calibration File ID VD062228.D met the requirements except for 1,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene and Bromomethane .

The Continuous Calibration File ID VD062273.D met the requirements except for 1,2,3-Trichlorobenzene,Bromomethane and Chloroethane

.

The Continuous Calibration File ID VF062452.D met the requirements except for Acetone and Carbon Tetrachloride.

The Continuous Calibration File ID VF062495.D met the requirements except for Carbon Tetrachloride

.The Continuous Calibration File ID VW010376.D met the requirements except for 1,2,4-Trichlorobenzene, Isopropylbenzene, o-Xylene and Styrene .The associate samples have no positive hit for above any compounds, therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC water analysis were not provided with this set of samples therefore lab used from another project.
Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15/20% for the Initial Calibration curve for SW-846 analysis.

Calculation for water sample:

$$\text{Concentration in ug/L} = \frac{(Ax)\,(Is)\,(DF)}{(Ais)\,(RRF)\,(Vo)}$$

Where,
Ax = Area of the characteristic ion (EICP) for the compound to be measured.
Ais = Area of the characteristic ion (EICP) for the internal standard.
Is = Amount of internal standard added in ng.
RRF = Mean Relative Response Factor from the initial calibration standard.
Vo = Total volume of water purged, in mL.
DF = Dilution Factor.

Soil Calculation

$$\text{Concentration in ug/Kg dry Weight basis)} \frac{(A_x)(I_s)(D_f)}{(Ais)\,(RRF)(Ws)(D)}$$

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Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in Nano grams (ng)
RRF = Relative response factor of the calibration standard.
Df = Dilution factor
Ws= Weight of sample

$$D = \frac{100 - \%moisture}{100}$$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Summary at 1:37 pm, May 15, 2019

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2719

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/15/2019

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Summary at 1:36 pm, May 15, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57.5
Sample Wt/Vol:	3.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010390.D	1		05/11/19 19:28	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3	U	3	16.6	ug/Kg
74-87-3	Chloromethane	5.9	U	5.9	16.6	ug/Kg
75-01-4	Vinyl Chloride	3.7	U	3.7	16.6	ug/Kg
74-83-9	Bromomethane	1.3	U	1.3	16.6	ug/Kg
75-00-3	Chloroethane	1.9	U	1.9	16.6	ug/Kg
75-69-4	Trichlorofluoromethane	2.1	U	2.1	16.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	2.7	16.6	ug/Kg
75-35-4	1,1-Dichloroethene	3.3	U	3.3	16.6	ug/Kg
67-64-1	Acetone	240		25.4	82.9	ug/Kg
75-15-0	Carbon Disulfide	3.5	U	3.5	16.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.6	U	4.6	16.6	ug/Kg
79-20-9	Methyl Acetate	9.3	U	9.3	16.6	ug/Kg
75-09-2	Methylene Chloride	59.3		17.2	33.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.2	U	4.2	16.6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	3	16.6	ug/Kg
110-82-7	Cyclohexane	6	U	6	16.6	ug/Kg
78-93-3	2-Butanone	22.1	U	22.1	82.9	ug/Kg
56-23-5	Carbon Tetrachloride	2.7	U	2.7	16.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.3	U	3.3	16.6	ug/Kg
74-97-5	Bromochloromethane	4	U	4	16.6	ug/Kg
67-66-3	Chloroform	2.9	U	2.9	16.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.5	U	3.5	16.6	ug/Kg
108-87-2	Methylcyclohexane	3.9	U	3.9	16.6	ug/Kg
71-43-2	Benzene	2.8	U	2.8	16.6	ug/Kg
107-06-2	1,2-Dichloroethane	4	U	4	16.6	ug/Kg
79-01-6	Trichloroethene	3.1	U	3.1	16.6	ug/Kg
78-87-5	1,2-Dichloropropane	4.1	U	4.1	16.6	ug/Kg
75-27-4	Bromodichloromethane	3.3	U	3.3	16.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	18.5	U	18.5	82.9	ug/Kg
108-88-3	Toluene	5.2	J	3.2	16.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.3	U	3.3	16.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.5	U	3.5	16.6	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57.5
Sample Wt/Vol:	3.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010390.D	1		05/11/19 19:28	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.7	U J	4.7	16.6	ug/Kg
591-78-6	2-Hexanone	24.4	U	24.4	82.9	ug/Kg
124-48-1	Dibromochloromethane	4.3	U	4.3	16.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.3	U	4.3	16.6	ug/Kg
127-18-4	Tetrachloroethene	2.3	U	2.3	16.6	ug/Kg
108-90-7	Chlorobenzene	2.6	U	2.6	16.6	ug/Kg
100-41-4	Ethyl Benzene	2.8	U	2.8	16.6	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	5.5	33.1	ug/Kg
95-47-6	o-Xylene	3.6	U	3.6	16.6	ug/Kg
100-42-5	Styrene	3.3	U	3.3	16.6	ug/Kg
75-25-2	Bromoform	10.9	U	10.9	16.6	ug/Kg
98-82-8	Isopropylbenzene	2.9	~~U~~ R	2.9	16.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	3.6	16.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.5	U	3.5	16.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.5	U	3.5	16.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.2	U	4.2	16.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	11	U	11	16.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.7	U	3.7	16.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.2	U	4.2	16.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	91	*	56 - 120	182%	SPK: 50
1868-53-7	Dibromofluoromethane	78	*	57 - 135	156%	SPK: 50
2037-26-5	Toluene-d8	31.4	*	67 - 123	63%	SPK: 50
460-00-4	4-Bromofluorobenzene	17.9		33 - 141	36%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	771107	7.95			
540-36-3	1,4-Difluorobenzene	1355600	8.84			
3114-55-4	Chlorobenzene-d5	639388	11.63 <50%			
3855-82-1	1,4-Dichlorobenzene-d4	125607	13.56 <20%			
TENTATIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	28.1	J N		1.96	ug/Kg
60-29-7	Diethyl Ether	10.8	J		3.68	ug/Kg

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57.5
Sample Wt/Vol:	3.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010390.D	1		05/11/19 19:28	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2719
Lab Sample ID:	K2719-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	55
Sample Wt/Vol:	4.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010391.D	1		05/11/19 19:57	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.5	U	2.5	13.6	ug/Kg
74-87-3	Chloromethane	4.9	U	4.9	13.6	ug/Kg
75-01-4	Vinyl Chloride	3	U	3	13.6	ug/Kg
74-83-9	Bromomethane	1	U	1	13.6	ug/Kg
75-00-3	Chloroethane	1.6	U	1.6	13.6	ug/Kg
75-69-4	Trichlorofluoromethane	1.8	U	1.8	13.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.2	U	2.2	13.6	ug/Kg
75-35-4	1,1-Dichloroethene	2.7	U	2.7	13.6	ug/Kg
67-64-1	Acetone	220		20.9	68.1	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	2.9	13.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.8	U	3.8	13.6	ug/Kg
79-20-9	Methyl Acetate	7.7	U	7.7	13.6	ug/Kg
75-09-2	Methylene Chloride	47.9		14.1	27.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.4	U	3.4	13.6	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	2.5	13.6	ug/Kg
110-82-7	Cyclohexane	4.9	U	4.9	13.6	ug/Kg
78-93-3	2-Butanone	22.2	J	18.2	68.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.2	U	2.2	13.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.7	U	2.7	13.6	ug/Kg
74-97-5	Bromochloromethane	3.2	U	3.2	13.6	ug/Kg
67-66-3	Chloroform	2.4	U	2.4	13.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	2.9	13.6	ug/Kg
108-87-2	Methylcyclohexane	3.2	U	3.2	13.6	ug/Kg
71-43-2	Benzene	2.3	U	2.3	13.6	ug/Kg
107-06-2	1,2-Dichloroethane	3.3	U	3.3	13.6	ug/Kg
79-01-6	Trichloroethene	2.5	U	2.5	13.6	ug/Kg
78-87-5	1,2-Dichloropropane	3.4	U	3.4	13.6	ug/Kg
75-27-4	Bromodichloromethane	2.7	U	2.7	13.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.2	U	15.2	68.1	ug/Kg
108-88-3	Toluene	9	J	2.7	13.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.7	U	2.7	13.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.9	U	2.9	13.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2719
Lab Sample ID:	K2719-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	55
Sample Wt/Vol:	4.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010391.D	1		05/11/19 19:57	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	3.9	U J	3.9	13.6	ug/Kg
591-78-6	2-Hexanone	20.1	U	20.1	68.1	ug/Kg
124-48-1	Dibromochloromethane	3.6	U	3.6	13.6	ug/Kg
106-93-4	1,2-Dibromoethane	3.5	U	3.5	13.6	ug/Kg
127-18-4	Tetrachloroethene	1.9	U	1.9	13.6	ug/Kg
108-90-7	Chlorobenzene	2.1	U	2.1	13.6	ug/Kg
100-41-4	Ethyl Benzene	2.3	U	2.3	13.6	ug/Kg
179601-23-1	m/p-Xylenes	4.5	U	4.5	27.2	ug/Kg
95-47-6	o-Xylene	3	U	3	13.6	ug/Kg
100-42-5	Styrene	2.7	U	2.7	13.6	ug/Kg
75-25-2	Bromoform	8.9	U	8.9	13.6	ug/Kg
98-82-8	Isopropylbenzene	2.4	U R	2.4	13.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	3	13.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	2.9	13.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	2.9	13.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.5	U	3.5	13.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	9.1	U	9.1	13.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	3	13.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.5	U	3.5	13.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	87.4	*	56 - 120	175%	SPK: 50
1868-53-7	Dibromofluoromethane	74.5	*	57 - 135	149%	SPK: 50
2037-26-5	Toluene-d8	27.4	*	67 - 123	55%	SPK: 50
460-00-4	4-Bromofluorobenzene	17.9		33 - 141	36%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	817649	7.95			
540-36-3	1,4-Difluorobenzene	1465550	8.84			
3114-55-4	Chlorobenzene-d5	636080	11.63 <50%			
3855-82-1	1,4-Dichlorobenzene-d4	136360	13.56 <20%			
TENTATIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	25.6	J N		1.95	ug/Kg
60-29-7	Diethyl Ether	8.7	J		3.68	ug/Kg

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2719
Lab Sample ID:	K2719-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	55
Sample Wt/Vol:	4.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010391.D	1		05/11/19 19:57	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-02RE	SDG No.:	K2719
Lab Sample ID:	K2719-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	55
Sample Wt/Vol:	3.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062278.D	1		05/13/19 01:27	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.9	U	2.9	16.1	ug/Kg
74-87-3	Chloromethane	5.8	U	5.8	16.1	ug/Kg
75-01-4	Vinyl Chloride	3.6	U	3.6	16.1	ug/Kg
74-83-9	Bromomethane	1.2	U	1.2	16.1	ug/Kg
75-00-3	Chloroethane	1.9	U	1.9	16.1	ug/Kg
75-69-4	Trichlorofluoromethane	2.1	U	2.1	16.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.6	U	2.6	16.1	ug/Kg
75-35-4	1,1-Dichloroethene	3.2	U	3.2	16.1	ug/Kg
67-64-1	Acetone	260		24.8	80.7	ug/Kg
75-15-0	Carbon Disulfide	3.5	U	3.5	16.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.5	U	4.5	16.1	ug/Kg
79-20-9	Methyl Acetate	9.1	U	9.1	16.1	ug/Kg
75-09-2	Methylene Chloride	16.8	U	16.8	32.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.1	U	4.1	16.1	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	2.9	16.1	ug/Kg
110-82-7	Cyclohexane	5.8	U	5.8	16.1	ug/Kg
78-93-3	2-Butanone	21.5	U	21.5	80.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.7	U	2.7	16.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.2	U	3.2	16.1	ug/Kg
74-97-5	Bromochloromethane	3.9	U	3.9	16.1	ug/Kg
67-66-3	Chloroform	2.8	U	2.8	16.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.4	U	3.4	16.1	ug/Kg
108-87-2	Methylcyclohexane	3.8	U	3.8	16.1	ug/Kg
71-43-2	Benzene	2.7	U	2.7	16.1	ug/Kg
107-06-2	1,2-Dichloroethane	3.9	U	3.9	16.1	ug/Kg
79-01-6	Trichloroethene	3	U	3	16.1	ug/Kg
78-87-5	1,2-Dichloropropane	4	U	4	16.1	ug/Kg
75-27-4	Bromodichloromethane	3.2	U	3.2	16.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	18.1	U	18.1	80.7	ug/Kg
108-88-3	Toluene	3.2	U	3.2	16.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.3	U	3.3	16.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.5	U	3.5	16.1	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-02RE	SDG No.:	K2719
Lab Sample ID:	K2719-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	55
Sample Wt/Vol:	3.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062278.D	1		05/13/19 01:27	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4.6	U J	4.6	16.1	ug/Kg
591-78-6	2-Hexanone	23.8	U	23.8	80.7	ug/Kg
124-48-1	Dibromochloromethane	4.2	U	4.2	16.1	ug/Kg
106-93-4	1,2-Dibromoethane	4.2	U	4.2	16.1	ug/Kg
127-18-4	Tetrachloroethene	2.2	U	2.2	16.1	ug/Kg
108-90-7	Chlorobenzene	2.5	U	2.5	16.1	ug/Kg
100-41-4	Ethyl Benzene	2.8	U	2.8	16.1	ug/Kg
179601-23-1	m/p-Xylenes	5.3	U	5.3	32.3	ug/Kg
95-47-6	o-Xylene	3.5	U	3.5	16.1	ug/Kg
100-42-5	Styrene	3.2	U	3.2	16.1	ug/Kg
75-25-2	Bromoform	10.6	U	10.6	16.1	ug/Kg
98-82-8	Isopropylbenzene	2.8	U R	2.8	16.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.5	U	3.5	16.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.4	U	3.4	16.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.4	U	3.4	16.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.1	U	4.1	16.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	10.7	U	10.7	16.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.6	U	3.6	16.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.1	U	4.1	16.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	33.1	*	67 - 123	66%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.1	*	33 - 141	32%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	460304	7.07			
540-36-3	1,4-Difluorobenzene	587402	8.24			
3114-55-4	Chlorobenzene-d5	306784	12.38	<50%		
3855-82-1	1,4-Dichlorobenzene-d4	66623	14.53	<20%		

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0206-02RE	SDG No.:	K2719
Lab Sample ID:	K2719-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	55
Sample Wt/Vol:	3.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062278.D	1		05/13/19 01:27	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.5
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062248.D	1		05/11/19 20:12	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	13.5	J	8.4	27.5	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.5
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062248.D	1		05/11/19 20:12	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.5	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.5	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.7	*	56 - 120	135%	SPK: 50
1868-53-7	Dibromofluoromethane	57.1		57 - 135	114%	SPK: 50
2037-26-5	Toluene-d8	39		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		33 - 141	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	427521	7.05	< 50%		
540-36-3	1,4-Difluorobenzene	645693	8.22			
3114-55-4	Chlorobenzene-d5	462577	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	204728	14.52	< 50%		

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.5
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062248.D	1		05/11/19 20:12	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.5
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062249.D	1		05/11/19 20:40	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.8	U	8.8	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.5
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062249.D	1		05/11/19 20:40	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U R	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	UØ	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	UØ	1.4	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	150	*	56 - 120	308%	SPK: 50
1868-53-7	Dibromofluoromethane	69.6	*	57 - 135	139%	SPK: 50
2037-26-5	Toluene-d8	39		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		33 - 141	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59195	7.05			
540-36-3	1,4-Difluorobenzene	116472	8.22			
3114-55-4	Chlorobenzene-d5	102801	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	59255	14.52			

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5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.5
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062249.D	1		05/11/19 20:40	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.5
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062250.D	1		05/11/19 21:07	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U R	0.9	4.9	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	4.9	ug/Kg
67-64-1	Acetone	7.6	U	7.6	24.7	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.9	U	0.9	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.83	U	0.83	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.7	ug/Kg
108-88-3	Toluene	0.96	U	0.96	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.99	U	0.99	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.5
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062250.D	1		05/11/19 21:07	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.7	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	4.9	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.9	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.98	U	0.98	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	UØ	1.1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UØ	1.3	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	140	*	56 - 120	277%	SPK: 50
1868-53-7	Dibromofluoromethane	62.8		57 - 135	126%	SPK: 50
2037-26-5	Toluene-d8	41.2		67 - 123	82%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		33 - 141	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	72301	7.05			
540-36-3	1,4-Difluorobenzene	145133	8.22			
3114-55-4	Chlorobenzene-d5	137726	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	76266	14.51			

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5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.5
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062250.D	1		05/11/19 21:07	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.4
Sample Wt/Vol:	5.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010380.D	1		05/11/19 14:44	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.89	U J	0.89	4.9	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.63	U	0.63	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
67-64-1	Acetone	51	J+	7.5	24.4	ug/Kg
75-15-0	Carbon Disulfide	1	U J	1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U J	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	J J+	2.7	4.9	ug/Kg
75-09-2	Methylene Chloride	11.5	J+	5.1	9.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U J	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.5	U	6.5	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.96	U	0.96	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.82	U	0.82	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.91	U	0.91	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.4	ug/Kg
108-88-3	Toluene	0.95	U	0.95	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.98	U	0.98	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.4
Sample Wt/Vol:	5.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010380.D	1		05/11/19 14:44	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.2	U	7.2	24.4	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	4.9	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.83	U	0.83	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.8	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.97	U	0.97	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene 1.8	0.85	U J	0.85	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane 2.2	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene 2.2	1	U	1	4.9	ug/Kg
106-46-7 *	1,4-Dichlorobenzene 2.2	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene 2.6	1.2	U	1.2	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane 6.8	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene 2.3	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene 2.6	1.2	U	1.2	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	160	*	56 - 120	313%	SPK: 50
1868-53-7	Dibromofluoromethane	100	*	57 - 135	204%	SPK: 50
2037-26-5	Toluene-d8	26.4	*	67 - 123	53%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		33 - 141	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	358207	7.95			
540-36-3	1,4-Difluorobenzene	703615	8.84	<50%		
3114-55-4	Chlorobenzene-d5	493472	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	156821	13.56	<20%		
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	17.3	J		5.18	ug/Kg

* Results reported from the re-analysis.

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.4
Sample Wt/Vol:	5.98 Units: g	Final Vol:	5000 ul
Soil Aliquot Vol:	ul	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010380.D	1		05/11/19 14:44	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.4
Sample Wt/Vol:	2.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062279.D	1		05/13/19 01:54	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.9	U	1.9	10.2	ug/Kg
74-87-3	Chloromethane	3.6	U	3.6	10.2	ug/Kg
75-01-4	Vinyl Chloride	2.3	U	2.3	10.2	ug/Kg
74-83-9	Bromomethane	0.77	U	0.77	10.2	ug/Kg
75-00-3	Chloroethane	1.2	U	1.2	10.2	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	1.3	10.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.6	U	1.6	10.2	ug/Kg
75-35-4	1,1-Dichloroethene	2	U	2	10.2	ug/Kg
67-64-1	Acetone	15.7	U	15.7	51.1	ug/Kg
75-15-0	Carbon Disulfide	2.2	U	2.2	10.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.8	U	2.8	10.2	ug/Kg
79-20-9	Methyl Acetate	5.7	U	5.7	10.2	ug/Kg
75-09-2	Methylene Chloride	10.6	U	10.6	20.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.6	U	2.6	10.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.9	U	1.9	10.2	ug/Kg
110-82-7	Cyclohexane	3.7	U	3.7	10.2	ug/Kg
78-93-3	2-Butanone	13.6	U	13.6	51.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.7	U	1.7	10.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2	U	2	10.2	ug/Kg
74-97-5	Bromochloromethane	2.4	U	2.4	10.2	ug/Kg
67-66-3	Chloroform	1.8	U	1.8	10.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.2	U	2.2	10.2	ug/Kg
108-87-2	Methylcyclohexane	2.4	U	2.4	10.2	ug/Kg
71-43-2	Benzene	1.7	U	1.7	10.2	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	2.5	10.2	ug/Kg
79-01-6	Trichloroethene	1.9	U	1.9	10.2	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	2.5	10.2	ug/Kg
75-27-4	Bromodichloromethane	2	U	2	10.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.4	U	11.4	51.1	ug/Kg
108-88-3	Toluene	2	U	2	10.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.1	U	2.1	10.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.2	U	2.2	10.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.4
Sample Wt/Vol:	2.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	ul.	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062279.D	1		05/13/19 01:54	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.9	U J	2.9	10.2	ug/Kg
591-78-6	2-Hexanone	15.1	U	15.1	51.1	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	2.7	10.2	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	2.7	10.2	ug/Kg
127-18-4	Tetrachloroethene	1.4	U	1.4	10.2	ug/Kg
108-90-7	Chlorobenzene	1.6	U	1.6	10.2	ug/Kg
100-41-4	Ethyl Benzene	1.7	U	1.7	10.2	ug/Kg
179601-23-1	m/p-Xylenes	3.4	U	3.4	20.4	ug/Kg
95-47-6	o-Xylene	2.2	U	2.2	10.2	ug/Kg
100-42-5	Styrene	2	U	2	10.2	ug/Kg
75-25-2	Bromoform	6.7	U	6.7	10.2	ug/Kg
98-82-8	Isopropylbenzene	1.8	U	1.8	10.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.2	U	2.2	10.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	2.2	10.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.2	U	2.2	10.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.6	U	2.6	10.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.8	U	6.8	10.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.3	U	2.3	10.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.6	U	2.6	10.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	31.3	*	67 - 123	63%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.1		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	691282	7.06			
540-36-3	1,4-Difluorobenzene	931678	8.23			
3114-55-4	Chlorobenzene-d5	622137	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	256537	14.52			

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.4
Sample Wt/Vol:	2.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062279.D	1		05/13/19 01:54	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.3
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010381.D	1		05/11/19 15:12	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.38	U	0.38	5	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.8	U	0.8	5	ug/Kg
75-35-4	1,1-Dichloroethene	0.99	U	0.99	5	ug/Kg
67-64-1	Acetone	8.3	J UJ+	7.7	25	ug/Kg
75-15-0	Carbon Disulfide	1.1	U UJ	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U UJ	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	U UJ	2.8	5	ug/Kg
75-09-2	Methylene Chloride	12.9	UJ+	5.2	10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U UJ	1.3	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.7	U	6.7	25	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.99	U	0.99	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.93	U	0.93	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	5	ug/Kg
75-27-4	Bromodichloromethane	0.99	U	0.99	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.6	U	5.6	25	ug/Kg
108-88-3	Toluene	0.97	U	0.97	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.3
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010381.D	1		05/11/19 15:12	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.4	U	7.4	25	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	5	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	5	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	5	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	0.99	U	0.99	5	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5	ug/Kg
98-82-8	Isopropylbenzene	0.87	U R	0.87	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110	*	56 - 120	220%	SPK: 50
1868-53-7	Dibromofluoromethane	92.6	*	57 - 135	185%	SPK: 50
2037-26-5	Toluene-d8	35.3		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.8		33 - 141	44%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	597655	7.95			
540-36-3	1,4-Difluorobenzene	1007380	8.84			
3114-55-4	Chlorobenzene-d5	547219	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	120612	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown10.85	6.7	J		10.85	ug/Kg
91-20-3	Naphthalene	4.4	J		15.38	ug/Kg

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.3
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010381.D	1		05/11/19 15:12	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.3
Sample Wt/Vol:	5.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062280.D	1		05/13/19 02:22	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U	0.9	4.9	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U UJ	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.57	U UJ	0.57	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	4.9	ug/Kg
67-64-1	Acetone	* ~~7.6~~ 8.3	~~U~~ J+	7.6	24.7	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	* 12.9 ~~7.7~~	~~J~~ J+	5.1	9.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.9	U	0.9	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.83	U	0.83	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.7	ug/Kg
108-88-3	Toluene	0.96	U	0.96	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.99	U	0.99	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	4.9	ug/Kg

* Results reported from the original analysis. — 5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.3
Sample Wt/Vol:	5.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062280.D	1		05/13/19 02:22	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.7	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	4.9	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.9	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.98	U	0.98	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.7		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		57 - 135	92%	SPK: 50
2037-26-5	Toluene-d8	34.8		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.1		33 - 141	46%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	526484	7.06			
540-36-3	1,4-Difluorobenzene	686119	8.23			
3114-55-4	Chlorobenzene-d5	404224	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	118703	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.3
Sample Wt/Vol:	5.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062280.D	1		05/13/19 02:22	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	3.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062281.D	1		05/13/19 02:50	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	7.3	ug/Kg
74-87-3	Chloromethane	2.6	U	2.6	7.3	ug/Kg
75-01-4	Vinyl Chloride	1.6	U	1.6	7.3	ug/Kg
74-83-9	Bromomethane	0.55	U J	0.55	7.3	ug/Kg
75-00-3	Chloroethane	0.84	U J	0.84	7.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.95	U	0.95	7.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.2	U	1.2	7.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	1.5	7.3	ug/Kg
67-64-1	Acetone	11.3	U	11.3	36.7	ug/Kg
75-15-0	Carbon Disulfide	1.6	U	1.6	7.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2	U	2	7.3	ug/Kg
79-20-9	Methyl Acetate	4.1	U	4.1	7.3	ug/Kg
75-09-2	Methylene Chloride	7.6	U	7.6	14.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.8	U	1.8	7.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	7.3	ug/Kg
110-82-7	Cyclohexane	2.6	U	2.6	7.3	ug/Kg
78-93-3	2-Butanone	9.8	U	9.8	36.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	1.2	7.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	7.3	ug/Kg
74-97-5	Bromochloromethane	1.7	U	1.7	7.3	ug/Kg
67-66-3	Chloroform	1.3	U	1.3	7.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.6	U	1.6	7.3	ug/Kg
108-87-2	Methylcyclohexane	1.7	U	1.7	7.3	ug/Kg
71-43-2	Benzene	1.2	U	1.2	7.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.8	U	1.8	7.3	ug/Kg
79-01-6	Trichloroethene	1.4	U	1.4	7.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.8	U	1.8	7.3	ug/Kg
75-27-4	Bromodichloromethane	1.5	U	1.5	7.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.2	U	8.2	36.7	ug/Kg
108-88-3	Toluene	1.4	U	1.4	7.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5	U	1.5	7.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.6	U	1.6	7.3	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	3.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062281.D	1		05/13/19 02:50	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.1	U	2.1	7.3	ug/Kg
591-78-6	2-Hexanone	10.8	U	10.8	36.7	ug/Kg
124-48-1	Dibromochloromethane	1.9	U	1.9	7.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.9	U	1.9	7.3	ug/Kg
127-18-4	Tetrachloroethene	1	U	1	7.3	ug/Kg
108-90-7	Chlorobenzene	1.2	U	1.2	7.3	ug/Kg
100-41-4	Ethyl Benzene	1.3	U	1.3	7.3	ug/Kg
179601-23-1	m/p-Xylenes	2.4	U	2.4	14.7	ug/Kg
95-47-6	o-Xylene	1.6	U	1.6	7.3	ug/Kg
100-42-5	Styrene	1.5	U	1.5	7.3	ug/Kg
75-25-2	Bromoform	4.8	U	4.8	7.3	ug/Kg
98-82-8	Isopropylbenzene	1.3	U	1.3	7.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	1.6	7.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.6	U	1.6	7.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	7.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.9	U	1.9	7.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.9	U	4.9	7.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	7.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.9	U J	1.9	7.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.7		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	45		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	36.6		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.1		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	618464	7.06			
540-36-3	1,4-Difluorobenzene	847832	8.23			
3114-55-4	Chlorobenzene-d5	627350	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	252215	14.52			

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	3.81 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062281.D	1		05/13/19 02:50	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.7
Sample Wt/Vol:	6.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062282.D	1		05/13/19 03:18	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	4.3	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.3	ug/Kg
75-01-4	Vinyl Chloride	0.95	U	0.95	4.3	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	4.3	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	4.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.55	U	0.55	4.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.68	U	0.68	4.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.3	ug/Kg
67-64-1	Acetone	6.5	U	6.5	21.3	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.3	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.3	ug/Kg
75-09-2	Methylene Chloride	4.4	U	4.4	8.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	4.3	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.3	ug/Kg
78-93-3	2-Butanone	5.7	U	5.7	21.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.7	U	0.7	4.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.84	U	0.84	4.3	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.3	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.9	U	0.9	4.3	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.3	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.3	ug/Kg
79-01-6	Trichloroethene	0.79	U	0.79	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.3	ug/Kg
75-27-4	Bromodichloromethane	0.85	U	0.85	4.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.8	U	4.8	21.3	ug/Kg
108-88-3	Toluene	0.83	U	0.83	4.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.86	U	0.86	4.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.91	U	0.91	4.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.7
Sample Wt/Vol:	6.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062282.D	1		05/13/19 03:18	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.3	ug/Kg
591-78-6	2-Hexanone	6.3	U	6.3	21.3	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.3	ug/Kg
127-18-4	Tetrachloroethene	0.59	U	0.59	4.3	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	4.3	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	4.3	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.5	ug/Kg
95-47-6	o-Xylene	0.93	U	0.93	4.3	ug/Kg
100-42-5	Styrene	0.84	U	0.84	4.3	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.3	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	4.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.91	U	0.91	4.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.9	U	0.9	4.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.95	U	0.95	4.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U J	1.1	4.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.9		56 - 120	88%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	38.4		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	34		33 - 141	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	642752	7.07			
540-36-3	1,4-Difluorobenzene	844683	8.24			
3114-55-4	Chlorobenzene-d5	631989	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	251401	14.53			

5/28/19

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.7
Sample Wt/Vol:	6.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062282.D	1		05/13/19 03:18	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.9
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062245.D	1		05/11/19 18:49	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.35	U J	0.35	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	U	0.6	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
67-64-1	Acetone	7.2	U	7.2	23.4	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.92	U	0.92	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.4	ug/Kg
108-88-3	Toluene	0.91	U	0.91	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.9
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062245.D	1		05/11/19 18:49	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.4	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.4	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.93	U	0.93	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.81	U	0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U~~Q~~	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U J	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U~~Q~~ J	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		56 - 120	115%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		57 - 135	109%	SPK: 50
2037-26-5	Toluene-d8	43.1		67 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.6		33 - 141	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	635003	7.05			
540-36-3	1,4-Difluorobenzene	893101	8.22			
3114-55-4	Chlorobenzene-d5	615794	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	257144	14.52			

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.9
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062245.D	1		05/11/19 18:49	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.7
Sample Wt/Vol:	4.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010384.D	1		05/11/19 16:38	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	1.4	7.6	ug/Kg
74-87-3	Chloromethane	2.7	U	2.7	7.6	ug/Kg
75-01-4	Vinyl Chloride	1.7	U	1.7	7.6	ug/Kg
74-83-9	Bromomethane	0.57	U	0.57	7.6	ug/Kg
75-00-3	Chloroethane	0.87	U	0.87	7.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	7.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.2	U	1.2	7.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	1.5	7.6	ug/Kg
67-64-1	Acetone	330	J	11.6	37.8	ug/Kg
75-15-0	Carbon Disulfide	1.6	U	1.6	7.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.1	U	2.1	7.6	ug/Kg
79-20-9	Methyl Acetate	10.7	J	4.3	7.6	ug/Kg
75-09-2	Methylene Chloride	11.4	JB	7.9	15.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.9	U	1.9	7.6	ug/Kg
75-34-3	1,1-Dichloroethane	1.4	U	1.4	7.6	ug/Kg
110-82-7	Cyclohexane	2.7	U	2.7	7.6	ug/Kg
78-93-3	2-Butanone	26	JB	10.1	37.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	1.2	7.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.5	U	1.5	7.6	ug/Kg
74-97-5	Bromochloromethane	1.8	U	1.8	7.6	ug/Kg
67-66-3	Chloroform	1.3	U	1.3	7.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.6	U	1.6	7.6	ug/Kg
108-87-2	Methylcyclohexane	1.8	U	1.8	7.6	ug/Kg
71-43-2	Benzene	1.3	U	1.3	7.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.8	U	1.8	7.6	ug/Kg
79-01-6	Trichloroethene	1.4	U	1.4	7.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.9	U	1.9	7.6	ug/Kg
75-27-4	Bromodichloromethane	1.5	U	1.5	7.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.5	U	8.5	37.8	ug/Kg
108-88-3	Toluene	1.5	U	1.5	7.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5	U	1.5	7.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.6	U	1.6	7.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.7
Sample Wt/Vol:	4.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010384.D	1		05/11/19 16:38	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.2	U	2.2	7.6	ug/Kg
591-78-6	2-Hexanone	11.2	U	11.2	37.8	ug/Kg
124-48-1	Dibromochloromethane	2	U	2	7.6	ug/Kg
106-93-4	1,2-Dibromoethane	2	U	2	7.6	ug/Kg
127-18-4	Tetrachloroethene	1.1	U	1.1	7.6	ug/Kg
108-90-7	Chlorobenzene	1.2	U	1.2	7.6	ug/Kg
100-41-4	Ethyl Benzene	1.3	U	1.3	7.6	ug/Kg
179601-23-1	m/p-Xylenes	2.5	U	2.5	15.1	ug/Kg
95-47-6	o-Xylene	1.7	U	1.7	7.6	ug/Kg
100-42-5	Styrene	1.5	U	1.5	7.6	ug/Kg
75-25-2	Bromoform	5	U	5	7.6	ug/Kg
98-82-8	Isopropylbenzene 1.2	1.3	U	1.3	7.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane 1.5	1.6	U	1.6	7.6	ug/Kg
541-73-1	1,3-Dichlorobenzene 1.4	1.6	U	1.6	7.6	ug/Kg
106-46-7	1,4-Dichlorobenzene 1.4	1.6	U	1.6	7.6	ug/Kg
95-50-1	1,2-Dichlorobenzene 1.7	1.9	U	1.9	7.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane 4.4	5	U	5	7.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene 1.5	1.7	U	1.7	7.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene 1.7	1.9	U	1.9	7.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	96.7	*	56 - 120	193%	SPK: 50
1868-53-7	Dibromofluoromethane	79	*	57 - 135	158%	SPK: 50
2037-26-5	Toluene-d8	43.9		67 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	24		33 - 141	48%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	703225	7.95			
540-36-3	1,4-Difluorobenzene	1210240	8.84			
3114-55-4	Chlorobenzene-d5	713808	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	162749	13.56 <20%			
TENTATIVE IDENTIFIED COMPOUNDS						
000075-18-3	Dimethyl sulfide	44.3	J N		4.19	ug/Kg
010152-76-8	~~Sulfide, allyl-methyl~~ Unknown	19.6	J		9.07	ug/Kg

*Results transferred from reanalysis. 5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.7
Sample Wt/Vol:	4.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010384.D	1		05/11/19 16:38	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.7
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062284.D	1		05/13/19 04:13	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.7	ug/Kg
74-87-3	Chloromethane	2.4	U	2.4	6.7	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.7	ug/Kg
74-83-9	Bromomethane	0.5	U	0.5	6.7	ug/Kg
75-00-3	Chloroethane	0.77	U	0.77	6.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.86	U	0.86	6.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
67-64-1	Acetone	65.6		10.2	33.4	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.7	ug/Kg
79-20-9	Methyl Acetate	3.8	U	3.8	6.7	ug/Kg
75-09-2	Methylene Chloride	6.9	U	6.9	13.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.7	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.7	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.7	ug/Kg
78-93-3	2-Butanone	8.9	U	8.9	33.4	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.7	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.7	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.7	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U	1.6	6.7	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	6.7	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.5	U	7.5	33.4	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.7
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062284.D	1		05/13/19 04:13	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U	1.9	6.7	ug/Kg
591-78-6	2-Hexanone	9.8	U	9.8	33.4	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.7	ug/Kg
127-18-4	Tetrachloroethene	0.93	U J	0.93	6.7	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.7	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.7	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.4	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.7	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.7	ug/Kg
75-25-2	Bromoform	4.4	U	4.4	6.7	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	4.4	6.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		56 - 120	111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		57 - 135	109%	SPK: 50
2037-26-5	Toluene-d8	42.8		67 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.6		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	448807	7.07			
540-36-3	1,4-Difluorobenzene	564082	8.23			
3114-55-4	Chlorobenzene-d5	354323	12.38	<50%		
3855-82-1	1,4-Dichlorobenzene-d4	106997	14.53			

5/22/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	27.7
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062284.D	1		05/13/19 04:13	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

DO not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010385.D	1		05/11/19 17:06	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.6	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.6	ug/Kg
75-00-3	Chloroethane	0.64	U	0.64	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	90.3	J+	8.6	27.9	ug/Kg
75-15-0	Carbon Disulfide	1.2	U R	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U R	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.1	U R	3.1	5.6	ug/Kg
75-09-2	Methylene Chloride	12.1	J+	5.8	11.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U R	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.96	U	0.96	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.94	U	0.94	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.6	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.9	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010385.D	1		05/11/19 17:06	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U R	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.2	U	8.2	27.9	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.6	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11.2	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	130	*	56 - 120	263%	SPK: 50
1868-53-7	Dibromofluoromethane	110	*	57 - 135	220%	SPK: 50
2037-26-5	Toluene-d8	34.8		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.4		33 - 141	49%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135573	7.95			
540-36-3	1,4-Difluorobenzene	215409	8.84			
3114-55-4	Chlorobenzene-d5	136401	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	29052	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
000075-18-3	Dimethyl sulfide	6.2	J		4.19	ug/Kg
	unknown14.07	6.7	J		14.07	ug/Kg

<20%

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010385.D	1		05/11/19 17:06	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	4.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062283.D	1		05/13/19 03:45	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.5	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.5	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.5	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	6.5	ug/Kg
75-00-3	Chloroethane	0.75	U	0.75	6.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.84	U	0.84	6.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.5	ug/Kg
67-64-1	Acetone	18.3	J	10	32.5	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.5	ug/Kg
79-20-9	Methyl Acetate	3.7	U	3.7	6.5	ug/Kg
75-09-2	Methylene Chloride	6.8	U	6.8	13	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.5	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.5	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.5	ug/Kg
78-93-3	2-Butanone	8.7	U	8.7	32.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.5	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.5	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.5	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.5	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U	1.6	6.5	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.5	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.3	U	7.3	32.5	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	4.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062283.D	1		05/13/19 03:45	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U	1.9	6.5	ug/Kg
591-78-6	2-Hexanone	9.6	U	9.6	32.5	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.5	ug/Kg
127-18-4	Tetrachloroethene	0.9	U	0.9	6.5	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.5	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.5	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.5	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.5	ug/Kg
75-25-2	Bromoform	4.3	U	4.3	6.5	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.3	U	4.3	6.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		56 - 120	90%	SPK: 50
1868-53-7	Dibromofluoromethane	40.8		57 - 135	82%	SPK: 50
2037-26-5	Toluene-d8	31.3	*	67 - 123	63%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.6		33 - 141	47%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	517476	7.07			
540-36-3	1,4-Difluorobenzene	707898	8.23			
3114-55-4	Chlorobenzene-d5	449322	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	137673	14.53			

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.6
Sample Wt/Vol:	4.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062283.D	1		05/13/19 03:45	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.2
Sample Wt/Vol:	3.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010386.D	1		05/11/19 17:34	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.7	U J	1.7	9.3	ug/Kg
74-87-3	Chloromethane	3.3	U	3.3	9.3	ug/Kg
75-01-4	Vinyl Chloride	2.1	U	2.1	9.3	ug/Kg
74-83-9	Bromomethane	0.7	U	0.7	9.3	ug/Kg
75-00-3	Chloroethane	1.1	U	1.1	9.3	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	1.2	9.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	9.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.8	U	1.8	9.3	ug/Kg
67-64-1	Acetone	20.7	J J+	14.3	46.6	ug/Kg
75-15-0	Carbon Disulfide	2	U	2	9.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.6	U	2.6	9.3	ug/Kg
79-20-9	Methyl Acetate	5.2	U	5.2	9.3	ug/Kg
75-09-2	Methylene Chloride	16.6	J J+	9.7	18.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.3	U J	2.3	9.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.7	U	1.7	9.3	ug/Kg
110-82-7	Cyclohexane	3.3	U	3.3	9.3	ug/Kg
78-93-3	2-Butanone	12.4	U	12.4	46.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.5	U	1.5	9.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.8	U	1.8	9.3	ug/Kg
74-97-5	Bromochloromethane	2.2	U	2.2	9.3	ug/Kg
67-66-3	Chloroform	1.6	U	1.6	9.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	2	U	2	9.3	ug/Kg
108-87-2	Methylcyclohexane	2.2	U	2.2	9.3	ug/Kg
71-43-2	Benzene	1.6	U	1.6	9.3	ug/Kg
107-06-2	1,2-Dichloroethane	2.2	U	2.2	9.3	ug/Kg
79-01-6	Trichloroethene	1.7	U	1.7	9.3	ug/Kg
78-87-5	1,2-Dichloropropane	2.3	U	2.3	9.3	ug/Kg
75-27-4	Bromodichloromethane	1.9	U	1.9	9.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.4	U	10.4	46.6	ug/Kg
108-88-3	Toluene	1.8	U	1.8	9.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.9	U	1.9	9.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2	U	2	9.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.2
Sample Wt/Vol:	3.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010386.D	1		05/11/19 17:34	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.7	U J	2.7	9.3	ug/Kg
591-78-6	2-Hexanone	13.8	U	13.8	46.6	ug/Kg
124-48-1	Dibromochloromethane	2.4	U	2.4	9.3	ug/Kg
106-93-4	1,2-Dibromoethane	2.4	U	2.4	9.3	ug/Kg
127-18-4	Tetrachloroethene	1.3	U	1.3	9.3	ug/Kg
108-90-7	Chlorobenzene	1.5	U	1.5	9.3	ug/Kg
100-41-4	Ethyl Benzene	1.6	U	1.6	9.3	ug/Kg
179601-23-1	m/p-Xylenes	3.1	U	3.1	18.6	ug/Kg
95-47-6	o-Xylene	2	U	2	9.3	ug/Kg
100-42-5	Styrene	1.8	U	1.8	9.3	ug/Kg
75-25-2	Bromoform	6.1	U	6.1	9.3	ug/Kg
98-82-8	Isopropylbenzene	1.6	U R	1.6	9.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2	U	2	9.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	2	U	2	9.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2	U	2	9.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.4	U	2.4	9.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	6.2	9.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.1	U	2.1	9.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.4	U	2.4	9.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110	*	56 - 120	213%	SPK: 50
1868-53-7	Dibromofluoromethane	98.2	*	57 - 135	196%	SPK: 50
2037-26-5	Toluene-d8	34.1		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	16	*	33 - 141	32%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	597378	7.95			
540-36-3	1,4-Difluorobenzene	946807	8.84			
3114-55-4	Chlorobenzene-d5	461374	11.63 <50%			
3855-82-1	1,4-Dichlorobenzene-d4	68275	13.56 <20%			
TENTATIVE IDENTIFIED COMPOUNDS						
013450-73-2	~~11H-Dibenzo[b,e][1,4]diazepin-11-o~~ unknown	12.1	J		14.08	ug/Kg
018127-01-0	~~Benzenepropanal, 4-(1,1-dimethylet~~ unknown	13.3	J		15.44	ug/Kg

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.2
Sample Wt/Vol:	3.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010386.D	1		05/11/19 17:34	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0612-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.2
Sample Wt/Vol:	3.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062285.D	1		05/13/19 04:41	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	1.5	8.3	ug/Kg
74-87-3	Chloromethane	3	U	3	8.3	ug/Kg
75-01-4	Vinyl Chloride	1.9	U	1.9	8.3	ug/Kg
74-83-9	Bromomethane	0.63	U J	0.63	8.3	ug/Kg
75-00-3	Chloroethane	0.96	U J	0.96	8.3	ug/Kg
75-69-4	Trichlorofluoromethane	1.1	U	1.1	8.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	1.3	8.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.7	U	1.7	8.3	ug/Kg
67-64-1	Acetone	*20.7 ~~12.8~~	~~U~~ J+	12.8	41.7	ug/Kg
75-15-0	Carbon Disulfide	1.8	U	1.8	8.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.3	U	2.3	8.3	ug/Kg
79-20-9	Methyl Acetate	4.7	U	4.7	8.3	ug/Kg
75-09-2	Methylene Chloride	*16.6 ~~8.7~~	~~U~~ J+	8.7	16.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.1	U	2.1	8.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.5	U	1.5	8.3	ug/Kg
110-82-7	Cyclohexane	3	U	3	8.3	ug/Kg
78-93-3	2-Butanone	11.1	U	11.1	41.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.4	U	1.4	8.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.6	U	1.6	8.3	ug/Kg
74-97-5	Bromochloromethane	2	U	2	8.3	ug/Kg
67-66-3	Chloroform	1.4	U	1.4	8.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.8	U	1.8	8.3	ug/Kg
108-87-2	Methylcyclohexane	2	U	2	8.3	ug/Kg
71-43-2	Benzene	1.4	U	1.4	8.3	ug/Kg
107-06-2	1,2-Dichloroethane	2	U	2	8.3	ug/Kg
79-01-6	Trichloroethene	1.6	U	1.6	8.3	ug/Kg
78-87-5	1,2-Dichloropropane	2.1	U	2.1	8.3	ug/Kg
75-27-4	Bromodichloromethane	1.7	U	1.7	8.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.3	U	9.3	41.7	ug/Kg
108-88-3	Toluene	1.6	U	1.6	8.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.7	U	1.7	8.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.8	U	1.8	8.3	ug/Kg

* Results transferred from the original analysis. 5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0612-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.2
Sample Wt/Vol:	3.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062285.D	1		05/13/19 04:41	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.4	U	2.4	8.3	ug/Kg
591-78-6	2-Hexanone	12.3	U	12.3	41.7	ug/Kg
124-48-1	Dibromochloromethane	2.2	U	2.2	8.3	ug/Kg
106-93-4	1,2-Dibromoethane	2.2	U	2.2	8.3	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	1.2	8.3	ug/Kg
108-90-7	Chlorobenzene	1.3	U	1.3	8.3	ug/Kg
100-41-4	Ethyl Benzene	1.4	U	1.4	8.3	ug/Kg
179601-23-1	m/p-Xylenes	2.8	U	2.8	16.7	ug/Kg
95-47-6	o-Xylene	1.8	U	1.8	8.3	ug/Kg
100-42-5	Styrene	1.7	U	1.7	8.3	ug/Kg
75-25-2	Bromoform	5.5	U	5.5	8.3	ug/Kg
98-82-8	Isopropylbenzene	1.4	U J	1.4	8.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.8	U	1.8	8.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	8.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.8	U	1.8	8.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.1	U	2.1	8.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	5.6	8.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.9	U	1.9	8.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.1	U	2.1	8.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	36.8		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.8		33 - 141	50%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	514112	7.07			
540-36-3	1,4-Difluorobenzene	601860	8.24			
3114-55-4	Chlorobenzene-d5	400791	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	110641	14.53	c 50·1		

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-0612-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.2
Sample Wt/Vol:	3.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062285.D	1		05/13/19 04:41	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010387.D	1		05/11/19 18:03	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U J	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	30.1	J+	8.8	28.7	ug/Kg
75-15-0	Carbon Disulfide	1.2	U J	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U J	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U J	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	11.6	J+	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U J	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.7	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	U	0.95	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.99	U	0.99	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.7	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	ul.	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010387.D	1		05/11/19 18:03	VW051119

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane		1.6	U J	1.6	5.7	ug/Kg
591-78-6	2-Hexanone		8.5	U	8.5	28.7	ug/Kg
124-48-1	Dibromochloromethane		1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane		1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene		0.8	U	0.8	5.7	ug/Kg
108-90-7	Chlorobenzene		0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene		0.98	U	0.98	5.7	ug/Kg
179601-23-1	m/p-Xylenes		1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene		1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene		1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform		3.8	U	3.8	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.82	0.99	U J	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	1.2	U	1.2	5.7	ug/Kg
95-50-1 *	1,2-Dichlorobenzene	1.2	1.5	U	1.5	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	1.5	U	1.5	5.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4		130	*	56 - 120	251%	SPK: 50
1868-53-7	Dibromofluoromethane		96.6	*	57 - 135	193%	SPK: 50
2037-26-5	Toluene-d8		33.6		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene		24.6		33 - 141	49%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene		558390	7.95			
540-36-3	1,4-Difluorobenzene		1028880	8.84	<30%		
3114-55-4	Chlorobenzene-d5		627330	11.63			
3855-82-1	1,4-Dichlorobenzene-d4		139080	13.56	<20%		

*. Results reported from the Re-analysis 5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	5.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010387.D	1		05/11/19 18:03	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1218-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062509.D	1	DO NOT USE	05/12/19 18:05	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.7	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.7	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.7	ug/Kg
67-64-1	Acetone	7.3	U	7.3	23.7	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	UQ	0.78	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	UQ	1	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.94	U	0.94	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.7	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.95	U	0.95	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	UQ	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1218-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062509.D	1		05/12/19 18:05	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.7	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.7	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.94	U	0.94	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.2		56 - 120	76%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	34.4		67 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.7		33 - 141	49%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162984	5.08			
540-36-3	1,4-Difluorobenzene	205547	5.8			
3114-55-4	Chlorobenzene-d5	137369	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	53781	12.62			

50.1

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1218-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.1
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062509.D	1		05/12/19 18:05	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.8
Sample Wt/Vol:	6.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010388.D	1		05/11/19 18:31	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U J	0.88	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.96	U	0.96	4.8	ug/Kg
67-64-1	Acetone	23.2	J J+	7.4	24.1	ug/Kg
75-15-0	Carbon Disulfide	1	U J	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	9.4	J J+	5	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U J	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.4	U	6.4	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.8	U	0.8	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	4.8	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.8	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.81	U	0.81	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.8	ug/Kg
79-01-6	Trichloroethene	0.9	U	0.9	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.96	U	0.96	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.4	U	5.4	24.1	ug/Kg
108-88-3	Toluene	0.94	U	0.94	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.97	U	0.97	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.8
Sample Wt/Vol:	6.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010388.D	1		05/11/19 18:31	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7.1	U	7.1	24.1	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	4.8	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.6	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.8	ug/Kg
100-42-5	Styrene	0.96	U	0.96	4.8	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.83	~~U~~ R	0.83	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110	*	56 - 120	222%	SPK: 50
1868-53-7	Dibromofluoromethane	88.6	*	57 - 135	177%	SPK: 50
2037-26-5	Toluene-d8	26.9	*	67 - 123	54%	SPK: 50
460-00-4	4-Bromofluorobenzene	25.9		33 - 141	52%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	668152	7.95			
540-36-3	1,4-Difluorobenzene	1188630	8.84			
3114-55-4	Chlorobenzene-d5	671515	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	169716	13.56			

<50%

<20%

5R3119

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.8
Sample Wt/Vol:	6.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-1CLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010388.D	1		05/11/19 18:31	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1824-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.8
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062510.D	1		05/12/19 18:33	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.7	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.7	ug/Kg
67-64-1	Acetone	*23.2 ~~7.3~~	~~U~~ J+	7.3	23.6	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.7	ug/Kg
75-09-2	Methylene Chloride	*9.4 ~~4.9~~	~~U~~ J+	4.9	9.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.94	U	0.94	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.6	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.95	U	0.95	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

* Results reported from the original analysis 5/12/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1824-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.8
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062510.D	1		05/12/19 18:33	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.6	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.4	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.94	U	0.94	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.82	U J	0.82	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	36.8		56 - 120	74%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	38		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	31		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184977	5.08			
540-36-3	1,4-Difluorobenzene	233058	5.79			
3114-55-4	Chlorobenzene-d5	184896	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	96074	12.63	< 50:1		

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS010-1824-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.8
Sample Wt/Vol:	6.36 Units: g	Final Vol:	5000 ul.
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062510.D	1		05/12/19 18:33	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57
Sample Wt/Vol:	3.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010389.D	1		05/11/19 19:00	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.4	U J	3.4	18.5	ug/Kg
74-87-3	Chloromethane	6.6	U	6.6	18.5	ug/Kg
75-01-4	Vinyl Chloride	4.1	U	4.1	18.5	ug/Kg
74-83-9	Bromomethane	1.4	U	1.4	18.5	ug/Kg
75-00-3	Chloroethane	2.1	U	2.1	18.5	ug/Kg
75-69-4	Trichlorofluoromethane	2.4	U	2.4	18.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	3	18.5	ug/Kg
75-35-4	1,1-Dichloroethene	3.7	U	3.7	18.5	ug/Kg
67-64-1	Acetone	470	J+	28.3	92.3	ug/Kg
75-15-0	Carbon Disulfide	4	U	4	18.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.1	U	5.1	18.5	ug/Kg
79-20-9	Methyl Acetate	14.5	J J+	10.4	18.5	ug/Kg
75-09-2	Methylene Chloride	45.6	J+	19.2	36.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.6	U J	4.6	18.5	ug/Kg
75-34-3	1,1-Dichloroethane	3.4	U	3.4	18.5	ug/Kg
110-82-7	Cyclohexane	6.6	U	6.6	18.5	ug/Kg
78-93-3	2-Butanone	24.6	U	24.6	92.3	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	3	18.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.6	U	3.6	18.5	ug/Kg
74-97-5	Bromochloromethane	4.4	U	4.4	18.5	ug/Kg
67-66-3	Chloroform	3.2	U	3.2	18.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.9	U	3.9	18.5	ug/Kg
108-87-2	Methylcyclohexane	4.4	U	4.4	18.5	ug/Kg
71-43-2	Benzene	3.1	U	3.1	18.5	ug/Kg
107-06-2	1,2-Dichloroethane	4.4	U	4.4	18.5	ug/Kg
79-01-6	Trichloroethene	3.4	U	3.4	18.5	ug/Kg
78-87-5	1,2-Dichloropropane	4.6	U	4.6	18.5	ug/Kg
75-27-4	Bromodichloromethane	3.7	U	3.7	18.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	20.6	U	20.6	92.3	ug/Kg
108-88-3	Toluene	3.6	U	3.6	18.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.7	U	3.7	18.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4	U	4	18.5	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57
Sample Wt/Vol:	3.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010389.D	1		05/11/19 19:00	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5.3	U J	5.3	18.5	ug/Kg
591-78-6	2-Hexanone	27.2	U	27.2	92.3	ug/Kg
124-48-1	Dibromochloromethane	4.8	U	4.8	18.5	ug/Kg
106-93-4	1,2-Dibromoethane	4.8	U	4.8	18.5	ug/Kg
127-18-4	Tetrachloroethene	~~2.6~~	~~U~~ R	2.6	18.5	ug/Kg
108-90-7	Chlorobenzene	~~2.9~~	~~U~~ R	2.9	18.5	ug/Kg
100-41-4	Ethyl Benzene	3.7	J J+	3.2	18.5	ug/Kg
179601-23-1	m/p-Xylenes	6.1	~~U~~ R	6.1	36.9	ug/Kg
95-47-6	o-Xylene	4	U	4	18.5	ug/Kg
100-42-5	Styrene	3.7	U	3.7	18.5	ug/Kg
75-25-2	Bromoform	12.1	U	12.1	18.5	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	3.2	18.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4	U	4	18.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.9	U	3.9	18.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.9	U	3.9	18.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.7	U	4.7	18.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	12.3	U	12.3	18.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.1	U	4.1	18.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.7	U	4.7	18.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	120	*	56 - 120	238%	SPK: 50
1868-53-7	Dibromofluoromethane	95.6	*	57 - 135	191%	SPK: 50
2037-26-5	Toluene-d8	29.8	*	67 - 123	60%	SPK: 50
460-00-4	4-Bromofluorobenzene	16	*	33 - 141	32%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	458196	7.95			
540-36-3	1,4-Difluorobenzene	748213	8.84			
3114-55-4	Chlorobenzene-d5	334804	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	61040	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	27.7	J		1.95	ug/Kg
055471-01-7	Butanamide, 2,2,3,3,4,4,4-heptaflu	24.3	J		14.08	ug/Kg
029577-19-3	m-Cymene, 5-tert-butyl-	37	J		15.44	ug/Kg

Unknown
Unknown

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2719
Lab Sample ID:	K2719-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57
Sample Wt/Vol:	3.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010389.D	1		05/11/19 19:00	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown15.50	20	J		15.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-18RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57
Sample Wt/Vol:	3.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062511.D	1		05/12/19 19:00	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.2	U	3.2	17.5	ug/Kg
74-87-3	Chloromethane	6.2	U	6.2	17.5	ug/Kg
75-01-4	Vinyl Chloride	3.9	U	3.9	17.5	ug/Kg
74-83-9	Bromomethane	1.3	U	1.3	17.5	ug/Kg
75-00-3	Chloroethane	2	U	2	17.5	ug/Kg
75-69-4	Trichlorofluoromethane	2.3	U	2.3	17.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.8	U	2.8	17.5	ug/Kg
75-35-4	1,1-Dichloroethene	3.5	U	3.5	17.5	ug/Kg
67-64-1	Acetone	* ~~26.8~~ 470	~~U~~ J+	26.8	87.3	ug/Kg
75-15-0	Carbon Disulfide	3.7	U	3.7	17.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.9	U	4.9	17.5	ug/Kg
79-20-9	Methyl Acetate	* ~~9.8~~ 14.5	~~U~~ J+	9.8	17.5	ug/Kg
75-09-2	Methylene Chloride	* ~~18.1~~ 45.6	~~U~~ J+	18.1	34.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.4	U	4.4	17.5	ug/Kg
75-34-3	1,1-Dichloroethane	3.2	U	3.2	17.5	ug/Kg
110-82-7	Cyclohexane	6.3	U	6.3	17.5	ug/Kg
78-93-3	2-Butanone	23.3	U	23.3	87.3	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	UQ	2.9	17.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.4	U	3.4	17.5	ug/Kg
74-97-5	Bromochloromethane	4.2	U	4.2	17.5	ug/Kg
67-66-3	Chloroform	3	U	3	17.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.7	UQ	3.7	17.5	ug/Kg
108-87-2	Methylcyclohexane	4.1	U	4.1	17.5	ug/Kg
71-43-2	Benzene	2.9	U	2.9	17.5	ug/Kg
107-06-2	1,2-Dichloroethane	4.2	U	4.2	17.5	ug/Kg
79-01-6	Trichloroethene	3.3	U	3.3	17.5	ug/Kg
78-87-5	1,2-Dichloropropane	4.4	U	4.4	17.5	ug/Kg
75-27-4	Bromodichloromethane	3.5	U	3.5	17.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	19.5	U	19.5	87.3	ug/Kg
108-88-3	Toluene	3.4	U	3.4	17.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.5	U	3.5	17.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.7	UQ	3.7	17.5	ug/Kg

* values transferred from the original analysis. 5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-18RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57
Sample Wt/Vol:	3.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062511.D	1		05/12/19 19:00	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	5	U	5	17.5	ug/Kg
591-78-6	2-Hexanone	25.8	U	25.8	87.3	ug/Kg
124-48-1	Dibromochloromethane	4.6	U	4.6	17.5	ug/Kg
106-93-4	1,2-Dibromoethane	4.5	U	4.5	17.5	ug/Kg
127-18-4	Tetrachloroethene	2.4	U J	2.4	17.5	ug/Kg
108-90-7	Chlorobenzene	2.8	U J	2.8	17.5	ug/Kg
100-41-4	Ethyl Benzene	3	~~U~~ J+	3	17.5	ug/Kg
179601-23-1	m/p-Xylenes	5.8	U J	5.8	34.9	ug/Kg
95-47-6	o-Xylene	3.8	U	3.8	17.5	ug/Kg
100-42-5	Styrene	3.5	U	3.5	17.5	ug/Kg
75-25-2	Bromoform	11.5	U	11.5	17.5	ug/Kg
98-82-8	Isopropylbenzene	3	~~U~~ R	3	17.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.8	U	3.8	17.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.7	U	3.7	17.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.7	U	3.7	17.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.4	U	4.4	17.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	11.6	U	11.6	17.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.9	U	3.9	17.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.4	U	4.4	17.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		56 - 120	108%	SPK: 50
1868-53-7	Dibromofluoromethane	59		57 - 135	118%	SPK: 50
2037-26-5	Toluene-d8	33.9		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.5		33 - 141	33%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190151	5.07			
540-36-3	1,4-Difluorobenzene	230054	5.79			
3114-55-4	Chlorobenzene-d5	115905	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	27012	12.62			

R-3-3-7

* Value transferred from the original analysis 5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0002-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-18RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	57
Sample Wt/Vol:	3.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062511.D	1		05/12/19 19:00	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	64.4
Sample Wt/Vol:	3.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062448.D	1		05/11/19 05:29	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.2	U	4.2	22.9	ug/Kg
74-87-3	Chloromethane	8.2	U	8.2	22.9	ug/Kg
75-01-4	Vinyl Chloride	5.1	U	5.1	22.9	ug/Kg
74-83-9	Bromomethane	1.7	U	1.7	22.9	ug/Kg
75-00-3	Chloroethane	2.6	U	2.6	22.9	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	3	22.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.7	U	3.7	22.9	ug/Kg
75-35-4	1,1-Dichloroethene	4.6	U	4.6	22.9	ug/Kg
67-64-1	Acetone	280	J	35.2	110	ug/Kg
75-15-0	Carbon Disulfide	4.9	U	4.9	22.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.4	U	6.4	22.9	ug/Kg
79-20-9	Methyl Acetate	12.9	U	12.9	22.9	ug/Kg
75-09-2	Methylene Chloride	39.1	J J	23.8	45.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.8	U	5.8	22.9	ug/Kg
75-34-3	1,1-Dichloroethane	4.2	U	4.2	22.9	ug/Kg
110-82-7	Cyclohexane	8.2	U	8.2	22.9	ug/Kg
78-93-3	2-Butanone	30.6	U	30.6	110	ug/Kg
56-23-5	Carbon Tetrachloride	3.8	UQ	3.8	22.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.5	U	4.5	22.9	ug/Kg
74-97-5	Bromochloromethane	5.5	U	5.5	22.9	ug/Kg
67-66-3	Chloroform	4	UQ	4	22.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.9	U	4.9	22.9	ug/Kg
108-87-2	Methylcyclohexane	5.4	U	5.4	22.9	ug/Kg
71-43-2	Benzene	3.8	U	3.8	22.9	ug/Kg
107-06-2	1,2-Dichloroethane	5.5	U	5.5	22.9	ug/Kg
79-01-6	Trichloroethene	4.3	U	4.3	22.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.7	U	5.7	22.9	ug/Kg
75-27-4	Bromodichloromethane	4.6	U	4.6	22.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.7	U	25.7	110	ug/Kg
108-88-3	Toluene	4.5	U	4.5	22.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.6	U	4.6	22.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.9	U	4.9	22.9	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	64.4
Sample Wt/Vol:	3.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062448.D	1		05/11/19 05:29	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	6.5	U	6.5	22.9	ug/Kg
591-78-6	2-Hexanone	33.9	U	33.9	110	ug/Kg
124-48-1	Dibromochloromethane	6	U	6	22.9	ug/Kg
106-93-4	1,2-Dibromoethane	6	U	6	22.9	ug/Kg
127-18-4	Tetrachloroethene	3.2	U J	3.2	22.9	ug/Kg
108-90-7	Chlorobenzene	3.6	U	3.6	22.9	ug/Kg
100-41-4	Ethyl Benzene	3.9	U	3.9	22.9	ug/Kg
179601-23-1	m/p-Xylenes	7.6	U	7.6	45.9	ug/Kg
95-47-6	o-Xylene	5	U	5	22.9	ug/Kg
100-42-5	Styrene	4.5	U	4.5	22.9	ug/Kg
75-25-2	Bromoform	15.1	U	15.1	22.9	ug/Kg
98-82-8	Isopropylbenzene	4	U R	4	22.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	5	22.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.9	U	4.9	22.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.8	U	4.8	22.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.8	U	5.8	22.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	15.3	U	15.3	22.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.1	U	5.1	22.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.8	U	5.8	22.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.1	*	56 - 120	138%	SPK: 50
1868-53-7	Dibromofluoromethane	69.7	*	57 - 135	139%	SPK: 50
2037-26-5	Toluene-d8	38.7		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	18.8		33 - 141	38%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	231403	5.06			
540-36-3	1,4-Difluorobenzene	268752	5.78			
3114-55-4	Chlorobenzene-d5	117038	9.92	< 50%		
3855-82-1	1,4-Dichlorobenzene-d4	35371	12.61	< 20%		

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2719
Lab Sample ID:	K2719-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	64.4
Sample Wt/Vol:	3.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062448.D	1		05/11/19 05:29	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	64.4
Sample Wt/Vol:	2.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062246.D	1		05/11/19 19:17	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.6	U J	4.6	25.4	ug/Kg
74-87-3	Chloromethane	9.1	U	9.1	25.4	ug/Kg
75-01-4	Vinyl Chloride	5.7	U	5.7	25.4	ug/Kg
74-83-9	Bromomethane	1.9	U	1.9	25.4	ug/Kg
75-00-3	Chloroethane	2.9	U	2.9	25.4	ug/Kg
75-69-4	Trichlorofluoromethane	3.3	U	3.3	25.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.1	U	4.1	25.4	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	5	25.4	ug/Kg
67-64-1	Acetone	130	J+	39.1	130	ug/Kg
75-15-0	Carbon Disulfide	5.4	U J	5.4	25.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	7.1	U	7.1	25.4	ug/Kg
79-20-9	Methyl Acetate	14.3	U	14.3	25.4	ug/Kg
75-09-2	Methylene Chloride	26.4	U	26.4	50.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.4	U	6.4	25.4	ug/Kg
75-34-3	1,1-Dichloroethane	4.6	U	4.6	25.4	ug/Kg
110-82-7	Cyclohexane	9.1	U	9.1	25.4	ug/Kg
78-93-3	2-Butanone	33.9	U	33.9	130	ug/Kg
56-23-5	Carbon Tetrachloride	4.2	U	4.2	25.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	5	25.4	ug/Kg
74-97-5	Bromochloromethane	6.1	U	6.1	25.4	ug/Kg
67-66-3	Chloroform	4.4	U	4.4	25.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.4	U	5.4	25.4	ug/Kg
108-87-2	Methylcyclohexane	6	U	6	25.4	ug/Kg
71-43-2	Benzene	4.3	U	4.3	25.4	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	6.1	25.4	ug/Kg
79-01-6	Trichloroethene	4.7	U	4.7	25.4	ug/Kg
78-87-5	1,2-Dichloropropane	6.3	U	6.3	25.4	ug/Kg
75-27-4	Bromodichloromethane	5.1	U	5.1	25.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28.5	U	28.5	130	ug/Kg
108-88-3	Toluene	5	U	5	25.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.1	U	5.1	25.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.4	U	5.4	25.4	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	64.4
Sample Wt/Vol:	2.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062246.D	1		05/11/19 19:17	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	7.2	U J	7.2	25.4	ug/Kg
591-78-6	2-Hexanone	37.5	U	37.5	130	ug/Kg
124-48-1	Dibromochloromethane	6.7	U	6.7	25.4	ug/Kg
106-93-4	1,2-Dibromoethane	6.6	U	6.6	25.4	ug/Kg
127-18-4	Tetrachloroethene	3.5	U R	3.5	25.4	ug/Kg
108-90-7	Chlorobenzene	4	U	4	25.4	ug/Kg
100-41-4	Ethyl Benzene	4.3	U	4.3	25.4	ug/Kg
179601-23-1	m/p-Xylenes	8.4	U	8.4	50.9	ug/Kg
95-47-6	o-Xylene	5.6	U	5.6	25.4	ug/Kg
100-42-5	Styrene	5	U	5	25.4	ug/Kg
75-25-2	Bromoform	16.7	U	16.7	25.4	ug/Kg
98-82-8	Isopropylbenzene	4.4	U	4.4	25.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	5.5	25.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.4	UØ	5.4	25.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.4	U	5.4	25.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.5	U	6.5	25.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.9	U	16.9	25.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.7	U	5.7	25.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.5	UØ	6.5	25.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	78.1	*	56 - 120	156%	SPK: 50
1868-53-7	Dibromofluoromethane	66.3		57 - 135	133%	SPK: 50
2037-26-5	Toluene-d8	34.8		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	15.1	*	33 - 141	30%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	361852	7.05			
540-36-3	1,4-Difluorobenzene	459091	8.23			
3114-55-4	Chlorobenzene-d5	174751	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	36339	14.52			

<50%

<20%

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0206-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	64.4
Sample Wt/Vol:	2.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062246.D	1		05/11/19 19:17	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

5/23/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	33.8
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062447.D	1		05/11/19 05:01	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	7	ug/Kg
74-87-3	Chloromethane	2.5	U	2.5	7	ug/Kg
75-01-4	Vinyl Chloride	1.6	U	1.6	7	ug/Kg
74-83-9	Bromomethane	0.53	U	0.53	7	ug/Kg
75-00-3	Chloroethane	0.81	U	0.81	7	ug/Kg
75-69-4	Trichlorofluoromethane	0.9	U	0.9	7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	7	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	7	ug/Kg
67-64-1	Acetone	10.8	U	10.8	35	ug/Kg
75-15-0	Carbon Disulfide	1.5	U	1.5	7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2	U	2	7	ug/Kg
79-20-9	Methyl Acetate	3.9	U	3.9	7	ug/Kg
75-09-2	Methylene Chloride	12.9	J	7.3	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.8	U	1.8	7	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	7	ug/Kg
110-82-7	Cyclohexane	2.5	U	2.5	7	ug/Kg
78-93-3	2-Butanone	9.3	U	9.3	35	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	UQ	1.2	7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	7	ug/Kg
74-97-5	Bromochloromethane	1.7	U	1.7	7	ug/Kg
67-66-3	Chloroform	1.2	UQ	1.2	7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U	1.5	7	ug/Kg
108-87-2	Methylcyclohexane	1.7	U	1.7	7	ug/Kg
71-43-2	Benzene	1.2	U	1.2	7	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	7	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	7	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.8	U	7.8	35	ug/Kg
108-88-3	Toluene	1.4	U	1.4	7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.5	U	1.5	7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	33.8
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062447.D	1		05/11/19 05:01	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2	U	2	7	ug/Kg
591-78-6	2-Hexanone	10.3	U	10.3	35	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	7	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U	1.8	7	ug/Kg
127-18-4	Tetrachloroethene	0.97	U J	0.97	7	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	7	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	7	ug/Kg
179601-23-1	m/p-Xylenes	2.3	U	2.3	14	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	7	ug/Kg
100-42-5	Styrene	1.4	U	1.4	7	ug/Kg
75-25-2	Bromoform	4.6	U	4.6	7	ug/Kg
98-82-8	Isopropylbenzene 1.2	1.2	U J	1.2	7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane 1.5	1.5	U	1.5	7	ug/Kg
541-73-1	1,3-Dichlorobenzene 1.5	1.5	U	1.5	7	ug/Kg
106-46-7 *	1,4-Dichlorobenzene 1.5	1.5	U	1.5	7	ug/Kg
95-50-1	1,2-Dichlorobenzene 1.7	1.8	U	1.8	7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane 4.6	4.7	U	4.7	7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene 1.5	1.6	U	1.6	7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene 1.7	1.8	U	1.8	7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	75.5	*	56 - 120	151%	SPK: 50
1868-53-7	Dibromofluoromethane	76	*	57 - 135	152%	SPK: 50
2037-26-5	Toluene-d8	40		67 - 123	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.2		33 - 141	42%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250109	5.06			
540-36-3	1,4-Difluorobenzene	315983	5.78			
3114-55-4	Chlorobenzene-d5	152641	9.91	< 50%		
3855-82-1	1,4-Dichlorobenzene-d4	39183	12.61	< 20%		
TENTATIVE IDENTIFIED COMPOUNDS						
001012-72-2	Benzene, 1,4-bis(1,1-dimethylethyl- unknown	8.8	J		14.5	ug/Kg

* Results transferred from Re-analysis. 3/28/18

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2719
Lab Sample ID:	K2719-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	33.8
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062447.D	1		05/11/19 05:01	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0612-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	33.8
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062460.D	1		05/11/19 15:16	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	6.9	ug/Kg
74-87-3	Chloromethane	2.5	U	2.5	6.9	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.9	ug/Kg
74-83-9	Bromomethane	0.52	U	0.52	6.9	ug/Kg
75-00-3	Chloroethane	0.79	U	0.79	6.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	6.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	6.9	ug/Kg
67-64-1	Acetone	10.6	U J	10.6	34.4	ug/Kg
75-15-0	Carbon Disulfide	1.5	U	1.5	6.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.9	ug/Kg
79-20-9	Methyl Acetate	3.9	U	3.9	6.9	ug/Kg
75-09-2	Methylene Chloride	7.1	U	7.1	13.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	6.9	ug/Kg
110-82-7	Cyclohexane	2.5	U	2.5	6.9	ug/Kg
78-93-3	2-Butanone	9.2	U	9.2	34.4	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U ~~Ø~~ J	1.1	6.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	6.9	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.9	ug/Kg
67-66-3	Chloroform	1.2	U ~~Ø~~	1.2	6.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U ~~Ø~~	1.5	6.9	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.9	ug/Kg
71-43-2	Benzene	1.2	U	1.2	6.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	6.9	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	6.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	6.9	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	6.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.7	U	7.7	34.4	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	6.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.5	U ~~Ø~~	1.5	6.9	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0612-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	33.8
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062460.D	1		05/11/19 15:16	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2	U	2	6.9	ug/Kg
591-78-6	2-Hexanone	10.1	U	10.1	34.4	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U	1.8	6.9	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	6.9	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.9	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	6.9	ug/Kg
179601-23-1	m/p-Xylenes	2.3	U	2.3	13.8	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.9	ug/Kg
100-42-5	Styrene	2	J	1.4	6.9	ug/Kg
75-25-2	Bromoform	4.5	U	4.5	6.9	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	6.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	6.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.6	U	4.6	6.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		56 - 120	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		57 - 135	105%	SPK: 50
2037-26-5	Toluene-d8	39.6		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	30		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	275951	5.06			
540-36-3	1,4-Difluorobenzene	360956	5.78			
3114-55-4	Chlorobenzene-d5	243119	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	93655	12.62	<50		

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-0612-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	33.8
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062460.D	1		05/11/19 15:16	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	29.3
Sample Wt/Vol:	3.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062446.D	1		05/11/19 04:34	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.8	U	1.8	9.6	ug/Kg
74-87-3	Chloromethane	3.4	U	3.4	9.6	ug/Kg
75-01-4	Vinyl Chloride	2.1	U	2.1	9.6	ug/Kg
74-83-9	Bromomethane	0.73	U	0.73	9.6	ug/Kg
75-00-3	Chloroethane	1.1	U	1.1	9.6	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	1.2	9.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	9.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.9	U	1.9	9.6	ug/Kg
67-64-1	Acetone	14.8	U	14.8	48.2	ug/Kg
75-15-0	Carbon Disulfide	2.1	U	2.1	9.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	2.7	9.6	ug/Kg
79-20-9	Methyl Acetate	5.4	U	5.4	9.6	ug/Kg
75-09-2	Methylene Chloride	21.9		10	19.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.4	U	2.4	9.6	ug/Kg
75-34-3	1,1-Dichloroethane	1.8	U	1.8	9.6	ug/Kg
110-82-7	Cyclohexane	3.5	U	3.5	9.6	ug/Kg
78-93-3	2-Butanone	12.9	U	12.9	48.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.6	UQ	1.6	9.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.9	U	1.9	9.6	ug/Kg
74-97-5	Bromochloromethane	2.3	U	2.3	9.6	ug/Kg
67-66-3	Chloroform	1.7	UQ	1.7	9.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2	U	2	9.6	ug/Kg
108-87-2	Methylcyclohexane	2.3	U	2.3	9.6	ug/Kg
71-43-2	Benzene	1.6	U	1.6	9.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.3	U	2.3	9.6	ug/Kg
79-01-6	Trichloroethene	1.8	U	1.8	9.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.4	U	2.4	9.6	ug/Kg
75-27-4	Bromodichloromethane	1.9	U	1.9	9.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.8	U	10.8	48.2	ug/Kg
108-88-3	Toluene	1.9	U	1.9	9.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.9	U	1.9	9.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.1	U	2.1	9.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	29.3
Sample Wt/Vol:	3.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062446.D	1		05/11/19 04:34	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.7	U	2.7	9.6	ug/Kg
591-78-6	2-Hexanone	14.2	U	14.2	48.2	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	2.5	9.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	2.5	9.6	ug/Kg
127-18-4	Tetrachloroethene	1.3	U J	1.3	9.6	ug/Kg
108-90-7	Chlorobenzene	1.5	U	1.5	9.6	ug/Kg
100-41-4	Ethyl Benzene	1.6	U	1.6	9.6	ug/Kg
179601-23-1	m/p-Xylenes	3.2	U	3.2	19.3	ug/Kg
95-47-6	o-Xylene	2.1	U	2.1	9.6	ug/Kg
100-42-5	Styrene	1.9	U	1.9	9.6	ug/Kg
75-25-2	Bromoform	6.3	U	6.3	9.6	ug/Kg
98-82-8	Isopropylbenzene	1.7	~~U~~ R	1.7	9.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.1	U	2.1	9.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.1	U	2.1	9.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2	U	2	9.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.4	U	2.4	9.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.4	U	6.4	9.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.1	U	2.1	9.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	2.5	9.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	83.5	*	56 - 120	167%	SPK: 50
1868-53-7	Dibromofluoromethane	79.6	*	57 - 135	159%	SPK: 50
2037-26-5	Toluene-d8	36.2		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	19.4		33 - 141	39%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181319	5.06			
540-36-3	1,4-Difluorobenzene	226733	5.78			
3114-55-4	Chlorobenzene-d5	97250	9.92	< 50%		
3855-82-1	1,4-Dichlorobenzene-d4	28768	12.62	< 20%		

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2719
Lab Sample ID:	K2719-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	29.3
Sample Wt/Vol:	3.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062446.D	1		05/11/19 04:34	VF051019

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1218-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-21RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	29.3
Sample Wt/Vol:	3.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062461.D	1		05/11/19 15:44	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.9	U J	1.9	10.4	ug/Kg
74-87-3	Chloromethane	3.7	U	3.7	10.4	ug/Kg
75-01-4	Vinyl Chloride	2.3	U	2.3	10.4	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	10.4	ug/Kg
75-00-3	Chloroethane	1.2	U	1.2	10.4	ug/Kg
75-69-4	Trichlorofluoromethane	1.3	U	1.3	10.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.7	U	1.7	10.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.1	U	2.1	10.4	ug/Kg
67-64-1	Acetone	16	U	16	52.2	ug/Kg
75-15-0	Carbon Disulfide	2.2	U	2.2	10.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	2.9	10.4	ug/Kg
79-20-9	Methyl Acetate	5.9	U	5.9	10.4	ug/Kg
75-09-2	Methylene Chloride	10.8	U	10.8	20.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.6	U	2.6	10.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.9	U	1.9	10.4	ug/Kg
110-82-7	Cyclohexane	3.7	U	3.7	10.4	ug/Kg
78-93-3	2-Butanone	13.9	U	13.9	52.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.7	UØ	1.7	10.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.1	U	2.1	10.4	ug/Kg
74-97-5	Bromochloromethane	2.5	U	2.5	10.4	ug/Kg
67-66-3	Chloroform	1.8	UØ	1.8	10.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.2	UØ	2.2	10.4	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	2.5	10.4	ug/Kg
71-43-2	Benzene	1.7	U	1.7	10.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	2.5	10.4	ug/Kg
79-01-6	Trichloroethene	1.9	U	1.9	10.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.6	U	2.6	10.4	ug/Kg
75-27-4	Bromodichloromethane	2.1	U	2.1	10.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.7	U	11.7	52.2	ug/Kg
108-88-3	Toluene	2	U	2	10.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.1	U	2.1	10.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.2	UØ	2.2	10.4	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1218-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-21RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	29.3
Sample Wt/Vol:	3.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062461.D	1		05/11/19 15:44	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	3	U J	3	10.4	ug/Kg
591-78-6	2-Hexanone	15.4	U	15.4	52.2	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	2.7	10.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	2.7	10.4	ug/Kg
127-18-4	Tetrachloroethene	1.5	U	1.5	10.4	ug/Kg
108-90-7	Chlorobenzene	1.6	U	1.6	10.4	ug/Kg
100-41-4	Ethyl Benzene	3.2	J J+	1.8	10.4	ug/Kg
179601-23-1	m/p-Xylenes	3.4	U J	3.4	20.9	ug/Kg
95-47-6	o-Xylene	2.3	U	2.3	10.4	ug/Kg
100-42-5	Styrene	2.1	U	2.1	10.4	ug/Kg
75-25-2	Bromoform	6.8	U	6.8	10.4	ug/Kg
98-82-8	Isopropylbenzene	1.8	U R	1.8	10.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.3	U	2.3	10.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	2.2	10.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.2	U	2.2	10.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.6	U	2.6	10.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.9	U	6.9	10.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.3	U	2.3	10.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	U	2.7	10.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.7	*	56 - 120	135%	SPK: 50
1868-53-7	Dibromofluoromethane	66.9		57 - 135	134%	SPK: 50
2037-26-5	Toluene-d8	35.5		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	19.2		33 - 141	38%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167295	5.06			
540-36-3	1,4-Difluorobenzene	204528	5.78	<50%		
3114-55-4	Chlorobenzene-d5	94818	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	29916	12.62	<20%		

5/28/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1218-01RE	SDG No.:	K2719
Lab Sample ID:	K2719-21RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	29.3
Sample Wt/Vol:	3.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062461.D	1		05/11/19 15:44	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-22	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.1
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062247.D	1		05/11/19 19:45	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U J	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.7	U	8.7	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-22	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.1
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062247.D	1		05/11/19 19:45	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	UØ	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	UØ	1.4	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		56 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		57 - 135	113%	SPK: 50
2037-26-5	Toluene-d8	45.6		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.9		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	616009	7.05			
540-36-3	1,4-Difluorobenzene	783560	8.22			
3114-55-4	Chlorobenzene-d5	583069	12.36			
3855-82-1	1,4-Dichlorobenzene-d4	175977	14.52			

5/23/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2719
Lab Sample ID:	K2719-22	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.1
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062247.D	1		05/11/19 19:45	VD051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	RB-190506	SDG No.:	K2719
Lab Sample ID:	K2719-23	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009382.D	1		05/07/19 17:18	VX050719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5	ug/L
74-87-3	Chloromethane	0.3	U	0.3	5	ug/L
75-01-4	Vinyl Chloride	0.16	U	0.16	5	ug/L
74-83-9	Bromomethane	2.1	U	2.1	5	ug/L
75-00-3	Chloroethane	0.34	U	0.34	5	ug/L
75-69-4	Trichlorofluoromethane	0.16	U	0.16	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	U	0.21	5	ug/L
75-35-4	1,1-Dichloroethene	0.18	U	0.18	5	ug/L
67-64-1	Acetone	0.9	U	0.9	25	ug/L
75-15-0	Carbon Disulfide	0.23	U	0.23	5	ug/L
1634-04-4	Methyl tert-butyl Ether	0.07	U	0.07	5	ug/L
79-20-9	Methyl Acetate	0.65	U	0.65	5	ug/L
75-09-2	Methylene Chloride	0.33	U	0.33	5	ug/L
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	5	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	0.17	5	ug/L
110-82-7	Cyclohexane	1.2	U	1.2	5	ug/L
78-93-3	2-Butanone	0.71	U	0.71	25	ug/L
56-23-5	Carbon Tetrachloride	0.22	U	0.22	5	ug/L
156-59-2	cis-1,2-Dichloroethene	0.3	U	0.3	5	ug/L
74-97-5	Bromochloromethane	0.31	U	0.31	5	ug/L
67-66-3	Chloroform	0.14	U	0.14	5	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	5	ug/L
108-87-2	Methylcyclohexane	0.17	U	0.17	5	ug/L
71-43-2	Benzene	0.1	U	0.1	5	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	0.13	5	ug/L
79-01-6	Trichloroethene	0.27	U	0.27	5	ug/L
78-87-5	1,2-Dichloropropane	0.14	U	0.14	5	ug/L
75-27-4	Bromodichloromethane	0.1	U	0.1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	0.85	U	0.85	25	ug/L
108-88-3	Toluene	0.12	U	0.12	5	ug/L
10061-02-6	t-1,3-Dichloropropene	0.19	U	0.19	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	RB-190506	SDG No.:	K2719
Lab Sample ID:	K2719-23	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009382.D	1		05/07/19 17:18	VX050719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.12	U	0.12	5	ug/L
591-78-6	2-Hexanone	1.4	U	1.4	25	ug/L
124-48-1	Dibromochloromethane	0.16	U	0.16	5	ug/L
106-93-4	1,2-Dibromoethane	0.14	U	0.14	5	ug/L
127-18-4	Tetrachloroethene	0.15	U	0.15	5	ug/L
108-90-7	Chlorobenzene	0.08	U	0.08	5	ug/L
100-41-4	Ethyl Benzene	0.08	U	0.08	5	ug/L
179601-23-1	m/p-Xylenes	0.2	U	0.2	10	ug/L
95-47-6	o-Xylene	0.13	U	0.13	5	ug/L
100-42-5	Styrene	0.11	U	0.11	5	ug/L
75-25-2	Bromoform	0.15	U	0.15	5	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	0.15	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.14	U	0.14	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.12	U	0.12	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.54	U	0.54	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.26	U	0.26	5	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		61 - 141	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		69 - 133	96%	SPK: 50
2037-26-5	Toluene-d8	49.2		65 - 126	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		58 - 135	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178107	5.67			
540-36-3	1,4-Difluorobenzene	286389	6.86			
3114-55-4	Chlorobenzene-d5	248710	10.12			
3855-82-1	1,4-Dichlorobenzene-d4	107091	12.08			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	13.1	J		3.04	ug/L

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/07/19
Client Sample ID:	RB-190506	SDG No.:	K2719
Lab Sample ID:	K2719-23	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009382.D	1		05/07/19 17:18	VX050719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2719	**OrderDate:**	5/7/2019 12:25:00 PM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2719-01	**P026-SS008-0206-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	
K2719-04	**P026-SS008-0206-02**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	
K2719-04RE	**P026-SS008-0206-02RE**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2719-05	**P026-SS008-0612-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	
K2719-06	**P026-SS008-1218-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	
K2719-07	**P026-SS008-1824-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	
K2719-08	**P026-SS009-0002-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	
K2719-08RE	**P026-SS009-0002-01RE**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2719-09	**P026-SS009-0206-01**	**SOIL**			**05/06/19**			**05/07/19**
			VOC-TCLVOA-10	8260C			05/11/19	

LAB CHRONICLE

K2719-09RE	P026-SS009-0206-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2719-10	P026-SS009-0612-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2719-11	P026-SS009-1218-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2719-12	P026-SS009-1824-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-13	P026-SS010-0002-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-13RE	P026-SS010-0002-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2719-14	P026-SS010-0206-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-14RE	P026-SS010-0206-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2719-15	P026-SS010-0612-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-15RE	P026-SS010-0612-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2719-16	P026-SS010-1218-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-16RE	P026-SS010-1218-01RE	SOIL			05/06/19		05/07/19

LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/12/19	
K2719-17	P026-SS010-1824-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-17RE	P026-SS010-1824-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2719-18	P026-SS011-0002-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-18RE	P026-SS011-0002-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2719-19	P026-SS011-0206-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-19RE	P026-SS011-0206-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-20	P026-SS011-0612-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-20RE	P026-SS011-0612-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-21	P026-SS011-1218-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-21RE	P026-SS011-1218-01RE	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-22	P026-SS011-1824-01	SOIL			05/06/19		05/07/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2719-23	RB-190506	Water			05/06/19		05/07/19

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

5

A

B

C

D

LAB CHRONICLE

VOC-TCLVOA-10	8260C	05/07/19

SHIPPING DOCUMENTS

K2719

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS008-0206-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:40	9	Encore	4 C	Y
	P026-SS008-0206-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:40	2	4 oz glass w/ septum	4 C	Y
	P026-SS008-0206-02	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:40	3	Encore	4 C	N
	P026-SS008-0206-02	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:40	1	4 oz glass w/ septum	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:51	3	Encore	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:51	1	4 oz glass w/ septum	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	15:58	3	Encore	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	15:58	1	4 oz glass w/ septum	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL VOCs (Solid)	5/6/2019	16:03	3	Encore	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:03	1	4 oz glass w/ septum	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:07	3	Encore	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:07	1	4 oz glass w/ septum	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:14	3	Encore	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:14	1	4 oz glass w/ septum	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:18	3	Encore	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:18	1	4 oz glass w/ septum	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:21	3	Encore	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:21	1	4 oz glass w/ septum	4 C	N
	P026-SS009-1824-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:29	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analysis	[signature] - Weston CSTS	5/6/2019 1900	[signature]	5-7-19 1005	4.6°C / IR Gun #1
					5.3°C

K2719

6

6.1

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS009-1824-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:29	1	4 oz glass w/ septum	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL VOCs (Solid)	5/6/2019	16:36	3	Encore	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:36	1	4 oz glass w/ septum	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	16:42	3	Encore	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:42	1	4 oz glass w/ septum	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	16:50	3	Encore	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:50	1	4 oz glass w/ septum	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	16:57	3	Encore	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	16:57	1	4 oz glass w/ septum	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	17:02	3	Encore	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:02	1	4 oz glass w/ septum	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:08	3	Encore	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:08	1	4 oz glass w/ septum	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL VOCs (Solid)	5/6/2019	17:15	3	Encore	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:15	1	4 oz glass w/ septum	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:19	3	Encore	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:19	1	4 oz glass w/ septum	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:20	3	Encore	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:20	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analysis	-Weston CDS	5/6/2019 1900		5-7-19 1005	4.6°C / IR Gun #1
					5.8°C

K2719

6

6.1

USEPA
DateShipped: 5/6/2019
CarrierName: FedEx
AirbillNo: 7751-4863-4890

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050619-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS011-1824-01	P026-SS011	Soil	TCL VOCs (Solid)	5/6/2019	17:20	3	Encore	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/6/2019	17:20	1	4 oz glass w/ septum	4 C	N
	RB-190506	RB-190506	DI Water	TCL VOCs (Aq)	5/6/2019	17:40	2	40 mL VOA	4 C, HCl pH<2	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] WESTON CSS	5/6/2019 1900	[signature]	5-7-19 1005	4.6°C / IR Gun #1 5.8°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

K2719

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page 1 of 1
Received By (Print Name) Gonzalez Nguyen		Log-in Date 5/7/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS008-0206-01	MA No. N/A

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No.	7751-4863-4890
6. Sample Tags Sample Tag #	Absent Not Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	4.6, 5.3 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/07/2019
12. Time Received	10:05

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS008-020E	n/a	K2719-01	Intact
2	K2719-01MS	n/a	K2719-02	Intact
3	K2719-01MSD	n/a	K2719-03	Intact
4	P026-SS008-020E	n/a	K2719-04	Intact
5	P026-SS008-0612	n/a	K2719-05	Intact
6	P026-SS008-121E	n/a	K2719-06	Intact
7	P026-SS008-1824	n/a	K2719-07	Intact
8	P026-SS009-0002	n/a	K2719-08	Intact
9	P026-SS009-020E	n/a	K2719-09	Intact
10	P026-SS009-0612	n/a	K2719-10	Intact
11	P026-SS009-121E	n/a	K2719-11	Intact
12	P026-SS009-1824	n/a	K2719-12	Intact
13	P026-SS010-0002	n/a	K2719-13	Intact
14	P026-SS010-020E	n/a	K2719-14	Intact
15	P026-SS010-0612	n/a	K2719-15	Intact
16	P026-SS010-121E	n/a	K2719-16	Intact
17	P026-SS010-1824	n/a	K2719-17	Intact
18	P026-SS011-0002	n/a	K2719-18	Intact
19	P026-SS011-020E	n/a	K2719-19	Intact
20	P026-SS011-0612	n/a	K2719-20	Intact
21	P026-SS011-121E	n/a	K2719-21	Intact
22	P026-SS011-1824	n/a	K2719-22	Intact
23	RB-190506	n/a	K2719-23	Intact
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	Logbook No.
Date 5/7/19	Logbook Page No.

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2733

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: [illegible] **Date:** 6/7/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL VOC analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample coolers' temperatures measured 3.7 and 4.6 Degrees Celsius (°C) respectively.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2733				
P021-SS001-0002-01	K2733-01	Soil	TCL VOCs	5/07/2019
P021-SS001-0002-02[1]	K2733-04	Soil	TCL VOCs	5/07/2019
P021-SS001-0206-01	K2733-05	Soil	TCL VOCs	5/07/2019
P021-SS001-0612-01	K2733-06	Soil	TCL VOCs	5/07/2019
P021-SS001-1218-01	K2733-07	Soil	TCL VOCs	5/07/2019
P021-SS001-1824-01	K2733-08	Soil	TCL VOCs	5/07/2019
P021-SS002-0002-01	K2733-09	Soil	TCL VOCs	5/07/2019
P021-SS002-0206-01	K2733-10	Soil	TCL VOCs	5/07/2019
P021-SS002-0612-01	K2733-11	Soil	TCL VOCs	5/07/2019
P021-SS002-1218-01	K2733-12	Soil	TCL VOCs	5/07/2019
P021-SS002-1824-01	K2733-13	Soil	TCL VOCs	5/07/2019
P021-SS003-0002-01	K2733-14	Soil	TCL VOCs	5/07/2019
P021-SS003-0206-01	K2733-15	Soil	TCL VOCs	5/07/2019
P021-SS003-0612-01	K2733-16	Soil	TCL VOCs	5/07/2019
P021-SS003-1218-01	K2733-17	Soil	TCL VOCs	5/07/2019
P021-SS003-1824-01	K2733-18	Soil	TCL VOCs	5/07/2019
P021-SS004-0002-01	K2733-19	Soil	TCL VOCs	5/07/2019
P021-SS004-0206-01	K2733-20	Soil	TCL VOCs	5/07/2019
P021-SS004-0612-01	K2733-21	Soil	TCL VOCs	5/07/2019

[1] A field duplicate sample of P021-SS001-0002-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P021-SS001-0206-01:
- UJ - all low-level non-detects.

P021-SS001-1824-01:
- UJ - all low-level non-detects.
- J - Acetone, isopropylbenzene.

P021-SS002-0002-01:
- UJ - all low-level non-detects.

P021-SS002-0206-01:
- J – Acetone

P021-SS002-0612-01:
- UJ - all low-level non-detects.
- J - Acetone

P021-SS002-1218-01:
- UJ - all low-level non-detects.
- J - Acetone

P021-SS002-1824-01:
- J - Acetone.

P021-SS003-0002-01:
UJ - all low-level non-detects.
J - Acetone
P021-SS003-0002-01RE:
UJ - all low-level non-detects.
P021-SS003-0206-01RE:
UJ - all low-level non-detects.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS/MSD analyses of sample P021-SS001-0002-01 yielded low or high MS and/or MSD recoveries for 1,1,2,2-tetrachloroethane 1,1-dichloroethane, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 2-hexanone, bromochloromethane, chloroethane, cis-1,3-dichloropropene, isopropylbenzene, and methylcyclohexane, styrene, and t-1,3-dichloropropene. Since the laboratory control sample analysis yielded acceptable recoveries, the non-compliant recoveries listed above in MS/MSD may be due to matrix interference. These analytes were either not detected or previously qualified due to non-compliance surrogate recoveries in sample P021-SS001-0002-01 and its field duplicate P021-SS001-0002-02, no action was required.

The relative percent differences (RPDs) of 1,1-dichloroethene, carbon disulfide, chloromethane, methyl acetate, and methylcyclohexane, exceeded the acceptance criteria in the MS/MSD analyses of sample P021-SS001-0002-01. These compounds were not detected or previously qualified due to non-compliance surrogate recoveries in sample P021-SS001-0002-01; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $\leq$20 for all target analytes. For the opening or closing CCV, %D must be $\leq$20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results

may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r ≥ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 6, 2019 on instruments MSVOA.F, the %RSD was greater than (>) 20 for methyl acetate. Since, methyl acetate was fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for methyl acetate. Since, methyl acetate was fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for 1,2,3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P021-SS001-0002-01, P021-SS001-0002-02, P021-SS001-0206-01, P021-SS001-0612-01, P021-SS001-1218-01, P021-SS001-1824-01, P021-SS002-0206-01, P021-SS002-0612-01, P021-SS002-1218-01, P021-SS002-1824-01, P021-SS003-0002-01, P021-SS003-0206-01, P021-SS003-1824-01, P021-SS001-0002-02RE, P021-SS001-1824-01RE, P021-SS002-0002-01, P021-SS002-0612-01RE, P021-SS003-0002-01RE, P021-SS003-0206-01RE, and P021-SS001-0206-01RE, no action were required.

For the CCV analyzed on 5/12/2019 at 11:51 on instrument MSVOA_D, the %D was >20 for bromomethane and acetone. The non-detected results for these compounds were estimated (UJ) for samples P021-SS001-0612-01 and P021-SS001-1218-01.

For the CCV analyzed on 5/12/2019 at 22:41 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, and 1,2,3-trichlorobenzene. The non-detected results for bromomethane and chloroethane were estimated (UJ) for samples P021-SS001-0002-01RE and P021-SS001-0002-04RE.

For the CCV analyzed on 5/13/2019 at 10:22 on instrument MSVOA_D, the %D was >20 for chloroethane, trichlorotrifluoroethane, carbon tetrachloride, bromochloromethane, chloroform, 1,1,1-trichloroethane and 1,2-dichloroethane. The non-detected results for these compounds were estimated (UJ) for samples P021-SS001-1824-01RE and P021-SS002-0612-01RE.

For the CCV analyzed on 5/13/2019 at 12:51 on instrument MSVOA_F, the %D was >20 for o-acetone and bromochloromethane. The non-detected results for these compounds were estimated (UJ) for samples P021-SS001-0612-01RE, P021-SS001-1218-01RE, P021-SS002-0206-01RE, P021-SS002-1218-01RE, and P021-SS002-1824-01RE.

<u>Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (less than [<]20% or <50%) or surrogate recoveries were not further qualified due to CCV recoveries >20%.</u>

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the

range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but <50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P021-SS001-0002-02[1], P021-SS001-0206-01[1], P021-SS001-1824-01[1], P021-SS002-0206-01[1], P021-SS002-0612-01, P021-SS002-1824-01, P021-SS003-0002-01[1], P021-SS003-0206-01, and **P021-SS003-1824-01,**
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P021-SS001-1824-01[1], P021-SS002-0206-01[1], P021-SS002-0612-01, P021-SS002-1824-01, P021-SS003-0002-01[1], and **P021-SS003-1824-01**
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P021-SS001-0002-01[1], P021-SS001-0002-02, P021-SS001-0206-01[1], P021-SS001-1824-01[1], P021-SS002-0206-01[1], P021-SS002-0612-01, P021-SS002-1218-01[1], P021-SS002-1824-01, P021-SS003-0002-01[1], P021-SS003-0206-01, and **P021-SS003-1824-01**
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P021-SS001-0002-01[1], P021-SS001-0002-01RE, P021-SS001-0002-02[1], P021-SS001-0206-01[1], P021-SS001-1824-01[1], P021-SS002-0206-01[1], P021-SS002-0612-01, P021-SS002-1218-01[1], P021-SS002-1824-01, P021-SS003-0002-01[1], P021-SS003-0206-01, P021-SS003-1824-01, P021-SS001-0612-01, P021-SS001-1218-01, P021-SS001-0002-02RE, P021-SS001-1824-01RE, P021-SS002-0002-01, P021-SS002-0612-01RE, P021-SS003-0002-01RE, P021-SS003-0206-01RE, P021-SS001-0206-01RE, P021-SS001-0612-01RE, P021-SS001-1218-01RE, P021-SS002-0206-01RE, P021-SS002-1218-01RE, and **P021-SS002-1824-01RE**

Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P021-SS001-0002-01MS, P021-SS001-0002-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Field duplicate pair P021-SS001-0002-01 and P021-SS001-0002-02 were submitted for soil samples. All criteria were met for all field duplicate pairs.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (≥85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (<85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported several non-target VOCs as TICs. The non-target VOCs are not project target analytes but were present in the sample and quantitated using the VOC calibration standards in the following samples:

P021-SS001-1218-01, P021-SS001-1824-01, P021-SS003-0206-01, P021-SS003-0612-01, P021SS003-1824-01:p-Isopropyltoluene
P021-SS003-0612-01: Naphthalene
P021-SS003-0612-01: sec-Butylbenzene

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recoveries of acetone and 1,2,3-trichlorobenzene exceeded the acceptance criteria in the laboratory control sample (LCS) associated with samples P021-SS001-0002-01, P021-SS001-0002-02, P021-SS001-0206-01, P021-SS001-0612-01, P021-SS001-1218-01, P021-SS001-1824-01, P021-SS002-0206-01, P021-SS002-0612-01, P021-SS002-1218-01, P021-SS002-1824-01, P021-SS003-0002-01, P021-SS003-0206-01, and P021-SS003-1824-01. The non-detected results for these compounds were not qualified, the detected acetone and 1,2,3-trichlorobenzene were estimated (J) in samples P021-SS001-1218-01, P021-SS002-0612-01, P021-SS002-1824-01, and P021-SS003-0206-01.

The recoveries of bromomethane, trichlorofluoromethane, 1,2-dichloroethane, and bromodichloromethane exceeded the acceptance criteria in the LCS associated with samples P021-SS001-1824-01RE, P021-SS002-0002-01, P021-SS002-0612-01RE, P021-SS003-0002-01RE, and P021-SS003-0206-01RE. The non-detected results for these compounds were not qualified.

The recoveries of 1,1,1-trichloroethane, 1,1-dichloroethane, carbon tetrachloride, chloroform, cis-1,2-dichloroethene, and trichloroethene exceeded the acceptance criteria in the LCS associated with samples P021-SS003-0612-01, P021-SS003-1218-01, P021-SS004-0002-01, P021-SS004-0206-01, and P021-SS004-0612-01. The non-detected results for these compounds were not qualified.

The recovery of carbon tetrachloride exceeded the acceptance criteria in the LCS associated with samples P021-SS001-0612-01RE, P021-SS001-1218-01RE, P021-SS002-0206-01RE, P021-SS002-1218-01RE, and P021-SS002-1824-01RE. The non-detected results for these compounds were not qualified.

Internal standards failed in samples P021-SS002-0002-01 and laboratory did not reanalyzed the sample. Laboratory indicated in case narrative that samples were analyzed using Vials A and B due to surrogate and internal standard failure. Since, the analysis of Vial A did not purge well, and there was no other vial left for further analysis, therefore the Vial B run was reported as final analysis. The Vial A raw data is reported in miscellaneous as screening data except sample P021-SS002-0002-01.

Samples P021-SS001-0002-02, P021-SS001-0206-01, P021-SS001-0612-01, P021-SS001-1218-01, P021-SS001-1824-01, P021-SS002-0206-01, P021-SS002-0612-01, P021-SS002-1218-01, P021-SS002-1824-01, P021-SS003-0002-01, and P021-SS003-0206-01 were re-analyzed due to surrogate and/or internal standard failures.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

The majority of samples in this SDG were analyzed as low-level VOCs and/or reanalyzed at low-level to either confirm that poor surrogate and internal standard recoveries were due to matrix effect. Samples P021-SS001-0002-01RE, P021-SS001-0002-02RE, P021-SS001-0206-01RE, P021-SS001-0612-01, P021-SS001-1218-01, P021-SS001-1824-01RE, P021-SS002-0206-01RE, P021-SS002-0612-01RE, P021-SS002-1218-01RE, P021-SS002-1824-01RE, P021-SS003-0002-01, and P021-SS003-0206-01 were used for reporting purposes with below exceptions.

For each sample that required multiple analyses, the reported analyses and reason for selection of the reported results on the data table are detailed in Section 13 below.

For samples P021-SS001-1824-01, acetone and isopropylbenzene, were detected in the initial analysis, it was re-analyzed and was not detected in re-analysis. Rather than report acetone and isopropylbenzene as non-detected, the result was transferred from the initial analysis to re-analysis as detected and qualified with the J qualifier due to low surrogate or internal standard recoveries.

For samples P021-SS002-0206-01, P021-SS002-1218-01, and P021-SS002-1824-01, acetone was detected in the initial analysis, it was re-analyzed and was not detected in re-analysis. Rather than report acetone as non-detected, the acetone result was transferred from the initial analysis to re-analysis as detected and qualified with the J qualifier due to low surrogate or internal standard recoveries.

For sample P021-SS001-0002-01, surrogate and internal standards were failed; and laboratory did not re-analyze the sample or provide explanation in case narrative. Data reviewer contacted the lab and was told that sample was re-analyzed. However, hardcopy was reported without re-analysis. Laboratory revised the data package to include re-analysis of sample P021-SS001-0002-01.

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-0002-01RE	P021-SS001-0002-02RE[1]	P021-SS001-0206-01RE	P021-SS001-0612-01	P021-SS001-1218-01
Lab Sample ID	K2733-01RE	K2733-04RE	K2733-05RE	K2733-06	K2733-07
Sample weight (g)	5.27	5.8	6.99	6.42	6.52
Moisture (%)	20.1	18.8	17.1	15.7	14.2
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.1 U	0.96 U	0.78 U	0.84 U	0.81 U
Chloromethane	2.1 U	1.9 U	1.5 U	1.6 U	1.6 U
Vinyl Chloride	1.3 U	1.2 U	0.96 U	1 U	0.99 U
Bromomethane	0.45 UJ	0.4 UJ	0.33 U	0.35 UJ	0.34 UJ
Chloroethane	0.68 UJ	0.61 UJ	0.5 U	0.53 U	0.51 U
Trichlorofluoromethane	0.77 U	0.69 U	0.56 U	0.6 U	0.58 U
1,1,2-Trichlorotrifluoroethane	0.95 U	0.85 U	0.69 U	0.74 U	0.72 U
1,1-Dichloroethene	1.2 U	1.1 U	0.86 U	0.92 U	0.89 U
Acetone	9.1 U	8.2 U	6.6 U	7.1 UJ	**10.9 J**
Carbon Disulfide	1.3 U	1.1 U	0.92 U	0.99 U	0.96 U
Methyl tert-butyl Ether	1.7 U	1.5 U	1.2 U	1.3 U	1.2 U
Methyl Acetate	3.3 U	3 U	2.4 U	2.6 U	2.5 U
Methylene Chloride	6.2 U	5.5 U	4.5 U	4.8 U	4.6 U
trans-1,2-Dichloroethene	1.5 U	1.3 U	1.1 U	1.2 U	1.1 U
1,1-Dichloroethane	1.1 U	0.97 U	0.79 U	0.84 U	0.81 U
Cyclohexane	2.1 U	1.9 U	1.6 U	1.7 U	1.6 U
2-Butanone	7.9 U	7.1 U	5.8 U	6.2 U	6 U
Carbon Tetrachloride	0.98 U	0.88 U	0.71 U	0.76 U	0.74 U
cis-1,2-Dichloroethene	1.2 U	1 U	0.85 U	0.91 U	0.88 U
Bromochloromethane	1.4 U	1.3 U	1 U	1.1 U	1.1 U
Chloroform	1 U	0.92 U	0.74 U	0.8 U	0.77 U
1,1,1-Trichloroethane	1.3 U	1.1 U	0.91 U	0.98 U	0.95 U
Methylcyclohexane	1.4 U	1.3 U	1 U	1.1 U	1.1 U
Benzene	1 U	0.89 U	0.72 U	0.77 U	0.75 U
1,2-Dichloroethane	1.4 U	1.3 U	1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	0.99 U	0.8 U	0.86 U	0.83 U
1,2-Dichloropropane	1.5 U	1.3 U	1.1 U	1.2 U	1.1 U
Bromodichloromethane	1.2 U	1.1 U	0.86 U	0.92 U	0.89 U
4-Methyl-2-Pentanone	6.6 U	5.9 U	4.8 U	5.2 U	5 U
Toluene	1.2 U	1 U	0.84 U	0.9 U	0.87 U
t-1,3-Dichloropropene	1.2 U	1.1 U	0.87 U	0.93 U	0.9 U
cis-1,3-Dichloropropene	1.3 U	1.1 U	0.92 U	0.99 U	0.96 U
1,1,2-Trichloroethane	1.7 U	1.5 U	1.2 U	1.3 U	1.3 U
2-Hexanone	8.8 U	7.8 U	6.4 U	6.8 U	6.6 U
Dibromochloromethane	1.6 U	1.4 U	1.1 U	1.2 U	1.2 U
1,2-Dibromoethane	1.5 U	1.4 U	1.1 U	1.2 U	1.2 U
Tetrachloroethene	0.83 U	0.74 U	0.6 U	0.64 U	0.62 U
Chlorobenzene	0.94 U	0.84 U	0.68 U	0.73 U	0.7 U
Ethyl Benzene	1 U	0.91 U	0.74 U	0.79 U	0.76 U
m/p-Xylenes	2 U	1.8 U	1.4 U	1.5 U	1.5 U
o-Xylene	1.3 U	1.2 U	0.95 U	1 U	0.98 U
Styrene	1.2 U	1.1 U	0.86 U	0.92 U	0.89 U
Bromoform	3.9 U	3.5 U	2.8 U	3 U	2.9 U
Isopropylbenzene	**3.7 J+**	**4 J+**	0.75 UJ	0.8 UJ	0.77 UJ
1,1,2,2-Tetrachloroethane	1.3 UJ	1.2 UJ	0.94 UJ	1 UJ	0.97 UJ
1,3-Dichlorobenzene	1.3 UJ	1.1 UJ	0.92 UJ	0.98 UJ	0.95 UJ
1,4-Dichlorobenzene	1.3 UJ	1.1 UJ	0.91 UJ	0.97 UJ	0.94 UJ
1,2-Dichlorobenzene	1.5 UJ	1.3 UJ	1.1 UJ	1.2 UJ	1.1 UJ
1,2-Dibromo-3-Chloropropane	4 UJ	3.5 UJ	2.9 UJ	3.1 UJ	3 UJ
1,2,4-Trichlorobenzene	1.3 UJ	1.2 UJ	0.96 UJ	1 UJ	0.99 UJ
1,2,3-Trichlorobenzene	1.5 UJ	1.4 UJ	1.1 UJ	1.2 UJ	1.1 UJ

U: Not detected at the indicated concentration

J: Estimated result/J+: Estimate result with a high bias

[1] A field duplicate of P021-SS001-0002-01

RE: Reanalysis

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-1824-01RE	P021-SS002-0002-01	P021-SS002-0206-01RE	P021-SS002-0612-01RE	P021-SS002-1218-01RE
Lab Sample ID	K2733-08RE	K2733-09	K2733-10RE	K2733-11RE	K2733-12RE
Sample weight (g)	7.01	5.3	6.55	5.31	5.51
Moisture (%)	15.1	12.7	16.7	11.6	17
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.76 U	0.98 UJ	0.83 U	0.97 U	0.99 U
Chloromethane	1.5 U	1.9 UJ	1.6 U	1.9 U	1.9 U
Vinyl Chloride	0.93 U	1.2 UJ	1 U	1.2 U	1.2 U
Bromomethane	0.32 U	0.41 UJ	0.35 U	0.4 U	0.41 U
Chloroethane	0.48 U	0.62 UJ	0.53 U	0.61 U	0.63 U
Trichlorofluoromethane	0.54 UJ	0.7 UJ	0.59 U	0.69 UJ	0.71 U
1,1,2-Trichlorotrifluoroethane	0.67 U	0.87 UJ	0.73 U	0.85 U	0.88 U
1,1-Dichloroethene	0.83 U	1.1 UJ	0.91 U	1.1 U	1.1 U
Acetone	***42.6 J**	8.3 UJ	***19.5 J**	**13 J**	***15.6 J**
Carbon Disulfide	0.9 U	1.2 UJ	0.98 U	1.1 U	1.2 U
Methyl tert-butyl Ether	1.2 U	1.5 UJ	1.3 U	1.5 U	1.5 U
Methyl Acetate	2.4 U	3 UJ	2.6 U	3 U	3.1 U
Methylene Chloride	4.4 U	5.6 UJ	4.8 U	5.5 U	5.7 U
trans-1,2-Dichloroethene	1.1 U	1.4 UJ	1.2 U	1.3 U	1.4 U
1,1-Dichloroethane	0.76 U	0.98 UJ	0.83 U	0.97 U	0.99 U
Cyclohexane	1.5 U	1.9 UJ	1.6 U	1.9 U	2 U
2-Butanone	5.6 U	7.2 UJ	6.1 U	7.1 U	7.3 U
Carbon Tetrachloride	0.69 UJ	0.89 UJ	0.76 U	0.88 UJ	0.9 U
cis-1,2-Dichloroethene	0.83 U	1.1 UJ	0.9 U	1.1 U	1.1 U
Bromochloromethane	1 UJ	1.3 UJ	1.1 UJ	1.3 UJ	1.3 UJ
Chloroform	0.73 UJ	0.93 UJ	0.79 U	0.92 UJ	0.94 U
1,1,1-Trichloroethane	0.89 UJ	1.1 UJ	0.97 U	1.1 UJ	1.2 U
Methylcyclohexane	0.99 U	1.3 UJ	1.1 U	1.3 U	1.3 U
Benzene	0.7 U	0.91 UJ	0.77 U	0.89 U	0.92 U
1,2-Dichloroethane	1 UJ	1.3 UJ	1.1 U	1.3 UJ	1.3 U
Trichloroethene	0.78 U	1 UJ	0.85 U	0.99 U	1 U
1,2-Dichloropropane	1 U	1.3 UJ	1.1 U	1.3 U	1.4 U
Bromodichloromethane	0.83 U	1.1 UJ	0.91 U	1.1 U	1.1 U
4-Methyl-2-Pentanone	4.7 U	6 UJ	5.1 U	6 U	6.1 U
Toluene	0.82 U	1.1 UJ	0.89 U	1 U	1.1 U
t-1,3-Dichloropropene	0.85 U	1.1 UJ	0.92 U	1.1 U	1.1 U
cis-1,3-Dichloropropene	0.9 U	1.2 UJ	0.98 U	1.1 U	1.2 U
1,1,2-Trichloroethane	1.2 U	1.5 UJ	1.3 U	1.5 U	1.6 U
2-Hexanone	6.2 U	8 UJ	6.8 U	7.9 U	8.1 U
Dibromochloromethane	1.1 U	1.4 UJ	1.2 U	1.4 U	1.4 U
1,2-Dibromoethane	1.1 U	1.4 UJ	1.2 U	1.4 U	1.4 U
Tetrachloroethene	0.58 U	0.75 UJ	0.64 U	0.74 U	0.76 U
Chlorobenzene	0.66 U	0.85 UJ	0.72 U	0.84 U	0.86 U
Ethyl Benzene	0.72 U	0.92 UJ	0.78 U	0.91 U	0.93 U
m/p-Xylenes	1.4 U	1.8 UJ	1.5 U	1.8 U	1.8 U
o-Xylene	0.92 U	1.2 UJ	1 U	1.2 U	1.2 U
Styrene	0.83 U	1.1 UJ	0.91 U	1.1 U	1.1 U
Bromoform	2.8 U	3.5 UJ	3 U	3.5 U	3.6 U
Isopropylbenzene	***8.7 J**	0.94 UJ	0.79 UJ	0.92 UJ	0.95 UJ
1,1,2,2-Tetrachloroethane	0.91 UJ	1.2 UJ	1 UJ	1.2 UJ	1.2 UJ
1,3-Dichlorobenzene	0.89 UJ	1.2 UJ	0.98 UJ	1.1 UJ	1.2 UJ
1,4-Dichlorobenzene	0.89 UJ	1.1 UJ	0.97 UJ	1.1 UJ	1.2 UJ
1,2-Dichlorobenzene	1.1 UJ	1.4 UJ	1.2 UJ	1.4 UJ	1.4 UJ
1,2-Dibromo-3-Chloropropane	2.8 UJ	3.6 UJ	3 UJ	3.5 UJ	3.6 UJ
1,2,4-Trichlorobenzene	0.93 UJ	1.2 UJ	1 UJ	1.2 UJ	1.2 UJ
1,2,3-Trichlorobenzene	1.1 UJ	1.4 UJ	1.2 UJ	1.4 UJ	1.4 UJ

U: Not detected at the indicated concentration.
RE: Reanalysis
J: Estimated result/J+: Estimate result with a high bias
µg/Kg = micrograms per kilogram
Bolded result - Detected Value
* Reported from original analysis

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS002-1824-01Re	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01
Lab Sample ID	K2733-13RE	K2733-14	K2733-15	K2733-16	K2733-17
Sample weight (g)	5.21	4	5.32	5.92	5.29
Moisture (%)	20.2	23.3	20.5	21.4	19.4
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.1 U	1.5 UJ	1.1 UJ	0.98 U	1.1 U
Chloromethane	2.1 U	2.9 UJ	2.1 UJ	1.9 U	2.1 U
Vinyl Chloride	1.3 U	1.8 UJ	1.3 UJ	1.2 U	1.3 U
Bromomethane	0.45 U	0.62 UJ	0.45 UJ	0.41 U	0.44 U
Chloroethane	0.69 U	0.94 UJ	0.68 UJ	0.62 U	0.67 U
Trichlorofluoromethane	0.78 U	1.1 UJ	0.76 UJ	0.69 U	0.76 U
1,1,2-Trichlorotrifluoroethane	0.96 U	1.3 UJ	0.95 UJ	0.86 U	0.94 U
1,1-Dichloroethene	1.2 U	1.6 UJ	1.2 UJ	1.1 U	1.2 U
Acetone	***21.3 J**	**140 J**	**56.7 J**	8.2 U	9 U
Carbon Disulfide	1.3 U	1.7 UJ	1.3 UJ	1.2 U	1.3 U
Methyl tert-butyl Ether	1.7 U	2.3 UJ	1.6 UJ	1.5 U	1.6 U
Methyl Acetate	3.4 U	4.6 UJ	3.3 UJ	3 U	3.3 U
Methylene Chloride	6.2 U	8.5 UJ	6.1 UJ	5.6 U	6.1 U
trans-1,2-Dichloroethene	1.5 U	2.1 UJ	1.5 UJ	1.4 U	1.5 U
1,1-Dichloroethane	1.1 U	1.5 UJ	1.1 UJ	0.98 U	1.1 U
Cyclohexane	2.2 U	2.9 UJ	2.1 UJ	1.9 U	2.1 U
2-Butanone	8 U	10.9 UJ	7.9 UJ	7.2 U	7.8 U
Carbon Tetrachloride	0.99 U	1.3 UJ	0.98 U	0.89 U	0.97 U
cis-1,2-Dichloroethene	1.2 U	1.6 UJ	1.2 UJ	1.1 U	1.2 U
Bromochloromethane	1.4 UJ	1.9 UJ	1.4 UJ	1.3 U	1.4 U
Chloroform	1 U	1.4 UJ	1 UJ	0.93 U	1 U
1,1,1-Trichloroethane	1.3 U	1.7 UJ	1.3 UJ	1.1 U	1.2 U
Methylcyclohexane	1.4 U	1.9 UJ	1.4 U	1.3 U	1.4 U
Benzene	1 U	1.4 UJ	0.99 U	0.9 U	0.98 U
1,2-Dichloroethane	1.4 U	2 UJ	1.4 U	1.3 U	1.4 U
Trichloroethene	1.1 U	1.5 UJ	1.1 U	1 U	1.1 U
1,2-Dichloropropane	1.5 U	2 UJ	1.5 U	1.3 U	1.5 U
Bromodichloromethane	1.2 U	1.6 UJ	1.2 U	1.1 U	1.2 U
4-Methyl-2-Pentanone	6.7 U	9.1 UJ	6.6 U	6 U	6.6 U
Toluene	1.2 U	1.6 UJ	1.2 U	1 U	1.1 U
t-1,3-Dichloropropene	1.2 U	1.6 UJ	1.2 U	1.1 U	1.2 U
cis-1,3-Dichloropropene	1.3 U	1.7 UJ	1.3 U	1.2 U	1.3 U
1,1,2-Trichloroethane	1.7 U	2.3 UJ	1.7 U	1.5 U	1.7 U
2-Hexanone	8.9 U	12 UJ	8.7 U	7.9 U	8.7 U
Dibromochloromethane	1.6 U	2.1 UJ	1.6 U	1.4 U	1.5 U
1,2-Dibromoethane	1.6 U	2.1 UJ	1.5 U	1.4 U	1.5 U
Tetrachloroethene	0.84 U	1.1 UJ	0.82 UJ	0.75 U	0.82 U
Chlorobenzene	0.95 U	1.3 UJ	0.93 UJ	0.85 U	0.92 U
Ethyl Benzene	1 U	1.4 UJ	1 UJ	0.92 U	1 U
m/p-Xylenes	2 U	2.7 UJ	2 UJ	1.8 U	1.9 U
o-Xylene	1.3 U	1.8 UJ	1.3 UJ	1.2 U	1.3 U
Styrene	1.2 U	1.6 UJ	1.2 UJ	1.1 U	1.2 U
Bromoform	3.9 U	5.3 UJ	3.9 UJ	3.5 U	3.8 U
Isopropylbenzene	1 UJ	1.4 UJ	1 UJ	0.93 U	1 U
1,1,2,2-Tetrachloroethane	1.3 UJ	1.8 UJ	1.3 UJ	1.2 U	1.3 U
1,3-Dichlorobenzene	1.3 UJ	1.7 UJ	1.3 UJ	1.1 U	1.2 U
1,4-Dichlorobenzene	1.3 UJ	1.7 UJ	1.2 UJ	1.1 U	1.2 U
1,2-Dichlorobenzene	1.5 UJ	2.1 UJ	1.5 UJ	1.4 U	1.5 U
1,2-Dibromo-3-Chloropropane	4 UJ	5.4 UJ	3.9 UJ	3.6 U	3.9 U
1,2,4-Trichlorobenzene	1.3 UJ	1.8 UJ	1.3 UJ	1.2 U	1.3 U
1,2,3-Trichlorobenzene	1.5 UJ	2.1 UJ	1.5 UJ	1.4 U	1.5 U

U: Not detected at the indicated concentration

J: Estimated result/J+: Estimate result with a high bias

* Reported from original analysis

RE: Reanalysis

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01
Lab Sample ID	K2733-18	K2733-19	K2733-20	K2733-21
Sample weight (g)	6.27	5.19	5.61	6.65
Moisture (%)	18.5	23.6	18.2	12.6
Dilution Factor	1	1	1	1
Volatile Organic Compounds (ug/kg)				
Dichlorodifluoromethane	0.89 UJ	1.1 U	0.99 U	0.78 U
Chloromethane	1.7 UJ	2.2 U	1.9 U	1.5 U
Vinyl Chloride	1.1 UJ	1.4 U	1.2 U	0.96 U
Bromomethane	0.37 UJ	0.48 U	0.41 U	0.33 U
Chloroethane	0.56 UJ	0.73 U	0.63 U	0.49 U
Trichlorofluoromethane	0.63 UJ	0.81 U	0.7 U	0.56 U
1,1,2-Trichlorotrifluoroethane	0.78 UJ	1 U	0.87 U	0.69 U
1,1-Dichloroethene	0.97 UJ	1.3 U	1.1 U	0.85 U
Acetone	7.5 UJ	9.7 U	8.4 U	6.6 U
Carbon Disulfide	1 UJ	1.4 U	1.2 U	0.92 U
Methyl tert-butyl Ether	1.4 UJ	1.8 U	1.5 U	1.2 U
Methyl Acetate	2.8 UJ	3.5 U	3.1 U	2.4 U
Methylene Chloride	5.1 UJ	6.6 U	5.7 U	4.5 U
trans-1,2-Dichloroethene	1.2 UJ	1.6 U	1.4 U	1.1 U
1,1-Dichloroethane	0.89 UJ	1.1 U	0.99 U	0.78 U
Cyclohexane	1.8 UJ	2.3 U	2 U	1.5 U
2-Butanone	6.5 UJ	8.4 U	7.3 U	5.7 U
Carbon Tetrachloride	0.81 UJ	1 U	0.9 U	0.71 U
cis-1,2-Dichloroethene	0.96 UJ	1.2 U	1.1 U	0.85 U
Bromochloromethane	1.2 UJ	1.5 U	1.3 U	1 U
Chloroform	0.84 UJ	1.1 U	0.94 U	0.74 U
1,1,1-Trichloroethane	1 UJ	1.3 U	1.2 U	0.91 U
Methylcyclohexane	1.2 UJ	1.5 U	1.3 U	1 U
Benzene	0.82 UJ	1.1 U	0.91 U	0.72 U
1,2-Dichloroethane	1.2 UJ	1.5 U	1.3 U	1 U
Trichloroethene	0.91 UJ	1.2 U	1 U	0.8 U
1,2-Dichloropropane	1.2 UJ	1.6 U	1.4 U	1.1 U
Bromodichloromethane	0.97 UJ	1.3 U	1.1 U	0.85 U
4-Methyl-2-Pentanone	5.5 UJ	7.1 U	6.1 U	4.8 U
Toluene	0.95 UJ	1.2 U	1.1 U	0.84 U
t-1,3-Dichloropropene	0.98 UJ	1.3 U	1.1 U	0.87 U
cis-1,3-Dichloropropene	1 UJ	1.3 U	1.2 U	0.92 U
1,1,2-Trichloroethane	1.4 UJ	1.8 U	1.6 U	1.2 U
2-Hexanone	7.2 UJ	9.3 U	8 U	6.3 U
Dibromochloromethane	1.3 UJ	1.7 U	1.4 U	1.1 U
1,2-Dibromoethane	1.3 UJ	1.6 U	1.4 U	1.1 U
Tetrachloroethene	0.68 UJ	0.88 U	0.76 U	0.6 U
Chlorobenzene	0.77 UJ	0.99 U	0.86 U	0.68 U
Ethyl Benzene	0.84 UJ	1.1 U	0.93 U	0.73 U
m/p-Xylenes	1.6 UJ	2.1 U	1.8 U	1.4 U
o-Xylene	1.1 UJ	1.4 U	1.2 U	0.94 U
Styrene	0.97 UJ	1.2 U	1.1 U	0.85 U
Bromoform	3.2 UJ	4.1 U	3.6 U	2.8 U
Isopropylbenzene	**3.8 J+**	1.1 U	0.94 U	0.74 U
1,1,2,2-Tetrachloroethane	1.1 UJ	1.4 U	1.2 U	0.93 U
1,3-Dichlorobenzene	1 UJ	1.3 U	1.2 U	0.92 U
1,4-Dichlorobenzene	1 UJ	1.3 U	1.1 U	0.91 U
1,2-Dichlorobenzene	1.2 UJ	1.6 U	1.4 U	1.1 U
1,2-Dibromo-3-Chloropropane	3.3 UJ	4.2 U	3.6 U	2.9 U
1,2,4-Trichlorobenzene	1.1 UJ	1.4 U	1.2 U	0.96 U
1,2,3-Trichlorobenzene	1.2 UJ	1.6 U	1.4 U	1.1 U

U: Not detected at the indicated concentration.

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

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Cover Page

Order ID : K2733

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2733-01	P021-SS001-0002-01
K2733-02	K2733-01MS
K2733-03	K2733-01MSD
K2733-04	P021-SS001-0002-02
K2733-05	P021-SS001-0206-01
K2733-06	P021-SS001-0612-01
K2733-07	P021-SS001-1218-01
K2733-08	P021-SS001-1824-01
K2733-09	P021-SS002-0002-01
K2733-10	P021-SS002-0206-01
K2733-11	P021-SS002-0612-01
K2733-12	P021-SS002-1218-01
K2733-13	P021-SS002-1824-01
K2733-14	P021-SS003-0002-01
K2733-15	P021-SS003-0206-01
K2733-16	P021-SS003-0612-01
K2733-17	P021-SS003-1218-01
K2733-18	P021-SS003-1824-01
K2733-19	P021-SS004-0002-01
K2733-20	P021-SS004-0206-01
K2733-21	P021-SS004-0612-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 5/15/2019

By Mildred V Reyes, QAQC Supervisor at 3:37 pm, May 15, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2733
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/08/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for P021-SS001-0002-01 [1,2-Dichloroethane-d4 - 122%, Toluene-d8 - 63%], P021-SS001-0002-02 [1,2-Dichloroethane-d4 - 129%], P021-SS001-0206-01 [1,2-Dichloroethane-d4 - 141%, Toluene-d8 - 65%], P021-SS001-1824-01 [1,2-Dichloroethane-d4 - 179%, Toluene-d8 - 64%], P021-SS002-0002-01 [Toluene-d8 - 65%], P021-SS002-0206-01 [1,2-Dichloroethane-d4 - 172%, Toluene-d8 - 62%], P021-SS002-0612-01 [1,2-Dichloroethane-d4 - 172%], P021-SS002-1218-01 [Toluene-d8 - 54%], P021-SS002-1824-01 [1,2-Dichloroethane-d4 - 189%, Dibromofluoromethane - 146%], P021-SS003-0002-01 [1,2-Dichloroethane-d4 - 122%, Toluene-d8 - 62%], P021-SS003-0002-01RE [Toluene-d8 - 64%], P021-SS003-0206-01RE [Toluene-d8 - 58%], P026-SS012-0002-01MSD [1,2-Dichloroethane-d4 - 126%]. Samples were reanalyzed to confirm the surrogate failure.

The Internal Standards Areas met the acceptable requirements except for P021-SS001-0002-01, P021-SS001-0002-01MS, P021-SS001-0002-01MSD, P021-SS001-0206-01, P021-SS001-0612-01, P021-SS001-0612-01RE, P021-SS001-1218-01, P021-SS001-1218-01RE, P021-SS001-1824-01, P021-SS001-1824-01RE, P021-SS002-0002-01, P021-SS002-0206-01, P021-SS002-0612-01, P021-SS002-1218-01, P021-SS002-1824-

01, P021-SS003-0002-01, P021-SS003-0002-01RE, P021-SS003-0206-01, P021-SS003-0206-01RE and P021-SS003-1824-01. Samples were reanalyzed to confirm the failure.

The Retention Times were acceptable for all samples.

The MS {K2733-02MS} with File ID: VD062257.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[210%], 1,1-Dichloroethane[139%], 1,2,4-Trichlorobenzene[36%], 1,2-Dibromo-3-Chloropropane[174%], 2-Hexanone[38%], Bromochloromethane[149%], Chloroethane[165%], cis-1,3-Dichloropropene[64%], Isopropylbenzene[144%] and Methylcyclohexane[39%] .

The MSD {K2733-03MSD} with File ID: VD062258.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[189%], 1,2,4-Trichlorobenzene[37%], 1,2-Dibromo-3-Chloropropane[149%], 2-Hexanone[33%], Bromochloromethane[158%], cis-1,3-Dichloropropene[54%], Methylcyclohexane[30%], Styrene[57%] and t-1,3-Dichloropropene[61%] .

The RPD for met the criteria except for 1,1-Dichloroethene[23%], Carbon disulfide[22%], Chloromethane[22%], Methyl Acetate[24%] and Methylcyclohexane[27%] .

The MS/MSD have internal standard recovery failure and some of the compounds are failing the recovery requirement.. The sample analysis confirms failure for internal standard recovery

The Blank Spike for {VD0512SBS01} with File ID: VD062254.D met requirements for all samples except for 1,2,3-Trichlorobenzene[127%], Acetone[140%] .

The Blank Spike for {VD0513SBS01} with File ID: VD062297.D met requirements for all samples except for 1,2-Dichloroethane[132%], Bromodichloromethane[124%], Bromomethane[150%] and Trichlorofluoromethane[136%].

The Blank Spike for {VF0511SBS02} with File ID: VF062476.D met requirements for all samples except for 1,1,1-Trichloroethane[134%], 1,1-Dichloroethane[131%], Carbon Tetrachloride[142%], Chloroform[128%], cis-1,2-Dichloroethene[123%] and Trichloroethene[125%].

The Blank Spike for {VF0513SBS01} with File ID: VF062543.D met requirements for all samples except for Carbon Tetrachloride[131%] .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate. This compound is passing on Linear regression.

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The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82F050219S.M) for Bromomethane, Methyl Acetate and Carbon Tetrachloride, these compounds are passing on Linear regression.

The Continuous Calibration File ID VD062252.D met the requirements except for Bromomethane, Acetone and 1,2,3 Trichlorobenzene. These compounds were not found in the samples except for Acetone which failure was considered marginal. No further corrective action was taken.
The Continuous Calibration File ID VD062273.D met the requirements except for Bromomethane, Chloroethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.
The Continuous Calibration File ID VD062295.D met the requirements except for Chloroethane, Trichlorotrifluoroethane, Carbon Tetrachloride, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane and 1,2-Dichloroethane. These compounds were not found in the samples.
The Continuous Calibration File ID VD062339.D met the requirements except for Bromomethane, Chloroethane, Trichlorotrifluoroethane, Carbon Tetrachloride, Bromochloromethane, Bromochloromethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.

The Continuous Calibration File ID VF062539.D met the requirements except for Acetone. All samples associated with this continuous calibration were for internal standard confirmation. No further corrective action was taken.

Samples P021-SS002-0002-01 and P021-SS004-0002-01were analyzed using Vials A and B due to surrogate and internal standard failure. The analysis of Vial A did not purge well. There was no other vial for further reanalysis. The first analysis raw data is in the screening data section.

Sample P021-SS001-0002-02 was received in encore. The sample first analysis failed for surrogate and internal standard, The lab analyzed second vial as corrective action sample confirm failure but the hits are not matching. No further analysis was performed due to the lack of additional encores for this sample.

The Tuning criteria met requirements.

E. Additional Comments:
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial

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Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% /20%for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:37 pm, May 15, 2019

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	6.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not used

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062256.D	1		05/12/19 13:57	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.38	U	0.38	5	ug/Kg
75-00-3	Chloroethane	0.58	U	0.58	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.8	U	0.8	5	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5	ug/Kg
67-64-1	Acetone	7.7	UJ	7.7	25.1	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5	ug/Kg
75-09-2	Methylene Chloride	5.2	U	5.2	10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.7	U	6.7	25.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	U	0.83	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.99	U	0.99	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5	ug/Kg
67-66-3	Chloroform	0.87	U	0.87	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.6	U	5.6	25.1	ug/Kg
108-88-3	Toluene	0.98	U	0.98	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	6.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

Do not used

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
VD062256 D	1		05/12/19 13:57	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.4	U	7.4	25.1	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.7	U	0.7	5	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	5	ug/Kg
100-41-4	Ethyl Benzene	0.86	U	0.86	5	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	1	U	1	5	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5	ug/Kg
98-82-8	Isopropylbenzene	0.87	U	0.87	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UØ	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61	*	56 - 120	122%	SPK: 50
1868-53-7	Dibromofluoromethane	58.5		57 - 135	117%	SPK: 50
2037-26-5	Toluene-d8	31.5	*	67 - 123	63%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.2		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	459845	7.05			
540-36-3	1,4-Difluorobenzene	646660	8.23			
3114-55-4	Chlorobenzene-d5	447937	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	140818	14.52			
TENTATIVE IDENTIFIED COMPOUNDS						
000075-18-3	Dimethyl sulfide	9	J N		3.27	ug/Kg

<50%

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	6.23 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062256.D	1		05/12/19 13:57	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

5/30/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	5.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062287.D	1		05/13/19 05:36	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	9.1	U	9.1	29.7	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.2	U	6.2	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	1	U	1	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.7	ug/Kg
108-88-3	Toluene	1.2	U	1.2	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	5.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062287.D	1		05/13/19 05:36	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	29.7	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	5.9	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.9	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	3.7	~~J~~ J+	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U J	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		56 - 120	109%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	34.2		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.4		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	513787	7.07			
540-36-3	1,4-Difluorobenzene	712875	8.24			
3114-55-4	Chlorobenzene-d5	497278	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	171876	14.53	<50%		

5/30/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.1
Sample Wt/Vol:	5.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062287.D	1		05/13/19 05:36	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2733
Lab Sample ID:	K2733-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.8
Sample Wt/Vol:	5.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062259.D	1		05/12/19 15:19	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U J	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.8	UQ	8.8	28.7	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.7	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	U	0.95	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U J	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.99	U	0.99	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.7	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2733
Lab Sample ID:	K2733-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.8
Sample Wt/Vol:	5.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not bge

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062259.D	1		05/12/19 15:19	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.5	U	8.5	28.7	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.8	U J	0.8	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.98	U	0.98	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	UØ	1.5	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.6	*	56 - 120	129%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		57 - 135	115%	SPK: 50
2037-26-5	Toluene-d8	36		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.1		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	441109	7.07			
540-36-3	1,4-Difluorobenzene	730414	8.24			
3114-55-4	Chlorobenzene-d5	500825	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	174725	14.53			
TENTATIVE IDENTIFIED COMPOUNDS						
000075-18-3	Dimethyl sulfide	10.1	J N		3.28	ug/Kg

< 50.1'

5/27/19

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2733
Lab Sample ID:	K2733-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.8
Sample Wt/Vol:	5.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062259.D	1		05/12/19 15:19	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-02RE	SDG No.:	K2733
Lab Sample ID:	K2733-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.8
Sample Wt/Vol:	5.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062289.D	1		05/13/19 06:32	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	5.3	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.3	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.3	ug/Kg
74-83-9	Bromomethane	0.4	UJ	0.4	5.3	ug/Kg
75-00-3	Chloroethane	0.61	UJ	0.61	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U	0.69	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.3	ug/Kg
67-64-1	Acetone	8.2	UQ	8.2	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.3	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.3	ug/Kg
75-09-2	Methylene Chloride	5.5	U	5.5	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.97	U	0.97	5.3	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.3	ug/Kg
78-93-3	2-Butanone	7.1	U	7.1	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.3	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.3	ug/Kg
67-66-3	Chloroform	0.92	U	0.92	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.3	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.3	ug/Kg
71-43-2	Benzene	0.89	U	0.89	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.3	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.3	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.9	U	5.9	26.5	ug/Kg
108-88-3	Toluene	1	U	1	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-02RE	SDG No.:	K2733
Lab Sample ID:	K2733-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.8
Sample Wt/Vol:	5.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062289.D	1		05/13/19 06:32	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.3	ug/Kg
591-78-6	2-Hexanone	7.8	U	7.8	26.5	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.3	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	5.3	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	5.3	ug/Kg
100-41-4	Ethyl Benzene	0.91	U	0.91	5.3	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.6	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.3	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.3	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.3	ug/Kg
98-82-8	Isopropylbenzene	4	J J+	0.92	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U J	1.2	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	UØ	1.4	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	33.6		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.4		33 - 141	55%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	522390	7.07			
540-36-3	1,4-Difluorobenzene	717043	8.23			
3114-55-4	Chlorobenzene-d5	435849	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	149040	14.52			

5/27/19.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0002-02RE	SDG No.:	K2733
Lab Sample ID:	K2733-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.8
Sample Wt/Vol:	5.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062289.D	1		05/13/19 06:32	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	6.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062260.D	1		05/12/19 15:47	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U J	0.9	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.38	U	0.38	5	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.8	U	0.8	5	ug/Kg
75-35-4	1,1-Dichloroethene	0.99	U	0.99	5	ug/Kg
67-64-1	Acetone	7.6	UQ	7.6	24.9	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5	ug/Kg
75-09-2	Methylene Chloride	5.2	U	5.2	10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.98	U	0.98	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.93	U	0.93	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	5	ug/Kg
75-27-4	Bromodichloromethane	0.99	U	0.99	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.6	U	5.6	24.9	ug/Kg
108-88-3	Toluene	0.97	U	0.97	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	6.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062260.D	1		05/12/19 15:47	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.9	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	5	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	5	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	5	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	10	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	0.99	U	0.99	5	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UQ	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	70.7	*	56 - 120	141%	SPK: 50
1868-53-7	Dibromofluoromethane	60		57 - 135	120%	SPK: 50
2037-26-5	Toluene-d8	32.5	*	67 - 123	65%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.6		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	434325	7.07			
540-36-3	1,4-Difluorobenzene	682362	8.24			
3114-55-4	Chlorobenzene-d5	447817	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	148734	14.53			

< 50.1

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	6.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062260.D	1		05/12/19 15:47	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	6.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062344.D	1		05/14/19 14:12	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	0.78	4.3	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.3	ug/Kg
75-01-4	Vinyl Chloride	0.96	U	0.96	4.3	ug/Kg
74-83-9	Bromomethane	0.33	U	0.33	4.3	ug/Kg
75-00-3	Chloroethane	0.5	U	0.5	4.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U	0.56	4.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	0.69	4.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.3	ug/Kg
67-64-1	Acetone	6.6	U	6.6	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	4.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.3	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.3	ug/Kg
75-09-2	Methylene Chloride	4.5	U	4.5	8.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.79	U	0.79	4.3	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.3	ug/Kg
78-93-3	2-Butanone	5.8	U	5.8	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.85	U	0.85	4.3	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.3	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	4.3	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.3	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.3	ug/Kg
79-01-6	Trichloroethene	0.8	U	0.8	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.3	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	4.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.8	U	4.8	21.6	ug/Kg
108-88-3	Toluene	0.84	U	0.84	4.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.87	U	0.87	4.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.92	U	0.92	4.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	6.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062344.D	1		05/14/19 14:12	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.3	ug/Kg
591-78-6	2-Hexanone	6.4	U	6.4	21.6	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.3	ug/Kg
127-18-4	Tetrachloroethene	0.6	U	0.6	4.3	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	4.3	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	4.3	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.6	ug/Kg
95-47-6	o-Xylene	0.95	U	0.95	4.3	ug/Kg
100-42-5	Styrene	0.86	U	0.86	4.3	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.3	ug/Kg
98-82-8	Isopropylbenzene	0.75	U J	0.75	4.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.94	U	0.94	4.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.92	U	0.92	4.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.91	U	0.91	4.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	2.9	4.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.96	U	0.96	4.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	36.4		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	26.1		33 - 141	52%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	678007	7.07			
540-36-3	1,4-Difluorobenzene	934200	8.24			
3114-55-4	Chlorobenzene-d5	625347	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	192331	14.53	— < 50·1		

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-05RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.1
Sample Wt/Vol:	6.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062344.D	1		05/14/19 14:12	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	6.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062261.D	1		05/12/19 16:14	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	4.6	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	U J	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	U	0.6	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.74	U	0.74	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	4.6	ug/Kg
67-64-1	Acetone	7.1	UQ J	7.1	23.1	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	4.6	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.6	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.8	U	0.8	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.92	U	0.92	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.1	ug/Kg
108-88-3	Toluene	0.9	U	0.9	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.99	U	0.99	4.6	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	6.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

A B C D

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062261.D	1		05/12/19 16:14	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.8	U	6.8	23.1	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.64	U	0.64	4.6	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.79	U	0.79	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.2	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.92	U	0.92	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.8	U J	0.8	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.98	U	0.98	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.97	U	0.97	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UJ	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		56 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	35.9		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	32		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	517667	7.07			
540-36-3	1,4-Difluorobenzene	771344	8.24			
3114-55-4	Chlorobenzene-d5	568956	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	193598	14.52	— < 50.1		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	6.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062261.D	1		05/12/19 16:14	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0612-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062552.D	1		05/13/19 20:07	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.8	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.96	U	0.96	4.8	ug/Kg
67-64-1	Acetone	7.4	U J	7.4	24.1	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	5	U	5	9.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.4	U	6.4	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.8	U	0.8	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	4.8	ug/Kg
74-97-5	Bromochloromethane	1.2	U J	1.2	4.8	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.81	U	0.81	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.8	ug/Kg
79-01-6	Trichloroethene	0.9	U	0.9	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.96	U	0.96	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.4	U	5.4	24.1	ug/Kg
108-88-3	Toluene	0.94	U	0.94	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.97	U	0.97	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0612-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062552.D	1		05/13/19 20:07	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7.1	U	7.1	24.1	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	4.8	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.7	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.8	ug/Kg
100-42-5	Styrene	0.96	U	0.96	4.8	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.84	U J	0.84	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	37.2		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.1		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	274469	5.08			
540-36-3	1,4-Difluorobenzene	373455	5.8			
3114-55-4	Chlorobenzene-d5	268856	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	124092	12.62	- < 50%		

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-0612-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	6.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062552.D	1		05/13/19 20:07	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.2
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062262.D	1		05/12/19 16:42	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.81	U	0.81	4.5	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.5	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	4.5	ug/Kg
74-83-9	Bromomethane	0.34	U J	0.34	4.5	ug/Kg
75-00-3	Chloroethane	0.51	U	0.51	4.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.58	U	0.58	4.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	4.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
67-64-1	Acetone	10.9	JQ J	6.9	22.3	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	2.5	4.5	ug/Kg
75-09-2	Methylene Chloride	4.6	U	4.6	8.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	4.5	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.5	ug/Kg
78-93-3	2-Butanone	6	U	6	22.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	4.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	4.5	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.5	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	4.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	4.5	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.5	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.5	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	4.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.5	ug/Kg
75-27-4	Bromodichloromethane	0.89	U	0.89	4.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5	U	5	22.3	ug/Kg
108-88-3	Toluene	0.87	U	0.87	4.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.9	U	0.9	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.96	U	0.96	4.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.2
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062262.D	1		05/12/19 16:42	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.5	ug/Kg
591-78-6	2-Hexanone	6.6	U	6.6	22.3	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.5	ug/Kg
127-18-4	Tetrachloroethene	0.62	U	0.62	4.5	ug/Kg
108-90-7	Chlorobenzene	0.7	U	0.7	4.5	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	4.5	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	8.9	ug/Kg
95-47-6	o-Xylene	0.98	U	0.98	4.5	ug/Kg
100-42-5	Styrene	0.89	U	0.89	4.5	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.5	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	4.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.95	U	0.95	4.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	4.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.99	U	0.99	4.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	UJ	1.1	4.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		56 - 120	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	36.6		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.4		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	519581	7.06			
540-36-3	1,4-Difluorobenzene	800913	8.23			
3114-55-4	Chlorobenzene-d5	520102	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	167589	14.53			
TENTATIVE IDENTIFIED COMPOUNDS						
000080-56-8	alpha-Pinene	12	J N		13.39	ug/Kg
000127-91-3	beta-Pinene	10.8	J N		13.98	ug/Kg
99-87-6	p-Isopropyltoluene	1.1	J		14.5	ug/Kg

< 50:1

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.2
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062262.D	1		05/12/19 16:42	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1218-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.2
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062553.D	1		05/13/19 20:35	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.81	U	0.81	4.4	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.4	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	4.4	ug/Kg
74-83-9	Bromomethane	0.34	U	0.34	4.4	ug/Kg
75-00-3	Chloroethane	0.51	U	0.51	4.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.57	U	0.57	4.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.71	U	0.71	4.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.88	U	0.88	4.4	ug/Kg
67-64-1	Acetone	6.8	U J	6.8	22.2	ug/Kg
75-15-0	Carbon Disulfide	0.95	U	0.95	4.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.4	ug/Kg
79-20-9	Methyl Acetate	2.5	U	2.5	4.4	ug/Kg
75-09-2	Methylene Chloride	4.6	U	4.6	8.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	4.4	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.4	ug/Kg
78-93-3	2-Butanone	5.9	U	5.9	22.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U Ø	0.73	4.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	4.4	ug/Kg
74-97-5	Bromochloromethane	1.1	U J	1.1	4.4	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.94	U	0.94	4.4	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.4	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.4	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.4	ug/Kg
75-27-4	Bromodichloromethane	0.88	U	0.88	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5	U	5	22.2	ug/Kg
108-88-3	Toluene	0.87	U	0.87	4.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.9	U	0.9	4.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.95	U	0.95	4.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1218-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.2
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062553.D	1		05/13/19 20:35	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.4	ug/Kg
591-78-6	2-Hexanone	6.6	U	6.6	22.2	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.4	ug/Kg
127-18-4	Tetrachloroethene	0.62	U	0.62	4.4	ug/Kg
108-90-7	Chlorobenzene	0.7	U	0.7	4.4	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	4.4	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	8.9	ug/Kg
95-47-6	o-Xylene	0.98	U	0.98	4.4	ug/Kg
100-42-5	Styrene	0.88	U	0.88	4.4	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.4	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.95	U	0.95	4.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.99	U	0.99	4.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	34.2		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.7		33 - 141	59%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248762	5.08			
540-36-3	1,4-Difluorobenzene	346474	5.8			
3114-55-4	Chlorobenzene-d5	253616	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	117704	12.62			

3/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1218-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.2
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062553.D	1		05/13/19 20:35	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062263.D	1		05/12/19 17:10	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
67-64-1	Acetone	42.6	Q	7.2	23.5	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.5	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.95	U	0.95	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062263.D	1		05/12/19 17:10	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U J	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.5	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.4	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.93	U	0.93	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	8.7		0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UQ	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	89.7	*	56 - 120	179%	SPK: 50
1868-53-7	Dibromofluoromethane	65.2		57 - 135	130%	SPK: 50
2037-26-5	Toluene-d8	32.1	*	67 - 123	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.3		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	277891	7.06			
540-36-3	1,4-Difluorobenzene	468198	8.23			
3114-55-4	Chlorobenzene-d5	309913	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	106956	14.52			
TENTATIVE IDENTIFIED COMPOUNDS						
003387-41-5	Bicyclo[3.1.0]hexane, 4-methylene-	19.1	J N		13.92	ug/Kg
000127-91-3	.beta.-Pinene	110	J N		13.98	ug/Kg
99-87-6	p-Isopropyltoluene	12.7	J		14.49	ug/Kg

5/27/19

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062263.D	1		05/12/19 17:10	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1824-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	7.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062311.D	1		05/13/19 18:11	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.76	U	0.76	4.2	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.2	ug/Kg
75-01-4	Vinyl Chloride	0.93	U	0.93	4.2	ug/Kg
74-83-9	Bromomethane	0.32	U~~Ø~~	0.32	4.2	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	4.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.54	U~~Ø~~ J	0.54	4.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.67	U	0.67	4.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
67-64-1	Acetone	~~6.4~~ 42.6	~~U~~ J	6.4	21	ug/Kg
75-15-0	Carbon Disulfide	0.9	U	0.9	4.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.2	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.2	ug/Kg
75-09-2	Methylene Chloride	4.4	U	4.4	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.2	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.2	ug/Kg
78-93-3	2-Butanone	5.6	U	5.6	21	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U J	0.69	4.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
74-97-5	Bromochloromethane	1	U J	1	4.2	ug/Kg
67-66-3	Chloroform	0.73	U J	0.73	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U J	0.89	4.2	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	4.2	ug/Kg
71-43-2	Benzene	0.7	U	0.7	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	1	U~~Ø~~ J	1	4.2	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	1	U	1	4.2	ug/Kg
75-27-4	Bromodichloromethane	0.83	U~~Ø~~	0.83	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.7	U	4.7	21	ug/Kg
108-88-3	Toluene	0.82	U	0.82	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.85	U	0.85	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.9	U	0.9	4.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1824-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	7.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062311.D	1		05/13/19 18:11	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.2	ug/Kg
591-78-6	2-Hexanone	6.2	U	6.2	21	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.2	ug/Kg
127-18-4	Tetrachloroethene	0.58	U	0.58	4.2	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.2	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	4.2	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.4	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	4.2	ug/Kg
100-42-5	Styrene	0.83	U	0.83	4.2	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.2	ug/Kg
98-82-8	Isopropylbenzene * 8.7	0.73	U J+	0.73	4.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U J	0.91	4.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	4.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	42.4		57 - 135	85%	SPK: 50
2037-26-5	Toluene-d8	35		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	29		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	492644	7.06			
540-36-3	1,4-Difluorobenzene	700971	8.23			
3114-55-4	Chlorobenzene-d5	495390	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	195857	14.53			

* Sample results reported from original analysis—

5K7119

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS001-1824-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-08RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	7.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062311.D	1		05/13/19 18:11	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.7
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062312.D	1		05/13/19 18:39	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U J	0.98	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U Ø	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U Ø	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.3	U	8.3	27	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	5.6	U	5.6	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	U	0.98	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	27	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	U	0.89	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U Ø	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U Ø	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6	U	6	27	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.7
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062312.D	1		05/13/19 18:39	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U J	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.8	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.94	U	0.94	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	32.3	*	67 - 123	65%	SPK: 50
460-00-4	4-Bromofluorobenzene	26.9		33 - 141	54%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	471472	7.06			
540-36-3	1,4-Difluorobenzene	661554	8.23			
3114-55-4	Chlorobenzene-d5	443845	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	145285	14.53	< 50%		

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.7
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062312.D	1		05/13/19 18:39	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062265.D	1		05/12/19 18:05	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U J	0.9	4.9	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	4.9	ug/Kg
67-64-1	Acetone	19.5	J	7.6	24.7	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.9	U	0.9	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.98	U	0.98	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.83	U	0.83	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.7	ug/Kg
108-88-3	Toluene	0.96	U	0.96	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	4.9	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062265.D	1		05/12/19 18:05	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.7	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	4.9	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.9	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.98	U	0.98	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UJ	1.3	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	85.8	*	56 - 120	172%	SPK: 50
1868-53-7	Dibromofluoromethane	64.5		57 - 135	129%	SPK: 50
2037-26-5	Toluene-d8	31	*	67 - 123	62%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.6		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257665	7.05			
540-36-3	1,4-Difluorobenzene	418878	8.22			
3114-55-4	Chlorobenzene-d5	293267	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	125912	14.52			

<50%

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use.

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062265.D	1		05/12/19 18:05	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-10RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062554.D	1		05/13/19 21:03	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U	0.83	4.6	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
67-64-1	Acetone *19.5	~~7~~	~~U~~ J	7	22.9	ug/Kg
75-15-0	Carbon Disulfide	0.98	U	0.98	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.83	U	0.83	4.6	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.6	ug/Kg
78-93-3	2-Butanone	6.1	U	6.1	22.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.9	U	0.9	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U J	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.91	U	0.91	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.1	U	5.1	22.9	ug/Kg
108-88-3	Toluene	0.89	U	0.89	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.92	U	0.92	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.98	U	0.98	4.6	ug/Kg

* sample result reported based on final analysis.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-10RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062554.D	1		05/13/19 21:03	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.8	U	6.8	22.9	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.64	U	0.64	4.6	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.78	U	0.78	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.2	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.91	U	0.91	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.79	U J	0.79	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.98	U	0.98	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.97	U	0.97	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.7		56 - 120	85%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	34.4		67 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.7		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	265686	5.07			
540-36-3	1,4-Difluorobenzene	344721	5.78			
3114-55-4	Chlorobenzene-d5	254365	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	115530	12.63	< 50%		

5/27/19.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-10RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062554.D	1		05/13/19 21:03	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.6
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062266.D	1		05/12/19 18:32	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U J	0.84	4.6	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.53	U	0.53	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.59	U	0.59	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.74	U	0.74	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
67-64-1	Acetone	23.1	Q J	7.1	23	ug/Kg
75-15-0	Carbon Disulfide	0.98	U	0.98	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	4.6	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.6	ug/Kg
78-93-3	2-Butanone	6.1	U	6.1	23	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.91	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.77	U	0.77	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.91	U	0.91	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.1	U	5.1	23	ug/Kg
108-88-3	Toluene	0.9	U	0.9	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.98	U	0.98	4.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.6
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062266.D	1		05/12/19 18:32	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U J	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.8	U	6.8	23	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.64	U	0.64	4.6	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.78	U	0.78	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.2	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.91	U	0.91	4.6	ug/Kg
75-25-2	Bromoform	3	U	3	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.8	U	0.8	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.98	U	0.98	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.97	U	0.97	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UJ	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	85.8	*	56 - 120	172%	SPK: 50
1868-53-7	Dibromofluoromethane	61.2		57 - 135	122%	SPK: 50
2037-26-5	Toluene-d8	33.7		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.1		33 - 141	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267774	7.06			
540-36-3	1,4-Difluorobenzene	458643	8.23			
3114-55-4	Chlorobenzene-d5	317982	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	155973	14.52			

< 50 · 1.

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.6
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062266.D	1		05/12/19 18:32	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0612-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.6
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062313.D	1		05/13/19 19:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.97	U	0.97	5.3	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.3	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.3	ug/Kg
74-83-9	Bromomethane	0.4	U~~Ø~~	0.4	5.3	ug/Kg
75-00-3	Chloroethane	0.61	U	0.61	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U~~Ø~~ J	0.69	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.3	ug/Kg
67-64-1	Acetone	13	J	8.2	26.6	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.3	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.3	ug/Kg
75-09-2	Methylene Chloride	5.5	U	5.5	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.97	U	0.97	5.3	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.3	ug/Kg
78-93-3	2-Butanone	7.1	U	7.1	26.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U J	0.88	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.3	ug/Kg
74-97-5	Bromochloromethane	1.3	U J	1.3	5.3	ug/Kg
67-66-3	Chloroform	0.92	U J	0.92	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U J	1.1	5.3	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.3	ug/Kg
71-43-2	Benzene	0.89	U	0.89	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U~~Ø~~ J	1.3	5.3	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.3	ug/Kg
75-27-4	Bromodichloromethane	1.1	U~~Ø~~	1.1	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6	U	6	26.6	ug/Kg
108-88-3	Toluene	1	U	1	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0612-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.6
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062313.D	1		05/13/19 19:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.3	ug/Kg
591-78-6	2-Hexanone	7.9	U	7.9	26.6	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.3	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	5.3	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	5.3	ug/Kg
100-41-4	Ethyl Benzene	0.91	U	0.91	5.3	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.7	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.3	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.3	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.3	ug/Kg
98-82-8	Isopropylbenzene	0.92	U J	0.92	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		56 - 120	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	35.2		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	476435	7.06			
540-36-3	1,4-Difluorobenzene	661986	8.23			
3114-55-4	Chlorobenzene-d5	454077	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	169699	14.53	— <50%		

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-0612-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.6
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062313.D	1		05/13/19 19:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17
Sample Wt/Vol:	5.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062267.D	1		05/12/19 19:00	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	5.3	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.3	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.3	ug/Kg
74-83-9	Bromomethane	0.4	U	0.4	5.3	ug/Kg
75-00-3	Chloroethane	0.61	U	0.61	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.68	U	0.68	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.3	ug/Kg
67-64-1	Acetone	15.6	~~J~~	8.1	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.3	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.3	ug/Kg
75-09-2	Methylene Chloride	5.5	U	5.5	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.96	U	0.96	5.3	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.3	ug/Kg
78-93-3	2-Butanone	7.1	U	7.1	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.3	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.3	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.3	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.3	ug/Kg
71-43-2	Benzene	0.89	U	0.89	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.3	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.3	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.9	U	5.9	26.5	ug/Kg
108-88-3	Toluene	1	U	1	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17
Sample Wt/Vol:	5.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use.

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062267.D	1		05/12/19 19:00	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U J	1.5	5.3	ug/Kg
591-78-6	2-Hexanone	7.8	U	7.8	26.5	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.3	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	5.3	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	5.3	ug/Kg
100-41-4	Ethyl Benzene	0.9	U	0.9	5.3	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.6	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.3	ug/Kg
100-42-5	Styrene	1	U	1	5.3	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.3	ug/Kg
98-82-8	Isopropylbenzene	0.92	U	0.92	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UQ	1.3	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	27.1	*	67 - 123	54%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.1		33 - 141	54%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	455453	7.07			
540-36-3	1,4-Difluorobenzene	642863	8.24			
3114-55-4	Chlorobenzene-d5	426138	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	186914	14.53			

< 50.1

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17
Sample Wt/Vol:	5.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062267.D	1		05/12/19 19:00	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1218-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062555.D	1		05/13/19 21:31	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	5.5	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone * 15.6	~~8.4~~	~~U~~ J	8.4	27.3	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	10.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	U	0.9	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U J	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.94	U	0.94	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.3	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

* Sample result reported from original analysis

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1218-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062555.D	1		05/13/19 21:31	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.3	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.5	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.9	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	34.2		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.8		33 - 141	48%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271117	5.08			
540-36-3	1,4-Difluorobenzene	352336	5.8			
3114-55-4	Chlorobenzene-d5	227161	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	85010	12.63	< 50·1.		

@ 5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1218-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062555.D	1		05/13/19 21:31	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062268.D	1		05/12/19 19:27	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.6	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.6	ug/Kg
75-00-3	Chloroethane	0.64	U	0.64	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	21.3	JQ	8.5	27.8	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.6	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.6	ug/Kg
75-09-2	Methylene Chloride	5.8	U	5.8	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.96	U	0.96	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.93	U	0.93	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.6	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.8	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062268.D	1		05/12/19 19:27	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U J	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.2	U	8.2	27.8	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.6	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11.1	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.96	U	0.96	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	UØ	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	94.3	*	56 - 120	189%	SPK: 50
1868-53-7	Dibromofluoromethane	73.1	*	57 - 135	146%	SPK: 50
2037-26-5	Toluene-d8	35.3		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8		33 - 141	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272059	7.07			
540-36-3	1,4-Difluorobenzene	434511	8.24			
3114-55-4	Chlorobenzene-d5	317365	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	113745	14.53			

<50%

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062268.D	1		05/12/19 19:27	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1824-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062556.D	1		05/13/19 21:59	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	6	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.78	U	0.78	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	*21.3 ~~9.2~~	U J	9.2	30.1	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.4	U	3.4	6	ug/Kg
75-09-2	Methylene Chloride	6.2	U	6.2	12	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6	ug/Kg
78-93-3	2-Butanone	8	U	8	30.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U J	1.4	6	ug/Kg
67-66-3	Chloroform	1	U	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	30.1	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6	ug/Kg

* sample result transferred from the original analysis. *

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1824-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062556.D	1		05/13/19 21:59	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.9	U	8.9	30.1	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	6	ug/Kg
108-90-7	Chlorobenzene	0.95	U	0.95	6	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	12	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.8		56 - 120	82%	SPK: 50
1868-53-7	Dibromofluoromethane	43.5		57 - 135	87%	SPK: 50
2037-26-5	Toluene-d8	33.7		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.9		33 - 141	50%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	277399	5.08			
540-36-3	1,4-Difluorobenzene	349452	5.79			
3114-55-4	Chlorobenzene-d5	251283	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	107040	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS002-1824-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-13RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062556.D	1		05/13/19 21:59	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.3
Sample Wt/Vol:	4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062269.D	1		05/12/19 19:55	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	1.5	8.1	ug/Kg
74-87-3	Chloromethane	2.9	U	2.9	8.1	ug/Kg
75-01-4	Vinyl Chloride	1.8	U	1.8	8.1	ug/Kg
74-83-9	Bromomethane	0.62	U	0.62	8.1	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	8.1	ug/Kg
75-69-4	Trichlorofluoromethane	1.1	U	1.1	8.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	1.3	8.1	ug/Kg
75-35-4	1,1-Dichloroethene	1.6	U	1.6	8.1	ug/Kg
67-64-1	Acetone	140	Q	12.5	40.7	ug/Kg
75-15-0	Carbon Disulfide	1.7	U	1.7	8.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.3	U	2.3	8.1	ug/Kg
79-20-9	Methyl Acetate	4.6	U	4.6	8.1	ug/Kg
75-09-2	Methylene Chloride	8.5	U	8.5	16.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.1	U	2.1	8.1	ug/Kg
75-34-3	1,1-Dichloroethane	1.5	U	1.5	8.1	ug/Kg
110-82-7	Cyclohexane	2.9	U	2.9	8.1	ug/Kg
78-93-3	2-Butanone	10.9	U	10.9	40.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.3	U	1.3	8.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.6	U	1.6	8.1	ug/Kg
74-97-5	Bromochloromethane	1.9	U	1.9	8.1	ug/Kg
67-66-3	Chloroform	1.4	U	1.4	8.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.7	U	1.7	8.1	ug/Kg
108-87-2	Methylcyclohexane	1.9	U	1.9	8.1	ug/Kg
71-43-2	Benzene	1.4	U	1.4	8.1	ug/Kg
107-06-2	1,2-Dichloroethane	2	U	2	8.1	ug/Kg
79-01-6	Trichloroethene	1.5	U	1.5	8.1	ug/Kg
78-87-5	1,2-Dichloropropane	2	U	2	8.1	ug/Kg
75-27-4	Bromodichloromethane	1.6	U	1.6	8.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.1	U	9.1	40.7	ug/Kg
108-88-3	Toluene	1.6	U	1.6	8.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.6	U	1.6	8.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.7	U	1.7	8.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.3
Sample Wt/Vol:	4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062269.D	1		05/12/19 19:55	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.3	U J	2.3	8.1	ug/Kg
591-78-6	2-Hexanone	12	U	12	40.7	ug/Kg
124-48-1	Dibromochloromethane	2.1	U	2.1	8.1	ug/Kg
106-93-4	1,2-Dibromoethane	2.1	U	2.1	8.1	ug/Kg
127-18-4	Tetrachloroethene	1.1	U	1.1	8.1	ug/Kg
108-90-7	Chlorobenzene	1.3	U	1.3	8.1	ug/Kg
100-41-4	Ethyl Benzene	1.4	U	1.4	8.1	ug/Kg
179601-23-1	m/p-Xylenes	2.7	U	2.7	16.3	ug/Kg
95-47-6	o-Xylene	1.8	U	1.8	8.1	ug/Kg
100-42-5	Styrene	1.6	U	1.6	8.1	ug/Kg
75-25-2	Bromoform	5.3	U	5.3	8.1	ug/Kg
98-82-8	Isopropylbenzene	1.4	U	1.4	8.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.8	U	1.8	8.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	8.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.7	U	1.7	8.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.1	U	2.1	8.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U	5.4	8.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	8.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.1	UQ	2.1	8.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.8	*	56 - 120	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		57 - 135	106%	SPK: 50
2037-26-5	Toluene-d8	31	*	67 - 123	62%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.4		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	333853	7.06			
540-36-3	1,4-Difluorobenzene	506440	8.23			
3114-55-4	Chlorobenzene-d5	364398	12.37	<50%		
3855-82-1	1,4-Dichlorobenzene-d4	148171	14.52			

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.3
Sample Wt/Vol:	4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062269.D	1		05/12/19 19:55	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0002-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.3
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use.

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062314.D	1		05/13/19 19:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U J	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.6	ug/Kg
74-83-9	Bromomethane	0.43	UQ	0.43	5.6	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	UQ	0.73	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	8.7	U	8.7	28.2	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.6	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.5	U	7.5	28.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	U	0.93	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	UQ	1.4	5.6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	UQ	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.3	U	6.3	28.2	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0002-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.3
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062314.D	1		05/13/19 19:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U J	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.3	U	8.3	28.2	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.6	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.96	U	0.96	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.3	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	32	*	67 - 123	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	27		33 - 141	54%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	476621	7.06			
540-36-3	1,4-Difluorobenzene	634887	8.23			
3114-55-4	Chlorobenzene-d5	423847	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	146403	14.53			

< 50%

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0002-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.3
Sample Wt/Vol:	5.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062314.D	1		05/13/19 19:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.5
Sample Wt/Vol:	5.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062270.D	1		05/12/19 20:23	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	56.7	~~U~~ J	9.1	29.6	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.1	U	6.1	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U J	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U J	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U J	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U J	1.3	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.99	U	0.99	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.6	ug/Kg
108-88-3	Toluene	1.2	U	1.2	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.5
Sample Wt/Vol:	5.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062270.D	1		05/12/19 20:23	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.6	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U J	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.8	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	33.7		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.2		33 - 141	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	425024	7.05			
540-36-3	1,4-Difluorobenzene	614091	8.22			
3114-55-4	Chlorobenzene-d5	465536	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	179877	14.52			
TENTATIVE IDENTIFIED COMPOUNDS						
007785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]	26.1	J		13.4	ug/Kg
000079-92-5	Camphene	17.2	J		13.66	ug/Kg
000127-91-3	.beta.-Pinene	16	J		13.98	ug/Kg

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.5
Sample Wt/Vol:	5.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062270.D	1		05/12/19 20:23	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-87-6	p-Isopropyltoluene	1.4	J		14.49	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.5
Sample Wt/Vol:	5.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062315.D	1		05/13/19 20:02	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.45	UØ	0.45	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	UØ	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	9.1	U	9.1	29.5	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.1	U	6.1	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.99	U	0.99	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	UØ	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	UØ	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.5	ug/Kg
108-88-3	Toluene	1.2	U	1.2	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.5
Sample Wt/Vol:	5.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062315.D	1		05/13/19 20:02	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.8	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	29.1	*	67 - 123	58%	SPK: 50
460-00-4	4-Bromofluorobenzene	31		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	492004	7.06			
540-36-3	1,4-Difluorobenzene	663710	8.24			
3114-55-4	Chlorobenzene-d5	430831	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	176097	14.52	< 50%		

5/27/19

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0206-01RE	SDG No.:	K2733
Lab Sample ID:	K2733-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.5
Sample Wt/Vol:	5.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062315.D	1		05/13/19 20:02	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062478.D	1		05/12/19 01:03	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U	0.69	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.2	U	8.2	26.9	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	5.6	U	5.6	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	UQ	0.98	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	26.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	UQ	0.89	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	UQ	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.93	UQ	0.93	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UQ	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.9	U	0.9	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	UQ	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6	U	6	26.9	ug/Kg
108-88-3	Toluene	1	U	1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062478.D	1		05/12/19 01:03	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	7.9	U	7.9	26.9	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.7	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.93	U	0.93	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.9		56 - 120	78%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	36.1		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.1		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	280014	5.07			
540-36-3	1,4-Difluorobenzene	355884	5.79			
3114-55-4	Chlorobenzene-d5	285999	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	149480	12.62			
TENTATIVE IDENTIFIED COMPOUNDS						
007785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]-	18.4	J N		10.78	ug/Kg
000080-56-8	alpha.-Pinene	580	J N		10.96	ug/Kg
005794-04-7	Bicyclo[2.2.1]heptane, 2,2-dimethy-	160	J N		11.32	ug/Kg

5/27/19

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062478.D	1		05/12/19 01:03	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
018172-67-3	Bicyclo[3.1.1]heptane, 6,6-dimethy	160	J N		11.75	ug/Kg
135-98-8	sec-Butylbenzene	3	J		12.35	ug/Kg
99-87-6	p-Isopropyltoluene	18.4	J		12.52	ug/Kg
91-20-3	Naphthalene	2.7	J		14.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.4
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062479.D	1		05/12/19 01:31	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.44	U	0.44	5.9	ug/Kg
75-00-3	Chloroethane	0.67	U	0.67	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	9	U	9	29.3	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.1	U	6.1	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	UQ	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.8	U	7.8	29.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	UQ	0.97	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	UQ	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	UQ	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.98	U	0.98	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	UQ	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.3	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.4
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062479.D	1		05/12/19 01:31	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.3	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.7	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		56 - 120	102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		57 - 135	107%	SPK: 50
2037-26-5	Toluene-d8	38.9		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		33 - 141	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	235128	5.07			
540-36-3	1,4-Difluorobenzene	328031	5.79			
3114-55-4	Chlorobenzene-d5	271289	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	150702	12.62			

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2733
Lab Sample ID:	K2733-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.4
Sample Wt/Vol:	5.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062479.D	1		05/12/19 01:31	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062271.D	1		05/12/19 20:50	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.89	U	0.89	4.9	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.9	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.9	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	4.9	ug/Kg
75-00-3	Chloroethane	0.56	U	0.56	4.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.63	U	0.63	4.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	4.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.9	ug/Kg
67-64-1	Acetone	7.5	UQ	7.5	24.5	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	4.9	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	4.9	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.89	U	0.89	4.9	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	4.9	ug/Kg
78-93-3	2-Butanone	6.5	U	6.5	24.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.96	U	0.96	4.9	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	4.9	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	4.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.9	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	4.9	ug/Kg
71-43-2	Benzene	0.82	U	0.82	4.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.9	ug/Kg
79-01-6	Trichloroethene	0.91	U	0.91	4.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.9	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	4.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.5	ug/Kg
108-88-3	Toluene	0.95	U	0.95	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.98	U	0.98	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062271.D	1		05/12/19 20:50	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.9	ug/Kg
591-78-6	2-Hexanone	7.2	U	7.2	24.5	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	4.9	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	4.9	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.9	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	4.9	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.8	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.9	ug/Kg
100-42-5	Styrene	0.97	U	0.97	4.9	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	4.9	ug/Kg
98-82-8	Isopropylbenzene	3.8	J J+	0.85	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U J	1.1	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	4.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UJ	1.2	4.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		56 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	40.6		67 - 123	81%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.1		33 - 141	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	407800	7.06			
540-36-3	1,4-Difluorobenzene	558040	8.23			
3114-55-4	Chlorobenzene-d5	459007	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	222992	14.52			
TENTATIVE IDENTIFIED COMPOUNDS						
000079-92-5	Camphene	14.6	J N		13.65	ug/Kg
018172-67-3	Bicyclo[3.1.1]heptane, 6,6-dimethy	72.2	J N		13.98	ug/Kg
99-87-6	p-Isopropyltoluene	1	J		14.49	ug/Kg

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2733
Lab Sample ID:	K2733-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062271.D	1		05/12/19 20:50	VD051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.6
Sample Wt/Vol:	5.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062481.D	1		05/12/19 02:27	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6.3	ug/Kg
74-87-3	Chloromethane	2.2	U	2.2	6.3	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.3	ug/Kg
74-83-9	Bromomethane	0.48	U	0.48	6.3	ug/Kg
75-00-3	Chloroethane	0.73	U	0.73	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.81	U	0.81	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.3	ug/Kg
67-64-1	Acetone	9.7	U	9.7	31.5	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.3	ug/Kg
79-20-9	Methyl Acetate	3.5	U	3.5	6.3	ug/Kg
75-09-2	Methylene Chloride	6.6	U	6.6	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	UQ	1.1	6.3	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.3	ug/Kg
78-93-3	2-Butanone	8.4	U	8.4	31.5	ug/Kg
56-23-5	Carbon Tetrachloride	1	UQ	1	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	UQ	1.2	6.3	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.3	ug/Kg
67-66-3	Chloroform	1.1	UQ	1.1	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	UQ	1.3	6.3	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.3	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.3	ug/Kg
79-01-6	Trichloroethene	1.2	UQ	1.2	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.3	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.1	U	7.1	31.5	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.6
Sample Wt/Vol:	5.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062481.D	1		05/12/19 02:27	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U	1.8	6.3	ug/Kg
591-78-6	2-Hexanone	9.3	U	9.3	31.5	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.3	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	6.3	ug/Kg
108-90-7	Chlorobenzene	0.99	U	0.99	6.3	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.3	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.6	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.3	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6.3	ug/Kg
75-25-2	Bromoform	4.1	U	4.1	6.3	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.2	U	4.2	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		56 - 120	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		57 - 135	106%	SPK: 50
2037-26-5	Toluene-d8	35.8		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	32		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256582	5.07			
540-36-3	1,4-Difluorobenzene	338370	5.79			
3114-55-4	Chlorobenzene-d5	234881	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	107413	12.62			

5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2733
Lab Sample ID:	K2733-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.6
Sample Wt/Vol:	5.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062481.D	1		05/12/19 02:27	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.2
Sample Wt/Vol:	5.61 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062482.D	1		05/12/19 02:55	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.4	U	8.4	27.2	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.4	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	10.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	UQ	0.99	5.4	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.4	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	UQ	0.9	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	UQ	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.94	UQ	0.94	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	UQ	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.2	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.2
Sample Wt/Vol:	5.61 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062482.D	1		05/12/19 02:55	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27.2	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.4	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.9	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.94	U	0.94	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	40.1		67 - 123	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		33 - 141	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	235145	5.07			
540-36-3	1,4-Difluorobenzene	327092	5.79			
3114-55-4	Chlorobenzene-d5	273396	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	153073	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0206-01	SDG No.:	K2733
Lab Sample ID:	K2733-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.2
Sample Wt/Vol:	5.61 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062482.D	1		05/12/19 02:55	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	6.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062483.D	1		05/12/19 03:23	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	0.78	4.3	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.3	ug/Kg
75-01-4	Vinyl Chloride	0.96	U	0.96	4.3	ug/Kg
74-83-9	Bromomethane	0.33	U	0.33	4.3	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	4.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U	0.56	4.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	0.69	4.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.85	U	0.85	4.3	ug/Kg
67-64-1	Acetone	6.6	U	6.6	21.5	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	4.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.3	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.3	ug/Kg
75-09-2	Methylene Chloride	4.5	U	4.5	8.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.78	UQ	0.78	4.3	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.3	ug/Kg
78-93-3	2-Butanone	5.7	U	5.7	21.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	UQ	0.71	4.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.85	UQ	0.85	4.3	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.3	ug/Kg
67-66-3	Chloroform	0.74	UQ	0.74	4.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	UQ	0.91	4.3	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.3	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.3	ug/Kg
79-01-6	Trichloroethene	0.8	UQ	0.8	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.3	ug/Kg
75-27-4	Bromodichloromethane	0.85	U	0.85	4.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.8	U	4.8	21.5	ug/Kg
108-88-3	Toluene	0.84	U	0.84	4.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.87	U	0.87	4.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.92	U	0.92	4.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	6.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062483.D	1		05/12/19 03:23	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.3	ug/Kg
591-78-6	2-Hexanone	6.3	U	6.3	21.5	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.3	ug/Kg
127-18-4	Tetrachloroethene	0.6	U	0.6	4.3	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	4.3	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	4.3	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.6	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	4.3	ug/Kg
100-42-5	Styrene	0.85	U	0.85	4.3	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.3	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	4.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.92	U	0.92	4.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.91	U	0.91	4.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	2.9	4.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.96	U	0.96	4.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.9		56 - 120	90%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	33.8		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.8		33 - 141	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223323	5.07			
540-36-3	1,4-Difluorobenzene	317410	5.79			
3114-55-4	Chlorobenzene-d5	270637	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	149319	12.62			

⑥ 5/27/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2733
Lab Sample ID:	K2733-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	6.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	ul.	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062483.D	1		05/12/19 03:23	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2733	**OrderDate:**	5/8/2019 10:01:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2733-01	**P021-SS001-0002-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2733-04	**P021-SS001-0002-02**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2733-04RE	**P021-SS001-0002-02RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2733-05	**P021-SS001-0206-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2733-05RE	**P021-SS001-0206-01RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2733-06	**P021-SS001-0612-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2733-06RE	**P021-SS001-0612-01RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2733-07	**P021-SS001-1218-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2733-07RE	**P021-SS001-1218-01RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	

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K2733-08	P021-SS001-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-08RE	P021-SS001-1824-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-09	P021-SS002-0002-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-10	P021-SS002-0206-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-10RE	P021-SS002-0206-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-11	P021-SS002-0612-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-11RE	P021-SS002-0612-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-12	P021-SS002-1218-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-12RE	P021-SS002-1218-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-13	P021-SS002-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-13RE	P021-SS002-1824-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-14	P021-SS003-0002-01	SOIL			05/07/19		05/08/19

LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/12/19	
K2733-14RE	P021-SS003-0002-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-15	P021-SS003-0206-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-15RE	P021-SS003-0206-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2733-16	P021-SS003-0612-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-17	P021-SS003-1218-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-18	P021-SS003-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-19	P021-SS004-0002-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-20	P021-SS004-0206-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2733-21	P021-SS004-0612-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	

SHIPPING DOCUMENTS

K2733

5

5.1

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS001-0002-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:40	9	Encore	4 C	Y
	P021-SS001-0002-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:40	2	4 oz glass w/ septum	4 C	Y
	P021-SS001-0002-02	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:40	3	Encore	4 C	N
	P021-SS001-0002-02	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:40	1	4 oz glass w/ septum	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:46	3	Encore	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:46	1	4 oz glass w/ septum	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:53	3	Encore	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:53	1	4 oz glass w/ septum	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	11:58	3	Encore	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:58	1	4 oz glass w/ septum	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL VOCs (Solid)	5/7/2019	12:03	3	Encore	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:03	1	4 oz glass w/ septum	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:14	3	Encore	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:14	1	4 oz glass w/ septum	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:23	3	Encore	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:23	1	4 oz glass w/ septum	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:31	3	Encore	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:31	1	4 oz glass w/ septum	4 C	N
	P021-SS002-1218-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:39	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyses	Weston RST3	5/7/2019 1630		5-8-19 0920	3.7°C/4.6°C
					IR Gun #1

K2733

5

5.1

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS002-1218-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:39	1	4 oz glass w/ septum	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL VOCs (Solid)	5/7/2019	12:44	3	Encore	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:44	1	4 oz glass w/ septum	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	12:56	3	Encore	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	12:56	1	4 oz glass w/ septum	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:20	3	Encore	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:20	1	4 oz glass w/ septum	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:28	3	Encore	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:28	1	4 oz glass w/ septum	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:34	3	Encore	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:34	1	4 oz glass w/ septum	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL VOCs (Solid)	5/7/2019	13:41	3	Encore	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:41	1	4 oz glass w/ septum	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	13:48	3	Encore	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:48	1	4 oz glass w/ septum	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	13:54	3	Encore	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	13:54	1	4 oz glass w/ septum	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	14:00	3	Encore	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	14:00	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analyses	Weston CSTS	5/7/2019 1630		5-8-19 0920	3.7°C/4.6°C
					IR GUN #1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2734

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: [signature] **Date:** 6/7/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL VOC analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample coolers' temperatures measured 3.7 and 4.6 Degrees Celsius (^{o}C) respectively.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2734				
P021-SS004-1218-01	K2734-01	Soil	TCL VOCs	5/07/2019
P021-SS004-1824-01	K2734-02	Soil	TCL VOCs	5/07/2019
P026-SS012-0002-01	K2734-03	Soil	TCL VOCs	5/07/2019
P026-SS012-0002-02[1]	K2734-06	Soil	TCL VOCs	5/07/2019
P026-SS012-0206-01	K2734-07	Soil	TCL VOCs	5/07/2019
P026-SS012-0612-01	K2734-08	Soil	TCL VOCs	5/07/2019
P026-SS012-1218-01	K2734-09	Soil	TCL VOCs	5/07/2019
P026-SS012-1824-01	K2734-10	Soil	TCL VOCs	5/07/2019
P026-SS013-0002-01	K2734-11	Soil	TCL VOCs	5/07/2019
P026-SS013-0206-01	K2734-12	Soil	TCL VOCs	5/07/2019
P026-SS013-0612-01	K2734-13	Soil	TCL VOCs	5/07/2019
P026-SS013-1218-01	K2734-14	Soil	TCL VOCs	5/07/2019
P026-SS013-1824-01	K2734-15	Soil	TCL VOCs	5/07/2019
P026-SS014-0002-01	K2734-16	Soil	TCL VOCs	5/07/2019
P026-SS014-0206-01	K2734-17	Soil	TCL VOCs	5/07/2019
P026-SS014-0612-01	K2734-18	Soil	TCL VOCs	5/07/2019
P026-SS014-1218-01	K2734-19	Soil	TCL VOCs	5/07/2019
P026-SS014-1824-01	K2734-20	Soil	TCL VOCs	5/07/2019
P026-SS015-0002-01	K2734-21	Soil	TCL VOCs	5/07/2019

[1] A field duplicate sample of P026-SS012-0002-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P026-SS012-0002-02:
- UJ - all low-level non-detects.
- J – Ethyl benzene, styrene, isopropylbenzene

P026-SS012-0206-01:
- UJ - all low-level non-detects.
- J - Ethyl benzene, styrene.

P026-SS012-1218-01:
- UJ - all low-level non-detects.

P026-SS013-0002-01:
- UJ - all low-level non-detects.
- J – Acetone, methylene chloride, 2-butanone

P026-SS013-0206-01:
- J – Acetone, methylene chloride

P026-SS013-1218-01:
- UJ - all low-level non-detects.
- J – Methylene chloride

P026-SS013-1824-01:
- UJ - all low-level non-detects.
- J – Methylene chloride.

P026-SS014-0002-01:
J - Acetone
P026-SS014-1218-01:
UJ - all low-level non-detects.
J – Methylene chloride.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS/MSD analyses of sample P026-SS012-0002-01 yielded low and/or high MS and/or MSD recoveries for 1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, 1,2-dichloroethane, bromodichloromethane, bromomethane, carbon tetrachloride, isopropylbenzene, bromochloromethane, bromoform, and methyl acetate. Since the laboratory control sample analysis yielded acceptable recoveries, the non-compliant recoveries listed above in MS/MSD may be due to matrix interference. These analytes were either not detected or previously qualified due to non-compliance surrogate recoveries in sample P026-SS012-0002-01 and its field duplicate P026-SS012-0002-02, no action was required.

The relative percent differences (RPDs) of 1,1,2,2-Tetrachloroethane, Bromomethane, and Bromochloromethane, exceeded the acceptance criteria in the MS/MSD analyses of sample P026-SS012-0002-01. These compounds were not detected or previously qualified due to non-compliance surrogate recoveries in sample P026-SS012-0002-01; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $\leq$20 for all target analytes. For the opening or closing CCV, %D must be $\leq$20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r $\geq$ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was greater than (>) 20 for methyl acetate. Since, methyl acetate was fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 6, 2019 on instrument MSVOA.F, the %RSD was > 20 for methyl acetate. Since, methyl acetate was fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 9, 2019 on instrumeWt MSVOA.F, the %RSD was > 20 for dichlorodifluoromethane. Since, dichlorodifluoromethane was fit by linear regression in these initial calibrations; no qualifiers were applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for 1,2,3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P021-SS004-1218-01, P021-SS004-1824-01, P026-SS012-0002-01, P026-SS012-0002-02, and P026-SS015-0002-01RE, no action were required.

For the CCV analyzed on 5/13/2019 at 10:22 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, trichlorofluoromethane, carbon tetrachloride, bromochloromethane, chloroform, 1,1,1-trichloroethane, and 1,2-dichloroethane. The non-detected results for these compounds were estimated (UJ) for samples P021-SS004-1218-01, P021-SS004-1824-01, P026-SS012-0002-01, and P026-SS015-0002-01RE.

For the CCV analyzed on 5/11/2019 at 10:42 on instrument MSVOA_F, the %D was >20 for acetone and carbon tetrachloride. The non-detected results for acetone estimated (UJ) for sample P026-SS014-0206-01 and P026-SS014-1824-01; and non-detected results for carbon tetrachloride were estimated (UJ) for P026-SS014-0002-01, P026-SS014-0206-01 and P026-SS014-1824-01

For the CCV analyzed on 5/12/2019 at 10:45 on instrument MSVOA_F, the %D was >20 for methyl acetate and carbon tetrachloride. The non-detected results for these compounds were estimated (UJ) for samples P026-SS014-1218-01RE and P026-SS014-1824-01RE.

For the CCV analyzed on 5/12/2019 at 22:16 on instrument MSVOA_F, the %D was >20 for carbon tetrachloride. The non-detected results for this compound were estimated (UJ) for samples P026-SS013-0002-01RE, P026-SS013-0206-01RE, P026-SS013-0612-01, P026-SS013-1218-01RE, P026-SS013-1824-01RE, P026-SS014-0002-01RE, P026-SS014-0206-01RE, and P026-SS014-0612-01.

For the CCV analyzed on 5/13/2019 at 12:51 on instrument MSVOA_F, the %D was >20 for acetone, bromochloromethane, and carbon tetrachloride. The non-detected results for these compounds were estimated (UJ) for samples P026-SS012-0206-01RE, P026-SS012-0612-01, P026-SS012-1218-01RE, and P026-SS012-1824-01.

<u>Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (less than [<]20% or <50%) or surrogate recoveries were not further qualified due to CCV recoveries >20%.</u>

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but <50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P026-SS015-0002-01RE, P026-SS013-1824-01, P026-SS014-1218-01, P026-SS014-1824-01, P026-SS014-1218-01RE, P026-SS013-1824-01RE, and P026-SS013-0002-01

Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS015-0002-01RE, P026-SS013-1824-01, P026-SS014-1218-01, P026-SS014-1824-01, P026-SS012-0206-01, P026-SS012-1218-01, P026-SS014-1218-01RE, P026-SS013-0612-01, P026-SS013-1824-01RE, P026-SS012-1218-01RE, and P026-SS013-0002-01

Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS012-0002-02, P026-SS015-0002-01RE, P026-SS013-1218-01, P026-SS013-1824-01, P026-SS014-0002-01, P026-SS014-1218-01, P026-SS014-1824-01, P026-SS012-1218-01, P026-SS014-1218-01RE, P026-SS013-0612-01, P026-SS013-1824-01RE, P026-SS014-0002-01RE, P026-SS012-1218-01RE, P026-SS013-0002-01

Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS012-0002-01, P026-SS013-1218-01, P026-SS013-1824-01, P026-SS014-0002-01, P026-SS014-1218-01, P026-SS014-1824-01, P026-SS014-1824-01RE, P026-SS013-0612-01, P026-SS014-0002-01RE, P026-SS013-0002-01RE, P026-SS013-0206-

01RE, P026-SS013-1218-01RE, P026-SS014-0206-01RE, P026-SS012-1218-01RE, and P026-SS012-0206-01RE
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P026-SS012-0206-01, P026-SS012-1218-01, P026-SS015-0002-01, and P026-SS013-0206-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS015-0002-01 and P026-SS013-0206-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS012-0206-01, P026-SS015-0002-01, and P026-SS013-0206-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS012-0002-02, P026-SS015-0002-01RE, P026-SS012-0206-01, P026-SS012-1218-01, P026-SS014-1218-01RE, P026-SS015-0002-01, P026-SS013-1824-01RE, P026-SS013-0002-01, and P026-SS013-0206-01
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P026-SS012-0002-01MS, P026-SS012-0002-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Field duplicate pair P026-SS012-0002-01 and P026-SS012-0002-02 were submitted for soil samples. The RPDs were > 50% for isopropylbenzene, styrene, and ethyl benzene. These compounds were not detected in sample P026-SS012-0002-01 but their concentrations were greater

than CRQL in field duplicate sample P026-SS012-0002-02. Since above listed compounds were previously qualified in field duplicate P026-SS012-0002-02, no further qualification was required. The non-detect results in field sample P026-SS012-0002-01 were estimated (J) for styrene and ethyl benzene.

.9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (≥85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (<85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported some non-target VOCs as TICs. The non-target VOCs are not project target analytes but were present in the sample and quantitated using the VOC calibration standards in the following samples:

P026-SS012-0002-02: Naphthalene
P026-SS013-0002-01 and P026-SS013-0206-01: Diethyl Ether

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recoveries of bromomethane, trichlorofluoromethane, 1,2-dichloroethane, and bromodichloromethane exceeded the acceptance criteria in the laboratory control sample (LCS)

associated with samples P021-SS004-1218-01, P021-SS004-1824-01, P026-SS012-0002-01, P026-SS012-0002-02, and P026-SS015-0002-01RE. The non-detected results for these compounds were not qualified.

The recoveries of 1,1,1-trichloroethane, carbon tetrachloride, chloroform, and cis-1,2-dichloroethene exceeded the acceptance criteria in the LCS associated with samples P026-SS013-1218-01, P026-SS013-1824-01, P026-SS014-0002-01, P026-SS014-0206-01, P026-SS014-1218-01, and P026-SS014-1824-01. The non-detected results for these compounds were not qualified.

The recoveries of 1,1,1-trichloroethane, carbon tetrachloride, and cis-1,2-dichloroethene exceeded the acceptance criteria in the LCS associated with samples P026-SS012-0206-01, P026-SS012-1218-01, P026-SS015-0002-01, P026-SS014-1218-01RE, and P026-SS014-1824-01RE. The non-detected results for these compounds were not qualified.

The recoveries of 1,1,1-trichloroethane and carbon tetrachloride exceeded the acceptance criteria in the LCS associated with samples P026-SS013-0002-01RE, P026-SS013-0206-01RE, P026-SS013-0612-01, P026-SS013-1218-01RE, P026-SS013-1824-01RE, P026-SS014-0002-01RE, P026-SS014-0206-01RE, and P026-SS014-0612-01. The non-detected results for these compounds were not qualified. Also, the LCS recovery for cis-1,3-dichloropropene was within the QC limits, lab qualified the associated sample results by mistake. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recovery of carbon tetrachloride exceeded the acceptance criteria in the LCS associated with samples P026-SS012-0206-01RE, P026-SS012-0612-01, P026-SS012-1218-01RE, and P026-SS012-1824-01. The non-detected results for these compounds were not qualified.

Internal standards failed in samples P026-SS012-0002-01, P026-SS012-0002-02, and P026-SS013-0612-01; and laboratory did not reanalyzed the samples. Laboratory indicated in case narrative that samples were analyzed using Vials A and B due to surrogate and internal standard failure. Since, the analysis of Vial A did not purge well, and there was no other vial left for further analysis, therefore this run (Vial B) was reported as final analysis.. The Vial A raw data is reported in miscellaneous as screening data except samples P026-SS012-0002-01, P026-SS012-0002-02, and P026-SS013-0612-01.

Samples P026-SS012-0206-01, P026-SS012-1218-01, P026-SS013-0002-01, P026-SS013-0206-01, P026-SS013-1218-01, P026-SS013-1824-01, P026-SS014-0002-01, P026-SS014-0206-01, P026-SS014-1218-01, P026-SS014-1824-01, and P026-SS015-0002-01 were re-analyzed due to surrogate and/or internal standard failures.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

The majority of samples in this SDG were analyzed as low-level VOCs and/or reanalyzed at low-level to either confirm that poor surrogate and internal standard recoveries were due to matrix effect. Samples P026-SS012-0206-01RE, P026-SS012-1218-01RE, P026-SS013-0002-01RE, P026-SS013-0206-01RE, P026-SS013-1218-01RE, P026-SS013-1824-01, P026-SS014-0002-01RE, P026-SS014-0206-01, P026-SS014-1218-01, P026-SS014-1824-01RE, and P026-SS015-0002-01RE were used for reporting purposes with below exceptions.

For each sample that required multiple analyses, the reported analyses and reason for selection of the reported results on the data table are detailed below.

For sample P026-SS013-0002-01, methylene chloride and 2-butanone, were detected in the initial analysis, it was re-analyzed and was not detected in re-analysis. Rather than report methylene chloride and 2-butanone as non-detected, the results for methylene chloride and 2-butanone were transferred from the initial analysis to re-analysis as detected and qualified with the J or J+ qualifier due to low surrogate or internal standard recoveries.

For sample P026-SS013-0206-01, acetone and methylene chloride were detected in the initial analysis, it was re-analyzed and was not detected in re-analysis. Rather than report acetone and methylene chloride as non-detected, the acetone and methylene chloride results were transferred from the initial analysis to re-analysis as detected and qualified with the J or J+ qualifier due to low surrogate or internal standard recoveries.

For sample P026-SS013-1218-01, methylene chloride was detected in the initial analysis, it was re-analyzed and was not detected in re-analysis. Rather than report methylene chloride as non-detected, the methylene chloride result was transferred from the initial analysis to re-analysis as detected and qualified with the J or J+ qualifier due to low surrogate or internal standard recoveries.

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS004-1218-01	P021-SS004-1824-01	P026-SS012-0002-01	P026-SS012-0002-02[1]	P026-SS012-0206-01RE
Lab Sample ID	K2734-01	K2734-02	K2734-03	K2734-06	K2734-07RE
Sample weight (g)	6.03	6.18	4.14	3.84	5.87
Moisture (%)	13.1	13	25.3	24.3	14
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.87 U	0.84 U	1.5 U	1.6 UJ	0.9 U
Chloromethane	1.7 U	1.7 U	2.9 U	3.1 UJ	1.8 U
Vinyl Chloride	1.1 U	1 U	1.8 UJ	1.9 UJ	1.1 U
Bromomethane	0.36 UJ	0.35 UJ	0.61 UJ	0.65 UJ	0.37 U
Chloroethane	0.55 UJ	0.54 UJ	0.93 UJ	0.99 UJ	0.57 U
Trichlorofluoromethane	0.62 UJ	0.6 UJ	1 U	1.1 UJ	0.64 U
1,1,2-Trichlorotrifluoroethane	0.76 U	0.75 U	1.3 U	1.4 UJ	0.79 U
1,1-Dichloroethene	0.95 U	0.92 U	1.6 U	1.7 UJ	0.98 U
Acetone	**16.3 J**	**10.2 J**	**14.8 J**	13.2 UJ	7.6 UJ
Carbon Disulfide	1 U	1 U	1.7 U	1.8 UJ	1.1 U
Methyl tert-butyl Ether	1.3 U	1.3 U	2.3 U	2.4 UJ	1.4 U
Methyl Acetate	2.7 U	2.6 U	4.5 U	4.8 UJ	2.8 U
Methylene Chloride	5 U	4.8 U	8.4 U	8.9 UJ	5.1 U
trans-1,2-Dichloroethene	1.2 U	1.2 U	2 U	2.2 UJ	1.2 U
1,1-Dichloroethane	0.87 U	0.85 U	1.5 U	1.6 UJ	0.9 U
Cyclohexane	1.7 U	1.7 U	2.9 U	3.1 UJ	1.8 U
2-Butanone	6.4 U	6.2 U	10.8 U	11.5 UJ	6.6 U
Carbon Tetrachloride	0.79 UJ	0.77 UJ	1.3 UJ	1.4 UJ	0.82 UJ
cis-1,2-Dichloroethene	0.94 U	0.92 U	1.6 U	1.7 UJ	0.98 U
Bromochloromethane	1.1 UJ	1.1 UJ	1.9 UJ	2.1 UJ	1.2 UJ
Chloroform	0.82 UJ	0.8 UJ	1.4 UJ	1.5 UJ	0.86 U
1,1,1-Trichloroethane	1 UJ	0.98 UJ	1.7 UJ	1.8 UJ	1 U
Methylcyclohexane	1.1 U	1.1 U	1.9 U	2 UJ	1.2 U
Benzene	0.8 U	0.78 U	1.4 U	1.4 UJ	0.83 U
1,2-Dichloroethane	1.1 UJ	1.1 UJ	1.9 UJ	2.1 UJ	1.2 U
Trichloroethene	0.89 U	0.87 U	1.5 U	1.6 UJ	0.92 U
1,2-Dichloropropane	1.2 U	1.2 U	2 U	2.1 UJ	1.2 U
Bromodichloromethane	0.95 U	0.92 U	1.6 U	1.7 UJ	0.98 U
4-Methyl-2-Pentanone	5.3 U	5.2 U	9 U	9.6 UJ	5.5 U
Toluene	0.93 U	0.91 U	1.6 U	1.7 UJ	0.97 U
t-1,3-Dichloropropene	0.96 U	0.94 U	1.6 U	1.7 UJ	1 U
cis-1,3-Dichloropropene	1 U	1 U	1.7 U	1.8 UJ	1.1 U
1,1,2-Trichloroethane	1.4 U	1.3 U	2.3 U	2.4 UJ	1.4 U
2-Hexanone	7 U	6.9 U	11.9 U	12.7 UJ	7.3 U
Dibromochloromethane	1.3 U	1.2 U	2.1 U	2.3 UJ	1.3 U
1,2-Dibromoethane	1.2 U	1.2 U	2.1 U	2.2 UJ	1.3 U
Tetrachloroethene	0.66 U	0.65 U	1.1 U	1.2 UJ	0.69 U
Chlorobenzene	0.75 U	0.73 U	1.3 U	1.4 UJ	0.78 U
Ethyl Benzene	0.81 U	0.79 U	1.4 UJ	**3.6 J+**	**1.7 J**
m/p-Xylenes	1.6 U	1.5 U	2.7 U	2.8 UJ	1.6 U
o-Xylene	1 U	1 U	1.8 U	1.9 UJ	1.1 U
Styrene	0.95 U	0.92 U	1.6 UJ	**5.4 J+**	**2.1 J**
Bromoform	3.1 U	3.1 U	5.3 U	5.6 UJ	3.2 U
Isopropylbenzene	0.83 U	0.8 U	1.4 UJ	**2.6 J+**	0.86 UJ
1,1,2,2-Tetrachloroethane	1 U	1 U	1.8 UJ	R	1.1 UJ
1,3-Dichlorobenzene	1 U	0.99 U	1.7 UJ	R	1.1 UJ
1,4-Dichlorobenzene	1 U	0.98 U	1.7 UJ	R	1 UJ
1,2-Dichlorobenzene	1.2 U	1.2 U	2.1 UJ	R	1.3 UJ
1,2-Dibromo-3-Chloropropane	3.2 U	3.1 U	5.4 UJ	R	3.3 UJ
1,2,4-Trichlorobenzene	1.1 U	1 U	1.8 UJ	R	1.1 UJ
1,2,3-Trichlorobenzene	1.2 U	1.2 U	2.1 UJ	R	1.3 UJ

U: Not detected at the indicated concentration.
J: Estimated result/J+: Estimate result with a high bias
[1]A field duplicate of sample P026-SS012-0002-01

RE: Reanalysis
µg/Kg = micrograms per kilogram

R: Rejected
Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS012-0612-01	P026-SS012-1218-01Re	P026-SS012-1824-01	P026-SS013-0002-01RE	P026-SS013-0206-01RE
Lab Sample ID	K2734-08	K2734-09RE	K2734-10	K2734-11RE	K2734-12RE
Sample weight (g)	5.18	6.82	5.82	4.82, *5.26	5.49, *5.65
Moisture (%)	11.9	14	17.6	25.7	22.4
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1 U	0.77 U	0.95 U	1.3 U	1.1 U
Chloromethane	2 U	1.5 U	1.9 U	2.5 U	2.1 U
Vinyl Chloride	1.2 U	0.95 U	1.2 U	1.6 U	1.3 U
Bromomethane	0.41 U	0.32 U	0.39 U	0.53 U	0.44 U
Chloroethane	0.63 U	0.49 U	0.6 U	0.8 U	0.68 U
Trichlorofluoromethane	0.71 U	0.55 U	0.67 U	0.9 U	0.76 U
1,1,2-Trichlorotrifluoroethane	0.88 U	0.68 U	0.84 U	1.1 U	0.94 U
1,1-Dichloroethene	1.1 U	0.85 U	1 U	1.4 U	1.2 U
Acetone	8.4 UJ	6.5 UJ	8 UJ	**49.7**	***220 J+**
Carbon Disulfide	1.2 U	0.91 U	1.1 U	1.5 U	1.3 U
Methyl tert-butyl Ether	1.5 U	1.2 U	1.5 U	1.9 U	1.6 U
Methyl Acetate	3.1 U	2.4 U	2.9 U	3.9 U	3.3 U
Methylene Chloride	5.7 U	4.4 U	5.4 U	***13.1 J+**	***16.3 J+**
trans-1,2-Dichloroethene	1.4 U	1.1 U	1.3 U	1.8 U	1.5 U
1,1-Dichloroethane	1 U	0.78 U	0.95 U	1.3 U	1.1 U
Cyclohexane	2 U	1.5 U	1.9 U	2.5 U	2.1 U
2-Butanone	7.3 U	5.7 U	7 U	***27.1 J+**	7.8 U
Carbon Tetrachloride	0.9 UJ	0.7 UJ	0.86 UJ	1.2 UJ	0.97 UJ
cis-1,2-Dichloroethene	1.1 U	0.84 U	1 U	1.4 U	1.2 U
Bromochloromethane	1.3 U	1 UJ	1.2 UJ	1.7 U	1.4 U
Chloroform	0.95 U	0.74 U	0.9 U	1.2 U	1 U
1,1,1-Trichloroethane	1.2 U	0.9 U	1.1 U	1.5 U	1.2 U
Methylcyclohexane	1.3 U	1 UJ	1.2 U	1.6 U	1.4 U
Benzene	0.92 U	0.71 UJ	0.87 U	1.2 U	0.98 U
1,2-Dichloroethane	1.3 U	1 UJ	1.3 U	1.7 U	1.4 U
Trichloroethene	1 U	0.79 UJ	0.97 U	1.3 U	1.1 U
1,2-Dichloropropane	1.4 U	1.1 UJ	1.3 U	1.7 U	1.5 U
Bromodichloromethane	1.1 U	0.85 UJ	1 U	1.4 U	1.2 U
4-Methyl-2-Pentanone	6.1 U	4.8 UJ	5.8 U	7.8 U	6.6 U
Toluene	1.1 U	0.83 UJ	1 U	1.4 U	1.1 U
t-1,3-Dichloropropene	1.1 U	0.86 UJ	1 U	1.4 U	1.2 U
cis-1,3-Dichloropropene	1.2 U	0.91 UJ	1.1 U	1.5 U	1.3 U
1,1,2-Trichloroethane	1.6 U	1.2 UJ	1.5 U	2 U	1.7 U
2-Hexanone	8.1 U	6.3 UJ	7.7 U	10.3 U	8.7 U
Dibromochloromethane	1.4 U	1.1 UJ	1.4 U	1.8 U	1.5 U
1,2-Dibromoethane	1.4 U	1.1 UJ	1.4 U	1.8 U	1.5 U
Tetrachloroethene	0.76 U	0.59 UJ	0.72 U	0.97 U	0.82 U
Chlorobenzene	0.86 U	0.67 UJ	0.82 U	1.1 U	0.92 U
Ethyl Benzene	0.94 U	0.73 UJ	**1.3 J**	1.2 U	1 U
m/p-Xylenes	1.8 U	1.4 UJ	1.7 U	2.3 U	1.9 U
o-Xylene	1.2 U	0.94 UJ	1.1 U	1.5 U	1.3 U
Styrene	1.1 U	0.84 UJ	**3 J**	1.4 U	1.2 U
Bromoform	3.6 U	2.8 UJ	3.4 U	4.6 U	3.8 U
Isopropylbenzene	0.95 U	0.74 UJ	0.9 U	1.2 UJ	1 UJ
1,1,2,2-Tetrachloroethane	1.2 U	0.93 UJ	1.1 U	1.5 UJ	1.3 UJ
1,3-Dichlorobenzene	1.2 U	0.91 UJ	1.1 U	1.5 UJ	1.2 UJ
1,4-Dichlorobenzene	1.2 U	0.9 UJ	1.1 U	1.5 UJ	1.2 UJ
1,2-Dichlorobenzene	1.4 U	1.1 UJ	1.3 U	1.8 UJ	1.5 UJ
1,2-Dibromo-3-Chloropropane	3.6 U	2.8 UJ	3.5 U	4.6 UJ	3.9 UJ
1,2,4-Trichlorobenzene	1.2 U	0.95 UJ	1.2 U	1.6 UJ	1.3 UJ
1,2,3-Trichlorobenzene	1.4 U	1.1 UJ	1.3 U	1.8 UJ	1.5 UJ

U: Not detected at the indicated concentration

J: Estimated result/J+: Estimate result with a high bias

* Reported from original analysis

RE: Reanalysis

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS013-0612-01	P026-SS013-1218-01RE	P026-SS013-1824-01	P026-SS014-0002-01RE	P026-SS014-0206-01
Lab Sample ID	K2734-13	K2734-14RE	K2734-15	K2734-16RE	K2734-17
Sample weight (g)	4.19	5.35	6.39	4.73	5.93
Moisture (%)	22.1	16.9	16.2	41.1	28.7
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.4 U	1 U	0.85 UJ	1.6 U	1.1 U
Chloromethane	2.7 U	2 U	1.7 UJ	3.2 U	2.1 U
Vinyl Chloride	1.7 U	1.3 U	1 UJ	2 U	1.3 U
Bromomethane	0.58 U	0.43 U	0.35 UJ	0.68 U	0.45 U
Chloroethane	0.88 U	0.65 U	0.54 UJ	1 U	0.68 U
Trichlorofluoromethane	0.99 U	0.73 U	0.6 UJ	1.2 U	0.76 U
1,1,2-Trichlorotrifluoroethane	1.2 U	0.9 U	0.75 UJ	1.4 U	0.95 U
1,1-Dichloroethene	1.5 U	1.1 U	0.93 UJ	1.8 U	1.2 U
Acetone	11.8 U	8.6 U	7.2 UJ	**300**	**62.2 J**
Carbon Disulfide	1.6 U	1.2 U	1 UJ	1.9 U	1.3 U
Methyl tert-butyl Ether	2.1 U	1.6 U	1.3 UJ	2.5 U	1.6 U
Methyl Acetate	4.3 U	3.2 U	2.6 UJ	5 U	3.3 U
Methylene Chloride	8 U	***6.1 J+**	**7.2 J**	9.3 U	6.1 U
trans-1,2-Dichloroethene	1.9 U	1.4 U	1.2 UJ	2.3 U	1.5 U
1,1-Dichloroethane	1.4 U	1 U	0.85 UJ	1.6 U	1.1 U
Cyclohexane	2.8 U	2 U	1.7 UJ	3.2 U	2.1 U
2-Butanone	10.2 U	7.5 U	6.2 UJ	12 U	7.9 U
Carbon Tetrachloride	1.3 UJ	0.93 UJ	0.77 UJ	1.5 U	0.98 UJ
cis-1,2-Dichloroethene	1.5 U	1.1 U	0.92 UJ	1.8 U	1.2 U
Bromochloromethane	1.8 U	1.3 U	1.1 UJ	2.1 U	1.4 U
Chloroform	1.3 U	0.97 U	0.81 UJ	1.5 U	1 U
1,1,1-Trichloroethane	1.6 U	1.2 U	0.99 UJ	1.9 U	1.3 U
Methylcyclohexane	1.8 UJ	1.3 U	1.1 UJ	2.1 U	1.4 U
Benzene	1.3 UJ	0.94 U	0.78 UJ	1.5 U	0.99 U
1,2-Dichloroethane	1.8 UJ	1.4 U	1.1 UJ	2.2 U	1.4 U
Trichloroethene	1.4 UJ	1 U	0.87 UJ	1.7 U	1.1 U
1,2-Dichloropropane	1.9 UJ	1.4 U	1.2 UJ	2.2 U	1.5 U
Bromodichloromethane	1.5 UJ	1.1 U	0.93 UJ	1.8 U	1.2 U
4-Methyl-2-Pentanone	8.6 UJ	6.3 U	5.2 UJ	10 U	6.6 U
Toluene	1.5 UJ	**1.1 U**	0.91 UJ	1.8 U	1.2 U
t-1,3-Dichloropropene	1.5 UJ	1.1 U	0.94 UJ	1.8 U	1.2 U
cis-1,3-Dichloropropene	1.6 UJ	1.2 U	1 UJ	1.9 U	1.3 U
1,1,2-Trichloroethane	2.2 UJ	1.6 U	1.3 UJ	2.6 U	1.7 U
2-Hexanone	11.3 UJ	8.3 U	6.9 UJ	13.2 U	8.7 U
Dibromochloromethane	2 UJ	1.5 U	1.2 UJ	2.4 U	1.6 U
1,2-Dibromoethane	2 UJ	1.5 U	1.2 UJ	2.3 U	1.5 U
Tetrachloroethene	1.1 UJ	0.78 U	0.65 UJ	1.2 UJ	0.82 U
Chlorobenzene	1.2 UJ	0.89 U	0.74 UJ	1.4 UJ	0.93 U
Ethyl Benzene	1.3 UJ	0.96 U	0.8 UJ	1.5 UJ	1 U
m/p-Xylenes	2.5 UJ	1.9 U	1.5 UJ	3 UJ	2 U
o-Xylene	1.7 UJ	1.2 U	1 UJ	2 UJ	1.3 U
Styrene	1.5 UJ	1.1 U	0.93 UJ	1.8 UJ	1.2 U
Bromoform	5 UJ	3.7 U	3.1 UJ	5.9 UJ	3.9 U
Isopropylbenzene	1.3 UJ	0.97 UJ	0.81 UJ	1.6 UJ	1 U
1,1,2,2-Tetrachloroethane	1.7 UJ	1.2 UJ	1 UJ	1.9 UJ	1.3 U
1,3-Dichlorobenzene	1.6 UJ	1.2 UJ	0.99 UJ	1.9 UJ	1.3 U
1,4-Dichlorobenzene	1.6 UJ	1.2 UJ	0.99 UJ	1.9 UJ	1.2 U
1,2-Dichlorobenzene	1.9 UJ	1.4 UJ	1.2 UJ	2.3 UJ	1.5 U
1,2-Dibromo-3-Chloropropane	5.1 UJ	3.7 UJ	3.1 UJ	6 UJ	3.9 U
1,2,4-Trichlorobenzene	1.7 UJ	1.3 UJ	1 UJ	2 UJ	1.3 U
1,2,3-Trichlorobenzene	1.9 UJ	1.4 UJ	1.2 UJ	2.3 UJ	1.5 U

U: Not detected at the indicated concentration.
J: Estimated result/J+: Estimate result with a high bias
* Reported from original analysis

RE: Reanalysis
µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS014-0612-01	P026-SS014-1218-01	P026-SS014-1824-01RE	P021-SS015-0002-01RE
Lab Sample ID	K2734-18	K2734-19	K2734-20RE	K2734-21RE
Sample weight (g)	5.64	5.87	5.85	5.53
Moisture (%)	23	18.5	10.3	15.7
Dilution Factor	1	1	1	1
Volatile Organic Compounds (ug/kg)				
Dichlorodifluoromethane	1 U	0.95 UJ	0.87 U	0.97 UJ
Chloromethane	2.1 U	1.9 UJ	1.7 U	1.9 UJ
Vinyl Chloride	1.3 U	1.2 UJ	1.1 U	1.2 UJ
Bromomethane	0.44 U	0.4 UJ	0.36 U	0.41 UJ
Chloroethane	0.66 U	0.6 UJ	0.55 U	0.62 UJ
Trichlorofluoromethane	0.74 U	0.67 UJ	0.62 U	0.69 UJ
1,1,2-Trichlorotrifluoroethane	0.92 U	0.84 UJ	0.76 U	0.86 UJ
1,1-Dichloroethene	1.1 U	1 UJ	0.94 U	1.1 UJ
Acetone	8.8 U	8 UJ	7.3 U	8.2 UJ
Carbon Disulfide	1.2 U	1.1 UJ	1 U	1.1 UJ
Methyl tert-butyl Ether	1.6 U	1.5 UJ	1.3 U	1.5 UJ
Methyl Acetate	3.2 U	2.9 UJ	2.7 UJ	3 UJ
Methylene Chloride	6 U	**6.4 J**	5 U	5.6 UJ
trans-1,2-Dichloroethene	1.4 U	1.3 UJ	1.2 U	1.3 UJ
1,1-Dichloroethane	1 U	0.95 UJ	0.87 U	0.98 UJ
Cyclohexane	2.1 U	1.9 UJ	1.7 U	1.9 UJ
2-Butanone	7.7 U	7 UJ	6.4 U	7.2 UJ
Carbon Tetrachloride	0.95 UJ	0.86 UJ	0.79 UJ	0.88 UJ
cis-1,2-Dichloroethene	1.1 U	1 UJ	0.94 U	1.1 UJ
Bromochloromethane	1.4 U	1.2 UJ	1.1 U	1.3 UJ
Chloroform	0.99 U	0.9 UJ	0.82 U	0.93 UJ
1,1,1-Trichloroethane	1.2 U	1.1 UJ	1 U	1.1 UJ
Methylcyclohexane	1.4 U	1.2 UJ	1.1 U	1.3 UJ
Benzene	0.97 U	0.88 UJ	0.8 U	0.9 UJ
1,2-Dichloroethane	1.4 U	1.3 UJ	1.1 U	1.3 UJ
Trichloroethene	1.1 U	0.97 UJ	0.89 U	1 UJ
1,2-Dichloropropane	1.4 U	1.3 UJ	1.2 U	1.3 UJ
Bromodichloromethane	1.1 U	1 UJ	0.95 U	1.1 UJ
4-Methyl-2-Pentanone	6.4 U	5.8 UJ	5.3 U	6 UJ
Toluene	1.1 U	1 UJ	0.93 U	1 UJ
t-1,3-Dichloropropene	1.2 U	1.1 UJ	0.96 U	1.1 UJ
cis-1,3-Dichloropropene	1.2 U	1.1 UJ	1 U	1.1 UJ
1,1,2-Trichloroethane	1.6 U	1.5 UJ	1.4 U	1.5 UJ
2-Hexanone	8.5 U	7.7 UJ	7 U	7.9 UJ
Dibromochloromethane	1.5 U	1.4 UJ	1.3 U	1.4 UJ
1,2-Dibromoethane	1.5 U	1.4 UJ	1.2 U	1.4 UJ
Tetrachloroethene	0.8 U	0.73 UJ	0.66 U	0.75 UJ
Chlorobenzene	0.91 U	0.82 UJ	0.75 U	0.84 UJ
Ethyl Benzene	0.98 U	0.89 UJ	0.81 U	0.92 UJ
m/p-Xylenes	1.9 U	1.7 UJ	1.6 U	1.8 UJ
o-Xylene	1.3 U	1.1 UJ	1 U	1.2 UJ
Styrene	1.1 U	1 UJ	0.94 U	1.1 UJ
Bromoform	3.8 U	3.4 UJ	3.1 U	3.5 UJ
Isopropylbenzene	1 U	0.9 UJ	0.82 UJ	R
1,1,2,2-Tetrachloroethane	1.3 U	1.1 UJ	1 UJ	R
1,3-Dichlorobenzene	1.2 U	1.1 UJ	1 UJ	R
1,4-Dichlorobenzene	1.2 U	1.1 UJ	1 UJ	R
1,2-Dichlorobenzene	1.5 U	1.3 UJ	1.2 UJ	R
1,2-Dibromo-3-Chloropropane	3.8 U	3.5 UJ	3.2 UJ	R
1,2,4-Trichlorobenzene	1.3 U	1.2 UJ	1.1 UJ	R
1,2,3-Trichlorobenzene	1.5 U	1.3 UJ	1.2 U	R

U: Not detected at the indicated concentration. RE: Reanalysis R: Rejected

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

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Cover Page

Order ID : K2734

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2734-01	P021-SS004-1218-01
K2734-02	P021-SS004-1824-01
K2734-03	P026-SS012-0002-01
K2734-04	K2734-03MS
K2734-05	K2734-03MSD
K2734-06	P026-SS012-0002-02
K2734-07	P026-SS012-0206-01
K2734-08	P026-SS012-0612-01
K2734-09	P026-SS012-1218-01
K2734-10	P026-SS012-1824-01
K2734-11	P026-SS013-0002-01
K2734-12	P026-SS013-0206-01
K2734-13	P026-SS013-0612-01
K2734-14	P026-SS013-1218-01
K2734-15	P026-SS013-1824-01
K2734-16	P026-SS014-0002-01
K2734-17	P026-SS014-0206-01
K2734-18	P026-SS014-0612-01
K2734-19	P026-SS014-1218-01
K2734-20	P026-SS014-1824-01
K2734-21	P026-SS015-0002-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED
Date: 5/15/2019
By Mildred V Reyes, QAQC Supervisor at 5:15 pm, May 15, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2734
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/08/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P026-SS012-0002-01MSD [1,2-Dichloroethane-d4 - 126%],
P026-SS012-0002-02 [Dibromofluoromethane - 64%, Toluene-d8 - 28%],

]P026-SS012-0206-01 [1,2-Dichloroethane-d4 - 232%, Dibromofluoromethane - 181%, Toluene-d8 - 57%],

P026-SS012-1218-01 [1,2-Dichloroethane-d4 - 282%, Dibromofluoromethane - 161%, Toluene-d8 - 51%],

P026-SS013-0002-01 [1,2-Dichloroethane-d4 - 200%, Toluene-d8 - 62%],

P026-SS013-0206-01 [1,2-Dichloroethane-d4 - 426%, Dibromofluoromethane - 239%],

P026-SS013-1218-01 [1,2-Dichloroethane-d4 - 134%, Toluene-d8 - 64%],

P026-SS013-1824-01 [1,2-Dichloroethane-d4 - 185%, Dibromofluoromethane - 136%, Toluene-d8 - 64%],

P026-SS014-0002-01 [1,2-Dichloroethane-d4 - 154%, Dibromofluoromethane - 148%],

P026-SS014-1218-01 [1,2-Dichloroethane-d4 - 143%, Toluene-d8 - 58%],

P026-SS014-1824-01 [1,2-Dichloroethane-d4 - 152%],

P026-SS015-0002-01 [1,2-Dichloroethane-d4 - 212%, Dibromofluoromethane - 153%]

P026-SS015-0002-01RE [1,2-Dichloroethane-d4 - 131%]. All above samples were reanalyzed for surrogate failure except sample P026-SS012-0002-01MSD, P026-SS012-0002-02. For these samples B vial was analyzed originally for surrogate and internal standard and it was failing Lab used Vial A did not purge well, there is no other vial left for further analysis, therefore vial B run was reported as final analysis. The vial A raw data is reported in miscellaneous as screening data.
The Internal Standards Areas met the acceptable requirements except for P026-SS012-0002-01, P026-SS012-0002-01MS, P026-SS012-0002-01MSD, P026-SS012-0002-02, P026-SS012-0206-01, P026-SS012-0206-01RE, P026-SS012-1218-01, P026-SS012-1218-01RE, P026-SS013-0002-01, P026-SS013-0002-01RE, P026-SS013-0206-01, P026-SS013-0206-01RE, P026-SS013-0612-01, P026-SS013-1218-01, P026-SS013-1218-01RE, P026-SS013-1824-01, P026-SS013-1824-01RE, P026-SS014-0002-01, P026-SS014-0002-01RE, P026-SS014-0206-01RE, P026-SS014-1218-01, P026-SS014-1218-01RE, P026-SS014-1824-01, P026-SS014-1824-01RE, P026-SS015-0002-01, P026-SS015-0002-01RE. Samples were reanalyzed for the Internal standard failures except sample P026-SS012-0002-01, P026-SS012-0002-01MSD, P026-SS012-0002-02. All these samples were received in Encore. B vial was analyzed originally internal standard and vial A did not purge well, there is no other vial left for further analysis, therefore this run (vial B) was reported as final analysis..The vial A raw data is reported in miscellaneous as screening data. No corrective action required for failing MS/MSD in internal standard.

The Retention Times were acceptable for all samples.

The MS {K2734-04MS} with File ID: VD062307.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[191%], 1,2-Dibromo-3-Chloropropane[191%], 1,2-Dichloroethane[145%], Bromodichloromethane[136%], Bromomethane[191%], Carbon Tetrachloride[145%], Isopropylbenzene[145%] and Methyl Acetate[364%] .

The MSD {K2734-05MSD} with File ID: VD062308.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[247%], 1,2-Dibromo-3-Chloropropane[219%], Bromochloromethane[0%], Bromoform[137%], Bromomethane[261%], Isopropylbenzene[178%] and Methyl Acetate[384%] .

The RPD for {K2734-05MSD} with File ID: VD062308.D met criteria except for 1,1,2,2-Tetrachloroethane[26%], Bromomethane[31%], Bromochloromethane[200 %]..

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Due to surrogate and the internal standard failure, the results for MS/MSD and the RPD are excessively high. No further reanalysis was performed for the MS/MSD since no corrective action is required.

.

The Blank Spike for {VD0513SBS01} with File ID: VD062297.D met requirements for all samples except for 1,2-Dichloroethane[132%], Bromodichloromethane[124%], Bromomethane[150%] and Trichlorofluoromethane[136%] .

.The Blank Spike for {VF0511SBS01} with File ID: VF062454.D met requirements for all samples except for 1,1,1-Trichloroethane[129%], Carbon Tetrachloride[151%], Chloroform[123%] and cis-1,3-Dichloropropene[123%].

.The Blank Spike for {VF0512SBS01} with File ID: VF062497.D met requirements for all samples except for 1,1,1-Trichloroethane[127%], cis-1,3-Dichloropropene[123%] , Carbon Tetrachloride[146%] .

The Blank Spike for {VF0512SBS02} with File ID: VF062518.D met requirements for all samples except for Carbon Tetrachloride [136%] and 1,1,1-Trichloroethane[129%]

.The Blank Spike for {VF0513SBS01} with File ID: VF062543.D met requirements for all samples except for Carbon Tetrachloride[131%] .The associate samples have undetected results for these compounds ,therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate is passing on linear regression.

The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82F050219S.M) for Bromomethane, Methyl Acetate and Carbon Tetrachloride these compounds are passing on linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 82W050919W.M) for Dichlorodifluoromethane this compound is passing on Linear regression.

The Continuous Calibration File ID VD062295.D met the requirements except for 1,1,1-Trichloroethane,1,2-Dichloroethane,Bromochloromethane,Bromomethane,Carbon Tetrachloride, Chloroethane, Chloroform and Trichlorofluoromethane .

The Continuous Calibration File ID VF062452.D met the requirements except for Acetone and Carbon Tetrachloride The associate samples have no positive hit except sample P026-SS014-0002-01 and this sample was reanalyzed and conform the results for that compound.

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.The Continuous Calibration File ID VF062495.D met the requirements except for Methyl Acetate and Carbon Tetrachloride

.The Continuous Calibration File ID VF062516.D met the requirements except for Carbon Tetrachloride

.The Continuous Calibration File ID VF062539.D met the requirements except for Acetone, Bromochloromethane and Carbon Tetrachloride.

The Continuous Calibration File ID VW010376.D met the requirements except for 1,2,4-Trichlorobenzene ,Isopropylbenzene, o-Xylene and Styrene .The associate samples have no positive hit for these above compounds, therefore no corrective action was taken.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15/20% for the Initial Calibration curve for SW-846 analysis.

Soil Calculation

Concentration in ug/Kg dry Weight basis) $\frac{(A_x)(I_s)(D_f)}{(Ais)\ (RRF)(Ws)(D)}$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in Nano grams (ng)
RRF = Relative response factor of the calibration standard.
Df = Dilution factor
Ws= Weight of sample

$D = \frac{100 - \%moisture}{100}$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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Signature Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 5:15 pm, May 15, 2019

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2734

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/15/2019

2nd Level QA Review Signature: Mildred V Reyes Date

APPROVED
By Mildred V Reyes, QAQC Supervisor at 5:15 pm, May 15, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.1
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062304.D	1		05/13/19 14:58	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	UØ	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	UØ	0.62	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.8	ug/Kg
67-64-1	Acetone	16.3	J	7.3	23.9	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	5	U	5	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U	0.87	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.4	U	6.4	23.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.8	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.8	U	0.8	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	UØ	1.1	4.8	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.95	UØ	0.95	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.9	ug/Kg
108-88-3	Toluene	0.93	U	0.93	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.96	U	0.96	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.1
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062304.D	1		05/13/19 14:58	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.9	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.8	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.8	ug/Kg
100-42-5	Styrene	0.95	U	0.95	4.8	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	42		67 - 123	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		33 - 141	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	592275	7.06			
540-36-3	1,4-Difluorobenzene	843558	8.23			
3114-55-4	Chlorobenzene-d5	647925	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	322024	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.1
Sample Wt/Vol:	6.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062304.D	1		05/13/19 14:58	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062305.D	1		05/13/19 15:26	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	4.6	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.6	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.6	ug/Kg
74-83-9	Bromomethane	0.35	UQ J	0.35	4.6	ug/Kg
75-00-3	Chloroethane	0.54	U J	0.54	4.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	UQ J	0.6	4.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.6	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	4.6	ug/Kg
67-64-1	Acetone	10.2	J	7.1	23.2	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.6	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.6	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	4.6	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.6	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U J	0.77	4.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.92	U	0.92	4.6	ug/Kg
74-97-5	Bromochloromethane	1.1	U J	1.1	4.6	ug/Kg
67-66-3	Chloroform	0.8	U J	0.8	4.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U J	0.98	4.6	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.6	ug/Kg
71-43-2	Benzene	0.78	U	0.78	4.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	UQ J	1.1	4.6	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.6	ug/Kg
75-27-4	Bromodichloromethane	0.92	UQ	0.92	4.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.2	ug/Kg
108-88-3	Toluene	0.91	U	0.91	4.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062305.D	1		05/13/19 15:26	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.6	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.2	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.6	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.6	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.6	ug/Kg
100-41-4	Ethyl Benzene	0.79	U	0.79	4.6	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.3	ug/Kg
95-47-6	o-Xylene	1	U	1	4.6	ug/Kg
100-42-5	Styrene	0.92	U	0.92	4.6	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.6	ug/Kg
98-82-8	Isopropylbenzene	0.8	U	0.8	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.99	U	0.99	4.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.98	U	0.98	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		56 - 120	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	44.4		67 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	628201	7.07			
540-36-3	1,4-Difluorobenzene	800112	8.24			
3114-55-4	Chlorobenzene-d5	618163	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	329487	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062305.D	1		05/13/19 15:26	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.3
Sample Wt/Vol:	4.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062306.D	1		05/13/19 15:54	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	1.5	8.1	ug/Kg
74-87-3	Chloromethane	2.9	U	2.9	8.1	ug/Kg
75-01-4	Vinyl Chloride	1.8	U	1.8	8.1	ug/Kg
74-83-9	Bromomethane	0.61	UQ	0.61	8.1	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	8.1	ug/Kg
75-69-4	Trichlorofluoromethane	1	UQ	1	8.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.3	U	1.3	8.1	ug/Kg
75-35-4	1,1-Dichloroethene	1.6	U	1.6	8.1	ug/Kg
67-64-1	Acetone	14.8	J	12.4	40.4	ug/Kg
75-15-0	Carbon Disulfide	1.7	U	1.7	8.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.3	U	2.3	8.1	ug/Kg
79-20-9	Methyl Acetate	4.5	U	4.5	8.1	ug/Kg
75-09-2	Methylene Chloride	8.4	U	8.4	16.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2	U	2	8.1	ug/Kg
75-34-3	1,1-Dichloroethane	1.5	U	1.5	8.1	ug/Kg
110-82-7	Cyclohexane	2.9	U	2.9	8.1	ug/Kg
78-93-3	2-Butanone	10.8	U	10.8	40.4	ug/Kg
56-23-5	Carbon Tetrachloride	1.3	U	1.3	8.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.6	U	1.6	8.1	ug/Kg
74-97-5	Bromochloromethane	1.9	U	1.9	8.1	ug/Kg
67-66-3	Chloroform	1.4	U	1.4	8.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.7	U	1.7	8.1	ug/Kg
108-87-2	Methylcyclohexane	1.9	U	1.9	8.1	ug/Kg
71-43-2	Benzene	1.4	U	1.4	8.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.9	UQ	1.9	8.1	ug/Kg
79-01-6	Trichloroethene	1.5	U	1.5	8.1	ug/Kg
78-87-5	1,2-Dichloropropane	2	U	2	8.1	ug/Kg
75-27-4	Bromodichloromethane	1.6	UQ	1.6	8.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9	U	9	40.4	ug/Kg
108-88-3	Toluene	1.6	U	1.6	8.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.6	U	1.6	8.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.7	U	1.7	8.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.3
Sample Wt/Vol:	4.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062306.D	1		05/13/19 15:54	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.3	U	2.3	8.1	ug/Kg
591-78-6	2-Hexanone	11.9	U	11.9	40.4	ug/Kg
124-48-1	Dibromochloromethane	2.1	U	2.1	8.1	ug/Kg
106-93-4	1,2-Dibromoethane	2.1	U	2.1	8.1	ug/Kg
127-18-4	Tetrachloroethene	1.1	U	1.1	8.1	ug/Kg
108-90-7	Chlorobenzene	1.3	U	1.3	8.1	ug/Kg
100-41-4	Ethyl Benzene	1.4	U J	1.4	8.1	ug/Kg
179601-23-1	m/p-Xylenes	2.7	U	2.7	16.2	ug/Kg
95-47-6	o-Xylene	1.8	U	1.8	8.1	ug/Kg
100-42-5	Styrene	1.6	U J	1.6	8.1	ug/Kg
75-25-2	Bromoform	5.3	U	5.3	8.1	ug/Kg
98-82-8	Isopropylbenzene	1.4	U J	1.4	8.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.8	U	1.8	8.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	8.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.7	U	1.7	8.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.1	U	2.1	8.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U	5.4	8.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	8.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.1	U	2.1	8.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	55.8		57 - 135	112%	SPK: 50
2037-26-5	Toluene-d8	40.8		67 - 123	82%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.7		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	555287	7.06			
540-36-3	1,4-Difluorobenzene	677843	8.24			
3114-55-4	Chlorobenzene-d5	445413	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	128389	14.53	< 50%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.3
Sample Wt/Vol:	4.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062306.D	1		05/13/19 15:54	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2734
Lab Sample ID:	K2734-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.3
Sample Wt/Vol:	3.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062309.D	1		05/13/19 17:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.6	U	1.6	8.6	ug/Kg
74-87-3	Chloromethane	3.1	U	3.1	8.6	ug/Kg
75-01-4	Vinyl Chloride	1.9	U	1.9	8.6	ug/Kg
74-83-9	Bromomethane	0.65	UQ	0.65	8.6	ug/Kg
75-00-3	Chloroethane	0.99	U	0.99	8.6	ug/Kg
75-69-4	Trichlorofluoromethane	1.1	UQ	1.1	8.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.4	U	1.4	8.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.7	U	1.7	8.6	ug/Kg
67-64-1	Acetone	13.2	U	13.2	43	ug/Kg
75-15-0	Carbon Disulfide	1.8	U	1.8	8.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.4	U	2.4	8.6	ug/Kg
79-20-9	Methyl Acetate	4.8	U	4.8	8.6	ug/Kg
75-09-2	Methylene Chloride	8.9	U	8.9	17.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.2	U	2.2	8.6	ug/Kg
75-34-3	1,1-Dichloroethane	1.6	U	1.6	8.6	ug/Kg
110-82-7	Cyclohexane	3.1	U	3.1	8.6	ug/Kg
78-93-3	2-Butanone	11.5	U	11.5	43	ug/Kg
56-23-5	Carbon Tetrachloride	1.4	U	1.4	8.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.7	U	1.7	8.6	ug/Kg
74-97-5	Bromochloromethane	2.1	U	2.1	8.6	ug/Kg
67-66-3	Chloroform	1.5	U	1.5	8.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.8	U	1.8	8.6	ug/Kg
108-87-2	Methylcyclohexane	2	U	2	8.6	ug/Kg
71-43-2	Benzene	1.4	U	1.4	8.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.1	UQ	2.1	8.6	ug/Kg
79-01-6	Trichloroethene	1.6	U	1.6	8.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.1	U	2.1	8.6	ug/Kg
75-27-4	Bromodichloromethane	1.7	UQ	1.7	8.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.6	U	9.6	43	ug/Kg
108-88-3	Toluene	1.7	U	1.7	8.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.7	U	1.7	8.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.8	U	1.8	8.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2734
Lab Sample ID:	K2734-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.3
Sample Wt/Vol:	3.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062309.D	1		05/13/19 17:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.4	U J	2.4	8.6	ug/Kg
591-78-6	2-Hexanone	12.7	U	12.7	43	ug/Kg
124-48-1	Dibromochloromethane	2.3	U	2.3	8.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.2	U	2.2	8.6	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	1.2	8.6	ug/Kg
108-90-7	Chlorobenzene	1.4	U	1.4	8.6	ug/Kg
100-41-4	Ethyl Benzene	3.6	J	1.5	8.6	ug/Kg
179601-23-1	m/p-Xylenes	2.8	U	2.8	17.2	ug/Kg
95-47-6	o-Xylene	1.9	U	1.9	8.6	ug/Kg
100-42-5	Styrene	5.4	J	1.7	8.6	ug/Kg
75-25-2	Bromoform	5.6	U	5.6	8.6	ug/Kg
98-82-8	Isopropylbenzene	2.6	J	1.5	8.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U	1.9	8.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	8.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.8	U	1.8	8.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.2	U	2.2	8.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	5.7	8.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.9	U	1.9	8.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.2	U	2.2	8.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		56 - 120	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		57 - 135	108%	SPK: 50
2037-26-5	Toluene-d8	32.2	*	67 - 123	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	14.2	*	33 - 141	28%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	533139	7.07			
540-36-3	1,4-Difluorobenzene	653739	8.24			
3114-55-4	Chlorobenzene-d5	283881	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	47169	14.53			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	4.9	J		16.13	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2734
Lab Sample ID:	K2734-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.3
Sample Wt/Vol:	3.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062309.D	1		05/13/19 17:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062505.D	1		05/12/19 16:12	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U R	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	6	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	9.2	U	9.2	29.8	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.4	U	3.4	6	ug/Kg
75-09-2	Methylene Chloride	6.2	U	6.2	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	6	ug/Kg
78-93-3	2-Butanone	8	U	8	29.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	UØ	0.98	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U R	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	6	ug/Kg
67-66-3	Chloroform	1	U	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	UØ	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U J	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	29.8	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	UØ	1.3	6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062505.D	1		05/12/19 16:12	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U J	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	29.8	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6	ug/Kg
127-18-4	Tetrachloroethene	~~0.83~~	~~U~~ R	0.83	6	ug/Kg
108-90-7	Chlorobenzene	~~0.94~~	~~U~~ R	0.94	6	ug/Kg
100-41-4	Ethyl Benzene	4.2	J J+	1	6	ug/Kg
179601-23-1	m/p-Xylenes	~~2~~	~~U~~ R	2	11.9	ug/Kg
95-47-6	o-Xylene	~~1.3~~	~~U~~ R	1.3	6	ug/Kg
100-42-5	Styrene	5.7	J J+	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	~~U~~ R	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	120	*	56 - 120	232%	SPK: 50
1868-53-7	Dibromofluoromethane	90.4	*	57 - 135	181%	SPK: 50
2037-26-5	Toluene-d8	28.6	*	67 - 123	57%	SPK: 50
460-00-4	4-Bromofluorobenzene	17.4		33 - 141	35%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67433	5.07	<20%		
540-36-3	1,4-Difluorobenzene	105443	5.79	<50%		
3114-55-4	Chlorobenzene-d5	56406	9.92	<20%		
3855-82-1	1,4-Dichlorobenzene-d4	16115	12.63			
TENTATIVE IDENTIFIED COMPOUNDS						
052812-80-3	Acetamide, N,N-bis(2,4-dimethylphe unknown	7.4	J		13.34	ug/Kg
	unknown14.51	9	J		14.51	ug/Kg
	unknown14.65	6.6	J		14.65	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062505.D	1		05/12/19 16:12	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

5/30/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062548.D	1		05/13/19 18:15	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U	0.9	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	5	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	5	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	5	ug/Kg
67-64-1	Acetone	7.6	U J	7.6	24.8	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5	ug/Kg
75-09-2	Methylene Chloride	5.1	U	5.1	9.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.9	U	0.9	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U~~Ø~~ J	0.82	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.98	U	0.98	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U J	1.2	5	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	5	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.8	ug/Kg
108-88-3	Toluene	0.97	U	0.97	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062548.D	1		05/13/19 18:15	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.8	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	5	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	5	ug/Kg
100-41-4	Ethyl Benzene	1.7	J	0.85	5	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.9	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	2.1	J	0.98	5	ug/Kg
75-25-2	Bromoform	3.2	U	3.2	5	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		57 - 135	109%	SPK: 50
2037-26-5	Toluene-d8	36.4		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	20.6		33 - 141	41%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309437	5.08			
540-36-3	1,4-Difluorobenzene	371290	5.8			
3114-55-4	Chlorobenzene-d5	222154	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	57045	12.62			

<50%

5/30/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-07RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062548.D	1		05/13/19 18:15	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062549.D	1		05/13/19 18:43	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.4	U J	8.4	27.4	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	U ~~J~~ J	0.9	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U J	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062549.D	1		05/13/19 18:43	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.4	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.5	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.4		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	38.3		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.7		33 - 141	63%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	350163	5.08			
540-36-3	1,4-Difluorobenzene	465930	5.8			
3114-55-4	Chlorobenzene-d5	349594	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	163367	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062549.D	1		05/13/19 18:43	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	5.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062507.D	1		05/12/19 17:09	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U R	0.93	5.1	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.1	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.1	ug/Kg
74-83-9	Bromomethane	0.39	U	0.39	5.1	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	U	0.66	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.1	ug/Kg
67-64-1	Acetone	7.8	U	7.8	25.5	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.1	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.1	ug/Kg
75-09-2	Methylene Chloride	5.3	U	5.3	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.93	U	0.93	5.1	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5.1	ug/Kg
78-93-3	2-Butanone	6.8	U	6.8	25.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	UQ J	0.84	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	~~1~~	~~U~~ R	1	5.1	ug/Kg
74-97-5	Bromochloromethane	~~1.2~~	~~U~~ R	1.2	5.1	ug/Kg
67-66-3	Chloroform	~~0.88~~	~~U~~ R	0.88	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	~~1.1~~	~~UQ~~ R	1.1	5.1	ug/Kg
108-87-2	Methylcyclohexane	1.2	U J	1.2	5.1	ug/Kg
71-43-2	Benzene	0.86	U	0.86	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.1	ug/Kg
79-01-6	Trichloroethene	0.95	U	0.95	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.1	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.7	U	5.7	25.5	ug/Kg
108-88-3	Toluene	1	U	1	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	UQ	1.1	5.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	5.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062507.D	1		05/12/19 17:09	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U J	1.5	5.1	ug/Kg
591-78-6	2-Hexanone	7.5	U	7.5	25.5	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.1	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	5.1	ug/Kg
108-90-7	Chlorobenzene	0.8	U	0.8	5.1	ug/Kg
100-41-4	Ethyl Benzene	0.87	U	0.87	5.1	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.2	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.1	ug/Kg
100-42-5	Styrene	1	U	1	5.1	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.1	ug/Kg
98-82-8	Isopropylbenzene	0.88	U R	0.88	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	140	*	56 - 120	282%	SPK: 50
1868-53-7	Dibromofluoromethane	80.4	*	57 - 135	161%	SPK: 50
2037-26-5	Toluene-d8	25.5	*	67 - 123	51%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.3		33 - 141	43%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64803	5.08	<20%		
540-36-3	1,4-Difluorobenzene	128277	5.8	<50%		
3114-55-4	Chlorobenzene-d5	79159	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	29741	12.62	<20%		

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	5.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062507.D	1		05/12/19 17:09	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062550.D	1		05/13/19 19:11	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	4.3	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.3	ug/Kg
75-01-4	Vinyl Chloride	0.95	U	0.95	4.3	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	4.3	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	4.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.55	U	0.55	4.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.68	U	0.68	4.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.85	U	0.85	4.3	ug/Kg
67-64-1	Acetone	6.5	U J	6.5	21.3	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.3	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.3	ug/Kg
75-09-2	Methylene Chloride	4.4	U	4.4	8.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.78	U	0.78	4.3	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.3	ug/Kg
78-93-3	2-Butanone	5.7	U	5.7	21.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.7	U ~~Ø~~ J	0.7	4.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.84	U	0.84	4.3	ug/Kg
74-97-5	Bromochloromethane	1	U J	1	4.3	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	4.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.9	U	0.9	4.3	ug/Kg
108-87-2	Methylcyclohexane	1	U J	1	4.3	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.3	ug/Kg
79-01-6	Trichloroethene	0.79	U	0.79	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.3	ug/Kg
75-27-4	Bromodichloromethane	0.85	U	0.85	4.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.8	U	4.8	21.3	ug/Kg
108-88-3	Toluene	0.83	U	0.83	4.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.86	U	0.86	4.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.91	U	0.91	4.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062550.D	1		05/13/19 19:11	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.3	ug/Kg
591-78-6	2-Hexanone	6.3	U	6.3	21.3	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.3	ug/Kg
127-18-4	Tetrachloroethene	0.59	U	0.59	4.3	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	4.3	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	4.3	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.5	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	4.3	ug/Kg
100-42-5	Styrene	0.84	U	0.84	4.3	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.3	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	4.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.91	U	0.91	4.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.9	U	0.9	4.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.95	U	0.95	4.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	36.6		56 - 120	73%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	40.4		67 - 123	81%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185790	5.07			
540-36-3	1,4-Difluorobenzene	216174	5.8			
3114-55-4	Chlorobenzene-d5	164976	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	72684	12.62			

<50 %

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-09RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062550.D	1		05/13/19 19:11	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062551.D	1		05/13/19 19:39	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	5.2	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.2	ug/Kg
74-83-9	Bromomethane	0.39	U	0.39	5.2	ug/Kg
75-00-3	Chloroethane	0.6	U	0.6	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.67	U	0.67	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	8	U J	8	26.1	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.2	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.2	ug/Kg
75-09-2	Methylene Chloride	5.4	U	5.4	10.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.95	U	0.95	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	7	U	7	26.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U ~~J~~	0.86	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.2	U J	1.2	5.2	ug/Kg
67-66-3	Chloroform	0.9	U	0.9	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.2	ug/Kg
79-01-6	Trichloroethene	0.97	U	0.97	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.8	U	5.8	26.1	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062551.D	1		05/13/19 19:39	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.7	U	7.7	26.1	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	5.2	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.2	ug/Kg
100-41-4	Ethyl Benzene	1.3	J	0.89	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.4	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.2	ug/Kg
100-42-5	Styrene	3	J	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.9	U	0.9	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	37.3		67 - 123	75%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	348869	5.08			
540-36-3	1,4-Difluorobenzene	463897	5.8			
3114-55-4	Chlorobenzene-d5	350437	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	152135	12.63			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062551.D	1		05/13/19 19:39	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010394.D	1		05/11/19 21:22	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.4	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.4	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.4	ug/Kg
74-83-9	Bromomethane	0.48	U	0.48	6.4	ug/Kg
75-00-3	Chloroethane	0.74	U	0.74	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
67-64-1	Acetone	440	J	9.8	32	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.4	ug/Kg
79-20-9	Methyl Acetate	3.6	U	3.6	6.4	ug/Kg
75-09-2	Methylene Chloride	13.1	J+	6.6	12.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.4	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.4	ug/Kg
78-93-3	2-Butanone	27.1	J	8.5	32	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.4	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.4	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.4	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.4	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.4	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.2	U	7.2	32	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010394.D	1		05/11/19 21:22	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U J	1.8	6.4	ug/Kg
591-78-6	2-Hexanone	9.4	U	9.4	32	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.4	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	6.4	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.4	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.4	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.8	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.4	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.4	ug/Kg
75-25-2	Bromoform	4.2	U	4.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	1.1	U R	1.1	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.3	U	4.3	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	100	*	56 - 120	200%	SPK: 50
1868-53-7	Dibromofluoromethane	67.1		57 - 135	134%	SPK: 50
2037-26-5	Toluene-d8	31	*	67 - 123	62%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.8		33 - 141	48%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	394199	7.95			
540-36-3	1,4-Difluorobenzene	785925	8.84	<50%		
3114-55-4	Chlorobenzene-d5	594474	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	175717	13.56	<20%		
TENTATIVE IDENTIFIED COMPOUNDS						
000074-93-1	Methanethiol	11.7	J N		2.65	ug/Kg
60-29-7	Diethyl Ether	6.5	J		3.67	ug/Kg
000075-18-3	Dimethyl sulfide	24.7	J N		4.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010394.D	1		05/11/19 21:22	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001014-60-4	Benzene, 1,3-bis(1,1-dimethylethyl	6.6	J		15.44	ug/Kg

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	4.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062530.D	1		05/13/19 05:16	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	7	ug/Kg
74-87-3	Chloromethane	2.5	U	2.5	7	ug/Kg
75-01-4	Vinyl Chloride	1.6	U	1.6	7	ug/Kg
74-83-9	Bromomethane	0.53	U	0.53	7	ug/Kg
75-00-3	Chloroethane	0.8	U	0.8	7	ug/Kg
75-69-4	Trichlorofluoromethane	0.9	U	0.9	7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	7	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	7	ug/Kg
67-64-1	Acetone	49.7		10.7	34.9	ug/Kg
75-15-0	Carbon Disulfide	1.5	U	1.5	7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	7	ug/Kg
79-20-9	Methyl Acetate	3.9	U	3.9	7	ug/Kg
75-09-2	Methylene Chloride *13.1	~~7.3~~	~~U~~ J+	7.3	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.8	U	1.8	7	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	7	ug/Kg
110-82-7	Cyclohexane	2.5	U	2.5	7	ug/Kg
78-93-3	2-Butanone *27.1	~~9.3~~	~~U~~ J+	9.3	34.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U~~0~~ J	1.2	7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	7	ug/Kg
74-97-5	Bromochloromethane	1.7	U	1.7	7	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U~~0~~	1.5	7	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	7	ug/Kg
71-43-2	Benzene	1.2	U	1.2	7	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	7	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	7	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.8	U	7.8	34.9	ug/Kg
108-88-3	Toluene	1.4	U	1.4	7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.5	U~~0~~	1.5	7	ug/Kg

* Results transcribed from the original analysis

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	4.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062530.D	1		05/13/19 05:16	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2	U	2	7	ug/Kg
591-78-6	2-Hexanone	10.3	U	10.3	34.9	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	7	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U	1.8	7	ug/Kg
127-18-4	Tetrachloroethene	0.97	U	0.97	7	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	7	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	7	ug/Kg
179601-23-1	m/p-Xylenes	2.3	U	2.3	14	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	7	ug/Kg
100-42-5	Styrene	1.4	U	1.4	7	ug/Kg
75-25-2	Bromoform	4.6	U	4.6	7	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.8	U	1.8	7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.6	U	4.6	7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.8	U	1.8	7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		56 - 120	111%	SPK: 50
1868-53-7	Dibromofluoromethane	63		57 - 135	126%	SPK: 50
2037-26-5	Toluene-d8	46.1		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224008	5.08			
540-36-3	1,4-Difluorobenzene	283584	5.8			
3114-55-4	Chlorobenzene-d5	194892	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	77626	12.63			

< 50 %

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	4.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062530.D	1		05/13/19 05:16	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.4
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010395.D	1		05/11/19 21:50	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	220	J+	8.8	28.5	ug/Kg
75-15-0	Carbon Disulfide	~~1.2~~	~~U~~ R	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	~~1.6~~	~~U~~ R	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	~~3.2~~	~~U~~ R	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	16.3	J+	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	~~1.4~~	~~U~~ R	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.4
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010395.D	1		05/11/19 21:50	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U R	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	210	*	56 - 120	426%	SPK: 50
1868-53-7	Dibromofluoromethane	120	*	57 - 135	239%	SPK: 50
2037-26-5	Toluene-d8	45		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.4		33 - 141	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	188269	7.95			
540-36-3	1,4-Difluorobenzene	394612	8.84			
3114-55-4	Chlorobenzene-d5	331913	11.63			
3855-82-1	1,4-Dichlorobenzene-d4	86180	13.56			
TENTATIVE IDENTIFIED COMPOUNDS						
60-29-7	Diethyl Ether	6.3	J		3.68	ug/Kg
001014-60-4	Benzene, 1,3-bis(1,1-dimethylethyl	7.8	J		15.44	ug/Kg

Unknown

<2 0%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.4
Sample Wt/Vol:	5.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VW010395.D	1		05/11/19 21:50	VW051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.4
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062531.D	1		05/13/19 05:44	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.44	U	0.44	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone *220	~~9~~	~~U~~ J+	9	29.3	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride *16.3	~~6.1~~	~~U~~ J+	6.1	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.8	U	7.8	29.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U ~~J~~	0.97	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	U	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.98	U	0.98	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.3	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	5.9	ug/Kg

* Results transferred from the original analysis.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.4
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062531.D	1		05/13/19 05:44	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.3	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.7	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U J	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	34.9		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.9		33 - 141	50%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242969	5.08			
540-36-3	1,4-Difluorobenzene	310240	5.79			
3114-55-4	Chlorobenzene-d5	210841	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	76873	12.62			

- < 50%

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.4
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062531.D	1		05/13/19 05:44	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.1
Sample Wt/Vol:	4.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062532.D	1		05/13/19 06:12	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	1.4	7.7	ug/Kg
74-87-3	Chloromethane	2.7	U	2.7	7.7	ug/Kg
75-01-4	Vinyl Chloride	1.7	U	1.7	7.7	ug/Kg
74-83-9	Bromomethane	0.58	U	0.58	7.7	ug/Kg
75-00-3	Chloroethane	0.88	U	0.88	7.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.99	U	0.99	7.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.2	U	1.2	7.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	1.5	7.7	ug/Kg
67-64-1	Acetone	11.8	U	11.8	38.3	ug/Kg
75-15-0	Carbon Disulfide	1.6	U	1.6	7.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.1	U	2.1	7.7	ug/Kg
79-20-9	Methyl Acetate	4.3	U	4.3	7.7	ug/Kg
75-09-2	Methylene Chloride	8	U	8	15.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.9	U	1.9	7.7	ug/Kg
75-34-3	1,1-Dichloroethane	1.4	U	1.4	7.7	ug/Kg
110-82-7	Cyclohexane	2.8	U	2.8	7.7	ug/Kg
78-93-3	2-Butanone	10.2	U	10.2	38.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.3	~~UQ~~ J	1.3	7.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.5	U	1.5	7.7	ug/Kg
74-97-5	Bromochloromethane	1.8	U	1.8	7.7	ug/Kg
67-66-3	Chloroform	1.3	U	1.3	7.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.6	~~UQ~~	1.6	7.7	ug/Kg
108-87-2	Methylcyclohexane	1.8	U J	1.8	7.7	ug/Kg
71-43-2	Benzene	1.3	U	1.3	7.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.8	U	1.8	7.7	ug/Kg
79-01-6	Trichloroethene	1.4	U	1.4	7.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.9	U	1.9	7.7	ug/Kg
75-27-4	Bromodichloromethane	1.5	U	1.5	7.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.6	U	8.6	38.3	ug/Kg
108-88-3	Toluene	1.5	U	1.5	7.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5	U	1.5	7.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.6	~~UQ~~	1.6	7.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.1
Sample Wt/Vol:	4.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062532.D	1		05/13/19 06:12	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.2	U	2.2	7.7	ug/Kg
591-78-6	2-Hexanone	11.3	U	11.3	38.3	ug/Kg
124-48-1	Dibromochloromethane	2	U	2	7.7	ug/Kg
106-93-4	1,2-Dibromoethane	2	U	2	7.7	ug/Kg
127-18-4	Tetrachloroethene	1.1	U	1.1	7.7	ug/Kg
108-90-7	Chlorobenzene	1.2	U	1.2	7.7	ug/Kg
100-41-4	Ethyl Benzene	1.3	U	1.3	7.7	ug/Kg
179601-23-1	m/p-Xylenes	2.5	U	2.5	15.3	ug/Kg
95-47-6	o-Xylene	1.7	U	1.7	7.7	ug/Kg
100-42-5	Styrene	1.5	U	1.5	7.7	ug/Kg
75-25-2	Bromoform	5	U	5	7.7	ug/Kg
98-82-8	Isopropylbenzene	1.3	U	1.3	7.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.7	U	1.7	7.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.6	U	1.6	7.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.6	U	1.6	7.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.9	U	1.9	7.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U	5.1	7.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	7.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.9	U	1.9	7.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38		56 - 120	76%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	39.6		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.4		33 - 141	59%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158102	5.08			
540-36-3	1,4-Difluorobenzene	178112	5.8			
3114-55-4	Chlorobenzene-d5	138502	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	55345	12.62			

<50%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	22.1
Sample Wt/Vol:	4.19 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062532.D	1		05/13/19 06:12	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062466.D	1		05/11/19 18:04	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U J	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.6	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.6	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.9	U	0.9	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	8.6	U	8.6	28.1	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.6	ug/Kg
75-09-2	Methylene Chloride	6.1	J	5.8	11.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.5	U	7.5	28.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	UQ	0.93	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.97	UQ	0.97	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.94	U	0.94	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.6	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.3	U	6.3	28.1	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	UQ	1.2	5.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062466.D	1		05/11/19 18:04	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.3	U	8.3	28.1	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.6	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.96	U	0.96	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.2	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.2	*	56 - 120	134%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		57 - 135	117%	SPK: 50
2037-26-5	Toluene-d8	32	*	67 - 123	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.9		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180179	5.07			
540-36-3	1,4-Difluorobenzene	251505	5.78			
3114-55-4	Chlorobenzene-d5	187183	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	99510	12.62			

<50-1.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062466.D	1		05/11/19 18:04	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062533.D	1		05/13/19 06:39	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.6	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.6	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.9	U	0.9	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	8.6	U	8.6	28.1	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.6	ug/Kg
75-09-2	Methylene Chloride * 6.1	~~5.8~~	~~U~~ J	5.8	11.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.5	U	7.5	28.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	U~~Ø~~ J	0.93	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U~~Ø~~	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.94	U	0.94	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.6	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.3	U	6.3	28.1	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U~~Ø~~	1.2	5.6	ug/Kg

* Result transferred from original analysis

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062533.D	1		05/13/19 06:39	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.3	U	8.3	28.1	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.6	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.96	U	0.96	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.2	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.8		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	36.6		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.4		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247171	5.07			
540-36-3	1,4-Difluorobenzene	327206	5.79			
3114-55-4	Chlorobenzene-d5	247073	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	101049	12.62	< 50·1		

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062533.D	1		05/13/19 06:39	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.2
Sample Wt/Vol:	6.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062467.D	1		05/11/19 18:32	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U J	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	U	0.6	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
67-64-1	Acetone	7.2	U	7.2	23.3	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	7.2	J	4.9	9.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	UQ	0.77	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.92	U	0.92	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	UQ	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	UQ	0.99	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.78	U	0.78	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.3	ug/Kg
108-88-3	Toluene	0.91	U	0.91	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	UQ	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.2
Sample Wt/Vol:	6.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062467.D	1		05/11/19 18:32	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U J	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.3	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.3	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.93	U	0.93	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.81	U	0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	92.3	*	56 - 120	185%	SPK: 50
1868-53-7	Dibromofluoromethane	67.8	*	57 - 135	136%	SPK: 50
2037-26-5	Toluene-d8	32.2	*	67 - 123	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.9		33 - 141	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122348	5.06			
540-36-3	1,4-Difluorobenzene	193099	5.78			
3114-55-4	Chlorobenzene-d5	147461	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	80864	12.61			

<50-1

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.2
Sample Wt/Vol:	6.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062467.D	1		05/11/19 18:32	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1824-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.2
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062534.D	1		05/13/19 07:07	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.8	U	8.8	28.7	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.7	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	UQ	0.95	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.99	U	0.99	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.7	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	UQ	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1824-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.2
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062534.D	1		05/13/19 07:07	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U J	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.5	U	8.5	28.7	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.8	U	0.8	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.98	U	0.98	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U R	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.7		56 - 120	75%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	39.2		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.4		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	74348	5.08			
540-36-3	1,4-Difluorobenzene	89131	5.79			
3114-55-4	Chlorobenzene-d5	72457	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	32746	12.62			

<50%

<20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS013-1824-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.2
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062534.D	1		05/13/19 07:07	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	41.1
Sample Wt/Vol:	3.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062468.D	1		05/11/19 19:00	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2	U	2	11.3	ug/Kg
74-87-3	Chloromethane	4	U	4	11.3	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	2.5	11.3	ug/Kg
74-83-9	Bromomethane	0.85	U	0.85	11.3	ug/Kg
75-00-3	Chloroethane	1.3	U	1.3	11.3	ug/Kg
75-69-4	Trichlorofluoromethane	1.5	U	1.5	11.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.8	U	1.8	11.3	ug/Kg
75-35-4	1,1-Dichloroethene	2.2	U	2.2	11.3	ug/Kg
67-64-1	Acetone	250	J	17.3	56.3	ug/Kg
75-15-0	Carbon Disulfide	2.4	U	2.4	11.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.1	U	3.1	11.3	ug/Kg
79-20-9	Methyl Acetate	6.3	U	6.3	11.3	ug/Kg
75-09-2	Methylene Chloride	11.7	U	11.7	22.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.8	U	2.8	11.3	ug/Kg
75-34-3	1,1-Dichloroethane	2	U	2	11.3	ug/Kg
110-82-7	Cyclohexane	4	U	4	11.3	ug/Kg
78-93-3	2-Butanone	15	U	15	56.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.9	~~UQ~~ J	1.9	11.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.2	U	2.2	11.3	ug/Kg
74-97-5	Bromochloromethane	2.7	U	2.7	11.3	ug/Kg
67-66-3	Chloroform	1.9	~~UQ~~	1.9	11.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.4	~~UQ~~	2.4	11.3	ug/Kg
108-87-2	Methylcyclohexane	2.7	U	2.7	11.3	ug/Kg
71-43-2	Benzene	1.9	U	1.9	11.3	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	2.7	11.3	ug/Kg
79-01-6	Trichloroethene	2.1	U	2.1	11.3	ug/Kg
78-87-5	1,2-Dichloropropane	2.8	U	2.8	11.3	ug/Kg
75-27-4	Bromodichloromethane	2.2	U	2.2	11.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.6	U	12.6	56.3	ug/Kg
108-88-3	Toluene	2.2	U	2.2	11.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.3	U	2.3	11.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.4	~~UQ~~	2.4	11.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	41.1
Sample Wt/Vol:	3.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062468.D	1		05/11/19 19:00	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	3.2	U	3.2	11.3	ug/Kg
591-78-6	2-Hexanone	16.6	U	16.6	56.3	ug/Kg
124-48-1	Dibromochloromethane	3	U	3	11.3	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	2.9	11.3	ug/Kg
127-18-4	Tetrachloroethene	1.6	U J	1.6	11.3	ug/Kg
108-90-7	Chlorobenzene	1.8	U	1.8	11.3	ug/Kg
100-41-4	Ethyl Benzene	1.9	U	1.9	11.3	ug/Kg
179601-23-1	m/p-Xylenes	3.7	U	3.7	22.5	ug/Kg
95-47-6	o-Xylene	2.5	U	2.5	11.3	ug/Kg
100-42-5	Styrene	2.2	U	2.2	11.3	ug/Kg
75-25-2	Bromoform	7.4	U	7.4	11.3	ug/Kg
98-82-8	Isopropylbenzene	1.9	U	1.9	11.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U	2.4	11.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.4	U	2.4	11.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	2.4	11.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	2.9	11.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.5	U	7.5	11.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	2.5	11.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	U	2.9	11.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	76.9	*	56 - 120	154%	SPK: 50
1868-53-7	Dibromofluoromethane	74.1	*	57 - 135	148%	SPK: 50
2037-26-5	Toluene-d8	38.5		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		33 - 141	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178639	5.06			
540-36-3	1,4-Difluorobenzene	240670	5.78			
3114-55-4	Chlorobenzene-d5	177958	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	92524	12.61			
TENTATIVE IDENTIFIED COMPOUNDS						
000075-18-3	Dimethyl sulfide	12.5	J N		1.99	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	41.1
Sample Wt/Vol:	3.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	ul.	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062468.D	1		05/11/19 19:00	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	41.1
Sample Wt/Vol:	4.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062535.D	1		05/13/19 07:35	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.6	U	1.6	9	ug/Kg
74-87-3	Chloromethane	3.2	U	3.2	9	ug/Kg
75-01-4	Vinyl Chloride	2	U	2	9	ug/Kg
74-83-9	Bromomethane	0.68	U	0.68	9	ug/Kg
75-00-3	Chloroethane	1	U	1	9	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	1.2	9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.4	U	1.4	9	ug/Kg
75-35-4	1,1-Dichloroethene	1.8	U	1.8	9	ug/Kg
67-64-1	Acetone	300		13.8	44.9	ug/Kg
75-15-0	Carbon Disulfide	1.9	U	1.9	9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	2.5	9	ug/Kg
79-20-9	Methyl Acetate	5	U	5	9	ug/Kg
75-09-2	Methylene Chloride	9.3	U	9.3	17.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.3	U	2.3	9	ug/Kg
75-34-3	1,1-Dichloroethane	1.6	U	1.6	9	ug/Kg
110-82-7	Cyclohexane	3.2	U	3.2	9	ug/Kg
78-93-3	2-Butanone	12	U	12	44.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.5	U	1.5	9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.8	U	1.8	9	ug/Kg
74-97-5	Bromochloromethane	2.1	U	2.1	9	ug/Kg
67-66-3	Chloroform	1.5	U	1.5	9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.9	U	1.9	9	ug/Kg
108-87-2	Methylcyclohexane	2.1	U	2.1	9	ug/Kg
71-43-2	Benzene	1.5	U	1.5	9	ug/Kg
107-06-2	1,2-Dichloroethane	2.2	U	2.2	9	ug/Kg
79-01-6	Trichloroethene	1.7	U	1.7	9	ug/Kg
78-87-5	1,2-Dichloropropane	2.2	U	2.2	9	ug/Kg
75-27-4	Bromodichloromethane	1.8	U	1.8	9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10	U	10	44.9	ug/Kg
108-88-3	Toluene	1.8	U	1.8	9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.8	U	1.8	9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.9	U	1.9	9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	41.1
Sample Wt/Vol:	4.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062535.D	1		05/13/19 07:35	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.6	U	2.6	9	ug/Kg
591-78-6	2-Hexanone	13.2	U	13.2	44.9	ug/Kg
124-48-1	Dibromochloromethane	2.4	U	2.4	9	ug/Kg
106-93-4	1,2-Dibromoethane	2.3	U	2.3	9	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	1.2	9	ug/Kg
108-90-7	Chlorobenzene	1.4	U	1.4	9	ug/Kg
100-41-4	Ethyl Benzene	1.5	U	1.5	9	ug/Kg
179601-23-1	m/p-Xylenes	3	U	3	17.9	ug/Kg
95-47-6	o-Xylene	2	U	2	9	ug/Kg
100-42-5	Styrene	1.8	U	1.8	9	ug/Kg
75-25-2	Bromoform	5.9	U	5.9	9	ug/Kg
98-82-8	Isopropylbenzene	1.6	U	1.6	9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U	1.9	9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.9	U	1.9	9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.9	U	1.9	9	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.3	U	2.3	9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6	U	6	9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2	U	2	9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.3	U	2.3	9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	34.9		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	20.5		33 - 141	41%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201585	5.07			
540-36-3	1,4-Difluorobenzene	259094	5.79			
3114-55-4	Chlorobenzene-d5	163668	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	45892	12.62			

<50%

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	41.1
Sample Wt/Vol:	4.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062535.D	1		05/13/19 07:35	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.7
Sample Wt/Vol:	5.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062469.D	1		05/11/19 19:27	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.9	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.9	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.9	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	5.9	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
67-64-1	Acetone	62.2	J	9.1	29.6	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.9	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.9	ug/Kg
75-09-2	Methylene Chloride	6.1	U	6.1	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.9	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	UQ J	0.98	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	5.9	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.9	ug/Kg
67-66-3	Chloroform	1	UQ	1	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	UQ	1.3	5.9	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.9	ug/Kg
71-43-2	Benzene	0.99	U	0.99	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.9	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	5.9	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.6	U	6.6	29.6	ug/Kg
108-88-3	Toluene	1.2	U	1.2	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	UQ	1.3	5.9	ug/Kg

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.7
Sample Wt/Vol:	5.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062469.D	1		05/11/19 19:27	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	5.9	ug/Kg
591-78-6	2-Hexanone	8.7	U	8.7	29.6	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.9	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	5.9	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.9	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	5.9	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.8	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.9	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.9	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	5.9	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		56 - 120	91%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	37		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.8		33 - 141	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284292	5.06			
540-36-3	1,4-Difluorobenzene	361021	5.78			
3114-55-4	Chlorobenzene-d5	282339	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	157488	12.61			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2734
Lab Sample ID:	K2734-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.7
Sample Wt/Vol:	5.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	ul.	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062469.D	1		05/11/19 19:27	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.7
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062536.D	1		05/13/19 08:03	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.8	ug/Kg
74-87-3	Chloromethane	2.4	U	2.4	6.8	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.8	ug/Kg
74-83-9	Bromomethane	0.51	U	0.51	6.8	ug/Kg
75-00-3	Chloroethane	0.78	U	0.78	6.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.87	U	0.87	6.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.8	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.8	ug/Kg
67-64-1	Acetone	10.4	U	10.4	33.8	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.8	ug/Kg
79-20-9	Methyl Acetate	3.8	U	3.8	6.8	ug/Kg
75-09-2	Methylene Chloride	7	U	7	13.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.8	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.8	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.8	ug/Kg
78-93-3	2-Butanone	9	U	9	33.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	UQ J	1.1	6.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.8	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.8	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	UQ	1.4	6.8	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.8	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U	1.6	6.8	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	6.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	6.8	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.6	U	7.6	33.8	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	6.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	UQ	1.4	6.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.7
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062536.D	1		05/13/19 08:03	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U	1.9	6.8	ug/Kg
591-78-6	2-Hexanone	10	U	10	33.8	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U	1.8	6.8	ug/Kg
127-18-4	Tetrachloroethene	0.94	U	0.94	6.8	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.8	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	6.8	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.5	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.8	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.8	ug/Kg
75-25-2	Bromoform	4.4	U	4.4	6.8	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U	4.5	6.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		57 - 135	105%	SPK: 50
2037-26-5	Toluene-d8	38.3		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.7		33 - 141	47%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243593	5.07			
540-36-3	1,4-Difluorobenzene	318083	5.79			
3114-55-4	Chlorobenzene-d5	215192	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	76427	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0206-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.7
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062536.D	1		05/13/19 08:03	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062537.D	1		05/13/19 08:31	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.8	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.8	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.8	ug/Kg
74-83-9	Bromomethane	0.44	U	0.44	5.8	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.8	ug/Kg
67-64-1	Acetone	8.8	U	8.8	28.8	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.8	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.8	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.8	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.8	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	UQ J	0.95	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.8	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.8	ug/Kg
67-66-3	Chloroform	0.99	U	0.99	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.8	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.8	ug/Kg
71-43-2	Benzene	0.97	U	0.97	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.8	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.8	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.8	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	UQ	1.2	5.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062537.D	1		05/13/19 08:31	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.8	ug/Kg
591-78-6	2-Hexanone	8.5	U	8.5	28.8	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.8	ug/Kg
127-18-4	Tetrachloroethene	0.8	U	0.8	5.8	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.8	ug/Kg
100-41-4	Ethyl Benzene	0.98	U	0.98	5.8	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.8	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.8	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.8	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	37.5		67 - 123	75%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.9		33 - 141	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	290324	5.08			
540-36-3	1,4-Difluorobenzene	404773	5.8			
3114-55-4	Chlorobenzene-d5	333050	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	171592	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2734
Lab Sample ID:	K2734-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23
Sample Wt/Vol:	5.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062537.D	1		05/13/19 08:31	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062471.D	1		05/11/19 20:23	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	5.2	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.2	ug/Kg
74-83-9	Bromomethane	0.4	U	0.4	5.2	ug/Kg
75-00-3	Chloroethane	0.6	U	0.6	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.67	U	0.67	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	8	U	8	26.1	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.2	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.2	ug/Kg
75-09-2	Methylene Chloride	6.4	J	5.4	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.95	U	0.95	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	7	U	7	26.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	UØ	0.86	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.2	ug/Kg
67-66-3	Chloroform	0.9	UØ	0.9	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UØ	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.88	U	0.88	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.2	ug/Kg
79-01-6	Trichloroethene	0.97	U	0.97	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.8	U	5.8	26.1	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	UØ	1.1	5.2	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062471.D	1		05/11/19 20:23	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.7	U	7.7	26.1	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	5.2	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.89	U	0.89	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.5	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.2	ug/Kg
100-42-5	Styrene	1	U	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.9	U	0.9	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	71.6	*	56 - 120	143%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		57 - 135	120%	SPK: 50
2037-26-5	Toluene-d8	29.1	*	67 - 123	58%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.4		33 - 141	63%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	147710	5.06			
540-36-3	1,4-Difluorobenzene	212614	5.78			
3114-55-4	Chlorobenzene-d5	152516	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	79516	12.61			

<50%

5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2734
Lab Sample ID:	K2734-19	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062471.D	1		05/11/19 20:23	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	5.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062513.D	1		05/12/19 19:56	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.5	U	8.5	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	UJ	0.91	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UJ	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.93	U	0.93	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.6	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	UJ	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	5.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062513.D	1		05/12/19 19:56	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.6	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.5	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.96	U R	0.96	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.3		56 - 120	75%	SPK: 50
1868-53-7	Dibromofluoromethane	43.3		57 - 135	87%	SPK: 50
2037-26-5	Toluene-d8	35.5		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	25.9		33 - 141	52%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	119175	5.07			
540-36-3	1,4-Difluorobenzene	145679	5.79			
3114-55-4	Chlorobenzene-d5	116862	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	43688	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1218-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-19RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	5.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062513.D	1		05/12/19 19:56	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062472.D	1		05/11/19 20:51	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
67-64-1	Acetone	7.2	U	7.2	23.5	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	UJ	0.77	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	UJ	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	UJ	0.99	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.5	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	UJ	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062472.D	1		05/11/19 20:51	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U J	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.5	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.4	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.93	U	0.93	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.81	U	0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	75.9	*	56 - 120	152%	SPK: 50
1868-53-7	Dibromofluoromethane	67.7		57 - 135	135%	SPK: 50
2037-26-5	Toluene-d8	34.5		67 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.7		33 - 141	67%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142103	5.06			
540-36-3	1,4-Difluorobenzene	217948	5.78			
3114-55-4	Chlorobenzene-d5	172639	9.91			
3855-82-1	1,4-Dichlorobenzene-d4	85006	12.61			

<50% r

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2734
Lab Sample ID:	K2734-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	5.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062472.D	1		05/11/19 20:51	VF051119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1824-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	5.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062514.D	1		05/12/19 20:24	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
67-64-1	Acetone	7.3	U	7.3	23.8	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U J	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	5	U	5	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U	0.87	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.4	U	6.4	23.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U~~Q~~ J	0.79	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.8	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U~~Q~~	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.8	U	0.8	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.8	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.95	U	0.95	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.8	ug/Kg
108-88-3	Toluene	0.93	U	0.93	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.96	U	0.96	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U~~Q~~	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1824-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	5.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062514.D	1		05/12/19 20:24	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.8	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.8	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.8	ug/Kg
100-42-5	Styrene	0.94	U	0.94	4.8	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	35.6		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.9		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251268	5.08			
540-36-3	1,4-Difluorobenzene	336714	5.8			
3114-55-4	Chlorobenzene-d5	254185	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	112219	12.62			

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5/29/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS014-1824-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-20RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.3
Sample Wt/Vol:	5.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062514.D	1		05/12/19 20:24	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062512.D	1		05/12/19 19:28	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.5	ug/Kg
75-00-3	Chloroethane	0.64	U	0.64	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.5	U	8.5	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	UQ	0.91	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.93	U	0.93	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.6	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	UQ	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062512.D	1		05/12/19 19:28	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U R	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.6	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.5	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.96	U	0.96	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U R	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110	*	56 - 120	212%	SPK: 50
1868-53-7	Dibromofluoromethane	76.5	*	57 - 135	153%	SPK: 50
2037-26-5	Toluene-d8	39.9		67 - 123	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.7		33 - 141	69%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	42417	5.07			
540-36-3	1,4-Difluorobenzene	68303	5.8			
3114-55-4	Chlorobenzene-d5	51815	9.93	<20%		
3855-82-1	1,4-Dichlorobenzene-d4	23396	12.62			
TENTATIVE IDENTIFIED COMPOUNDS						
000075-18-3	Dimethyl sulfide	54.5	J N		1.99	ug/Kg
000624-92-0	Disulfide, dimethyl	14.8	J N		7.45	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2734
Lab Sample ID:	K2734-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062512.D	1		05/12/19 19:28	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

5/29/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-21RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062310.D	1		05/13/19 17:44	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.97	U	0.97	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	UQ	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	UQ	0.69	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.2	U	8.2	26.8	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	5.6	U	5.6	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	U	0.98	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	26.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.9	U	0.9	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	UQ	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	UQ	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6	U	6	26.8	ug/Kg
108-88-3	Toluene	1	U	1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-21RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062310.D	1		05/13/19 17:44	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	7.9	U	7.9	26.8	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.7	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.93	U	0.93	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.5	*	56 - 120	131%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		57 - 135	108%	SPK: 50
2037-26-5	Toluene-d8	37.9		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.4		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289962	7.06			
540-36-3	1,4-Difluorobenzene	386229	8.23			
3114-55-4	Chlorobenzene-d5	255310	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	75101	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0002-01RE	SDG No.:	K2734
Lab Sample ID:	K2734-21RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062310.D	1		05/13/19 17:44	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2734	**OrderDate:**	5/8/2019 10:01:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2734-01	**P021-SS004-1218-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2734-02	**P021-SS004-1824-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2734-03	**P026-SS012-0002-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2734-06	**P026-SS012-0002-02**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2734-07	**P026-SS012-0206-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2734-07RE	**P026-SS012-0206-01RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2734-08	**P026-SS012-0612-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2734-09	**P026-SS012-1218-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/12/19	
K2734-09RE	**P026-SS012-1218-01RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	

LAB CHRONICLE

K2734-10	P026-SS012-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-11	P026-SS013-0002-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-11RE	P026-SS013-0002-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-12	P026-SS013-0206-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-12RE	P026-SS013-0206-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-13	P026-SS013-0612-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-14	P026-SS013-1218-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-14RE	P026-SS013-1218-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-15	P026-SS013-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-15RE	P026-SS013-1824-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-16	P026-SS014-0002-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-16RE	P026-SS014-0002-01RE	SOIL			05/07/19		05/08/19

LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/13/19	
K2734-17	P026-SS014-0206-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-17RE	P026-SS014-0206-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-18	P026-SS014-0612-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2734-19	P026-SS014-1218-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-19RE	P026-SS014-1218-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2734-20	P026-SS014-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/11/19	
K2734-20RE	P026-SS014-1824-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2734-21	P026-SS015-0002-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/12/19	
K2734-21RE	P026-SS015-0002-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	

SHIPPING DOCUMENTS

K2734

6

6.1

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS004-1218-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	14:13	3	Encore	4 C	N
	P021-SS004-1218-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	14:13	1	4 oz glass w/ septum	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL VOCs (Solid)	5/7/2019	14:25	3	Encore	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	14:25	1	4 oz glass w/ septum	4 C	N
	P026-SS012-0002-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:02	9	Encore	4 C	Y
	P026-SS012-0002-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:02	2	4 oz glass w/ septum	4 C	Y
	P026-SS012-0002-02	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:02	3	Encore	4 C	N
	P026-SS012-0002-02	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:02	1	4 oz glass w/ septum	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:09	3	Encore	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:09	1	4 oz glass w/ septum	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:15	3	Encore	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:15	1	4 oz glass w/ septum	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:22	3	Encore	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:22	1	4 oz glass w/ septum	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:32	3	Encore	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:32	1	4 oz glass w/ septum	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL VOCs (Solid)	5/7/2019	08:37	3	Encore	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:37	1	4 oz glass w/ septum	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:42	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	[signature] WESTON	5/7/2019 1630	[signature]	5-8-19 0920	3.7°C / 4.6°C
					IR GUN #1

K2734

6

6.1

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS013-0206-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:42	1	4 oz glass w/ septum	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:49	3	Encore	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:49	1	4 oz glass w/ septum	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	08:54	3	Encore	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	08:54	1	4 oz glass w/ septum	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	09:02	3	Encore	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:02	1	4 oz glass w/ septum	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL VOCs (Solid)	5/7/2019	09:07	3	Encore	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:07	1	4 oz glass w/ septum	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:14	3	Encore	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:14	1	4 oz glass w/ septum	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:21	3	Encore	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:21	1	4 oz glass w/ septum	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:27	3	Encore	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:27	1	4 oz glass w/ septum	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL VOCs (Solid)	5/7/2019	09:33	3	Encore	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:33	1	4 oz glass w/ septum	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:39	3	Encore	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:39	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled / All Analyses	[signature] Weston CSS	5/7/2019 1630	[signature]	5-8-19 0920	3.7°C / 4.6°C
					IR Gun #1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 15/Soils, 1/Aqueous (Rinsate Blank)

Lab Order No.: K2735

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/17/2019

Verified By: [signature] **Date:** 6/17/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 15 soil samples, including one field duplicate, and one rinsate blank for TCL VOC analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample coolers' temperatures measured 3.7 and 4.6 Degrees Celsius (^{o}C) respectively.

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2735				
P026-SS015-0206-01	K2735-01	Soil	TCL VOCs	5/07/2019
P026-SS015-0612-01	K2735-02	Soil	TCL VOCs	5/07/2019
P026-SS015-1218-01	K2735-03	Soil	TCL VOCs	5/07/2019
P026-SS015-1824-01	K2735-04	Soil	TCL VOCs	5/07/2019
P026-SS015-1824-02[1]	K2735-07	Soil	TCL VOCs	5/07/2019
P026-SS016-0002-01	K2735-08	Soil	TCL VOCs	5/07/2019
P026-SS016-0206-01	K2735-09	Soil	TCL VOCs	5/07/2019
P026-SS016-0612-01	K2735-10	Soil	TCL VOCs	5/07/2019
P026-SS016-1218-01	K2735-11	Soil	TCL VOCs	5/07/2019
P026-SS016-1824-01	K2735-12	Soil	TCL VOCs	5/07/2019
P026-SS017-0002-01	K2735-13	Soil	TCL VOCs	5/07/2019
P026-SS017-0206-01	K2735-14	Soil	TCL VOCs	5/07/2019
P026-SS017-0612-01	K2735-15	Soil	TCL VOCs	5/07/2019
P026-SS017-1218-01	K2735-16	Soil	TCL VOCs	5/07/2019
P026-SS017-1824-01	K2735-17	Soil	TCL VOCs	5/07/2019
RB-190507	K2735-18	Aqueous/ Rinse	TCL VOCs	5/07/2019

[1] A field duplicate sample of P026-SS015-1824-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P026-SS015-0206-01:
UJ - all low-level non-detects.
P026-SS015-0206-01RE:
UJ - all low-level non-detects.
P026-SS016-0612-01:
UJ - all low-level non-detects.
P026-SS016-1218-01:
UJ - all low-level non-detects.
P026-SS016-1218-01RE:
UJ - all low-level non-detects.
P026-SS016-1824-01:
UJ - all low-level non-detects.
P026-SS017-0002-01:
UJ - all low-level non-detects.
P026-SS017-0206-01:
UJ - all low-level non-detects.
P026-SS017-0206-01RE:
UJ - all low-level non-detects.

P026-SS017-0612-01:
UJ - all low-level non-detects.
P026-SS017-0612-01RE:
UJ - all low-level non-detects.
J – Acetone
P026-SS017-1218-01:
UJ - all low-level non-detects.
P026-SS017-1218-01RE:
UJ - all low-level non-detects.
P026-SS017-1824-01:
UJ - all low-level non-detects.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS/MSD analyses of sample P026-SS015-1824-01 yielded high MS and/or MSD recoveries for 1,1,1-Trichloroethane, 1,2-Dichloroethane, Bromodichloromethane, Bromomethane, Chloroethane, Carbon Tetrachloride, Chloroform, Ethyl Benzene, Isopropylbenzene, Methyl Acetate, and Trichlorofluoromethane. Since the laboratory control sample analysis yielded acceptable recoveries, the non-compliant recoveries listed above in MS/MSD may be due to matrix interference. The majority of these outlier compounds were not detected in sample P026-SS015-1824-01 and would not be qualified based on the high matrix spike recoveries. Detected ethyl benzene in the unspiked sample P026-SS015-1824-01 was estimated (J).

All relative percent differences (RPDs) were within the acceptance criteria in the MS/MSD analyses of sample P026-SS015-1824-01; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $\leq$20 for all target analytes. For the opening or closing CCV, %D must be $\leq$20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results

may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r ≥ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 7, 2019 on instruments MSVOA.D, the %RSD was greater than (>) 20 for methyl acetate. Since, methyl acetate was fit by linear regression in this initial calibration; no qualifier was applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for 1,2,3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P026-SS015-0206-01, P026-SS015-0612-01, P026-SS015-1218-01, P026-SS015-1824-01, P026-SS015-1824-02, P026-SS016-0612-01, P026-SS016-1218-01, P026-SS016-1824-01, P026-SS017-0002-01, P026-SS017-0206-01, and P026-SS017-0612-01; no action were required.

For the CCV analyzed on 5/13/2019 at 22:49 on instrument MSVOA_D, the %D was >20 for bromomethane, trichlorofluoromethane, bromochloromethane, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for samples P026-SS015-0612-01, P026-SS015-1218-01, P026-SS015-1824-01, and P026-SS015-1824-02.

For the CCV analyzed on 5/14/2019 at 11:14 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, acetone, trichlorotrifluoroethane, carbon tetrachloride, bromochloromethane, bromodichloromethane, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were estimated (UJ) for samples P026-SS016-0002-01, P026-SS016-0206-01, and P026-SS016-1824-01RE.

For the CCV analyzed on 5/09/2019 at 10:17 on instrument MSVOA_X, the %D was >20 for bromochloromethane. The non-detected result for bromochloromethane was estimated (UJ) for sample RB-190507.

Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (less than [<]20% or <50%) or surrogate recoveries were not further qualified due to CCV recoveries >20%.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but less than (<)50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P026-SS016-1824-01RE
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS016-1824-01RE
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS016-1824-01RE, and P026-SS017-0002-01[1]
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS016-1824-01RE, P026-SS016-0612-01[1], P026-SS017-0206-01[1], P026-SS017-0612-01[1], P026-SS017-1218-01[1], P026-SS017-1824-01[1], and P026-SS017-0206-01RE
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P026-SS017-1824-01RE
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P026-SS017-1824-01RE
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P026-SS017-1824-01RE
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P026-SS017-1824-01RE and P026-SS017-0002-01
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P026-SS008-0206-01MS, P026-SS008-0206-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Field duplicate pair P026-SS015-1824-01 and P026-SS015-1824-02 were submitted for soil samples. The RPDs were less than 50%, no qualification was required.

9. COMPOUND IDENTIFICATION:
Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

Not Applicable

The laboratory reported below non-target VOC as TIC. The non-target VOC is not a project target analyte but was present in the sample and quantitated using the VOC calibration standard in the following sample:

RB-190507: Tert Butyl Alcohol

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recoveries of bromomethane, methyl acetate, 1,1,1-trichloroethane, 1,2-dichloroethane, bromodichloromethane, and 1,2,3-trichlorobenzene exceeded the acceptance criteria in the laboratory control sample (LCS) associated with samples P026-SS015-0206-01, P026-SS015-0612-01, P026-SS015-1218-01, P026-SS015-1824-01, P026-SS015-1824-02, P026-SS016-0612-01, P026-SS016-1218-01, P026-SS016-1824-01, P026-SS017-0002-01, P026-SS017-0206-01, and P026-SS017-0612-01. The non-detected results for these compounds were not qualified.

The recoveries of bromomethane and 1,2-dichloroethane exceeded the acceptance criteria in the LCS associated with samples P026-SS017-0206-01RE, P026-SS017-0612-01RE, P026-SS017-1218-01RE, and P026-SS017-1824-01RE. The non-detected results for these compounds were not qualified.

Internal standards and surrogate failed in samples P026-SS016-0612-01 and P026-SS017-0002-01; and laboratory did not reanalyzed the samples. Laboratory indicated in case narrative that Vials A and B were analyzed originally for internal standard and surrogate, Vial B did not purge well, and there was no other vial left for further analysis, therefore the Vial A run was reported as final analysis.. The Vial B raw data is reported in miscellaneous as screening data.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

The majority of samples in this SDG were analyzed as low-level VOCs and/or reanalyzed at low-level to either confirm that poor surrogate and internal standard recoveries were due to matrix effect. Samples P026-SS015-0206-01, P026-SS016-1218-01, P026-SS016-1824-01, P026-SS017-0206-01, P026-SS017-0612-01RE, P026-SS017-1218-01RE, and P026-SS017-1824-01 were used for reporting purposes.

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS015-0206-01	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02[1]
Lab Sample ID	K2735-01	K2735-02	K2735-03	K2735-04	K2735-07
Sample weight (g)	6.11	6.6	5.03	6.55	4.9
Moisture (%)	9.1	10.5	10.4	12.6	10.5
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.82 UJ	0.77 U	1 U	0.79 U	1 U
Chloromethane	1.6 UJ	1.5 U	2 U	1.6 U	2 U
Vinyl Chloride	1 UJ	0.94 U	1.2 U	0.97 U	1.3 U
Bromomethane	0.34 UJ	0.32 UJ	0.42 UJ	0.33 UJ	0.43 UJ
Chloroethane	0.52 UJ	0.49 U	0.64 U	0.5 U	0.66 U
Trichlorofluoromethane	0.58 UJ	0.55 UJ	0.72 UJ	0.56 UJ	0.74 UJ
1,1,2-Trichlorotrifluoroethane	0.72 UJ	0.68 U	0.89 U	0.7 U	0.91 U
1,1-Dichloroethene	0.89 UJ	0.84 U	1.1 U	0.87 U	1.1 U
Acetone	6.9 UJ	6.5 U	8.5 U	6.7 U	8.8 U
Carbon Disulfide	0.96 UJ	0.91 U	1.2 U	0.94 U	1.2 U
Methyl tert-butyl Ether	1.3 UJ	1.2 U	1.5 U	1.2 U	1.6 U
Methyl Acetate	2.5 UJ	2.4 U	3.1 U	2.5 U	3.2 U
Methylene Chloride	4.7 UJ	4.4 U	5.8 U	4.5 U	5.9 U
trans-1,2-Dichloroethene	1.1 UJ	1.1 U	1.4 U	1.1 U	1.4 U
1,1-Dichloroethane	0.82 UJ	0.77 U	1 U	0.79 U	1 U
Cyclohexane	1.6 UJ	1.5 U	2 U	1.6 U	2 U
2-Butanone	6 UJ	5.6 U	7.4 U	5.8 U	7.6 U
Carbon Tetrachloride	0.74 UJ	0.7 U	0.92 U	0.72 U	0.94 U
cis-1,2-Dichloroethene	0.89 UJ	0.83 U	1.1 U	0.86 U	1.1 U
Bromochloromethane	1.1 UJ	1 UJ	1.3 UJ	1 UJ	1.4 UJ
Chloroform	0.78 UJ	0.73 U	0.96 U	0.75 U	0.98 U
1,1,1-Trichloroethane	0.95 UJ	0.9 U	1.2 U	0.92 U	1.2 U
Methylcyclohexane	1.1 UJ	1 U	1.3 U	1 U	1.3 U
Benzene	0.75 UJ	0.71 U	0.93 U	0.73 U	0.96 U
1,2-Dichloroethane	1.1 UJ	1 U	1.3 U	1 U	1.4 U
Trichloroethene	0.84 UJ	0.79 U	1 U	0.81 U	1.1 U
1,2-Dichloropropane	1.1 UJ	1.1 U	1.4 U	1.1 U	1.4 U
Bromodichloromethane	0.89 UJ	0.84 U	1.1 U	0.87 U	1.1 U
4-Methyl-2-Pentanone	5 UJ	4.7 U	6.2 U	4.9 U	6.4 U
Toluene	0.88 UJ	0.83 U	1.1 U	0.85 U	1.1 U
t-1,3-Dichloropropene	0.91 UJ	0.85 U	1.1 U	0.88 U	1.1 U
cis-1,3-Dichloropropene	0.96 UJ	0.91 U	1.2 U	0.93 U	1.2 U
1,1,2-Trichloroethane	1.3 UJ	1.2 U	1.6 U	1.2 U	1.6 U
2-Hexanone	6.6 UJ	6.2 U	8.2 U	6.4 U	8.4 U
Dibromochloromethane	1.2 UJ	1.1 U	1.5 U	1.1 U	1.5 U
1,2-Dibromoethane	1.2 UJ	1.1 U	1.4 U	1.1 U	1.5 U
Tetrachloroethene	0.63 UJ	0.59 U	0.77 U	0.61 U	0.79 U
Chlorobenzene	0.71 UJ	0.67 U	0.87 U	0.69 U	0.9 U
Ethyl Benzene	0.77 UJ	0.72 U	0.95 U	**1.6 J**	0.97 U
m/p-Xylenes	1.5 UJ	1.4 U	1.8 U	1.4 U	1.9 U
o-Xylene	0.99 UJ	0.93 U	1.2 U	0.96 U	1.3 U
Styrene	0.89 UJ	0.84 U	1.1 U	**1 J**	1.1 U
Bromoform	3 UJ	2.8 U	3.6 U	2.9 U	3.7 U
Isopropylbenzene	0.78 UJ	0.73 U	0.96 U	0.76 U	0.99 U
1,1,2,2-Tetrachloroethane	0.98 UJ	0.92 U	1.2 U	0.95 U	1.2 U
1,3-Dichlorobenzene	0.96 UJ	0.9 U	1.2 U	0.93 U	1.2 U
1,4-Dichlorobenzene	0.95 UJ	0.89 U	1.2 U	0.92 U	1.2 U
1,2-Dichlorobenzene	1.1 UJ	1.1 U	1.4 U	1.1 U	1.4 U
1,2-Dibromo-3-Chloropropane	3 UJ	2.8 U	3.7 U	2.9 U	3.8 U
1,2,4-Trichlorobenzene	1 UJ	0.94 U	1.2 U	0.97 U	1.3 U
1,2,3-Trichlorobenzene	1.1 UJ	1.1 UJ	1.4 UJ	1.1 UJ	1.4 UJ

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

[1]A field duplicate of P026-SS015-1824-01

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS016-0002-01	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01
Lab Sample ID	K2735-08	K2735-09	K2735-10	K2735-11	K2735-12
Sample weight (g)	5.89	6.5	5.87	5.8	6.3
Moisture (%)	19.9	14.3	17.6	13.4	14.9
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.96 U	0.82 U	0.94 UJ	0.9 UJ	0.85 UJ
Chloromethane	1.9 U	1.6 U	1.8 UJ	1.8 UJ	1.7 UJ
Vinyl Chloride	1.2 U	1 U	1.1 UJ	1.1 UJ	1 UJ
Bromomethane	0.4 UJ	0.34 UJ	0.39 UJ	0.38 UJ	0.35 UJ
Chloroethane	0.61 UJ	0.52 UJ	0.59 UJ	0.57 UJ	0.54 UJ
Trichlorofluoromethane	0.68 UJ	0.58 UJ	0.67 UJ	0.64 UJ	0.6 UJ
1,1,2-Trichlorotrifluoroethane	0.85 U	0.72 U	0.83 UJ	0.8 UJ	0.75 UJ
1,1-Dichloroethene	1.1 U	0.89 U	1 UJ	0.99 UJ	0.92 UJ
Acetone	**17.5 J**	6.9 UJ	7.9 UJ	7.6 UJ	7.2 UJ
Carbon Disulfide	1.1 U	0.96 U	1.1 UJ	1.1 UJ	1 UJ
Methyl tert-butyl Ether	1.5 U	1.3 U	1.4 UJ	1.4 UJ	1.3 UJ
Methyl Acetate	3 U	2.5 U	2.9 UJ	2.8 UJ	2.6 UJ
Methylene Chloride	5.5 U	4.7 U	5.4 UJ	5.2 UJ	4.8 UJ
trans-1,2-Dichloroethene	1.3 U	1.1 U	1.3 UJ	1.3 UJ	1.2 UJ
1,1-Dichloroethane	0.96 U	0.82 U	0.94 UJ	0.91 UJ	0.85 UJ
Cyclohexane	1.9 U	1.6 U	1.9 UJ	1.8 UJ	1.7 UJ
2-Butanone	7.1 U	6 U	6.9 UJ	6.6 UJ	6.2 UJ
Carbon Tetrachloride	0.87 UJ	0.74 UJ	0.85 UJ	0.82 UJ	0.77 UJ
cis-1,2-Dichloroethene	1 U	0.89 U	1 UJ	0.98 UJ	0.92 UJ
Bromochloromethane	1.3 UJ	1.1 UJ	1.2 UJ	1.2 UJ	1.1 UJ
Chloroform	0.91 U	0.77 U	0.89 UJ	0.86 UJ	0.81 UJ
1,1,1-Trichloroethane	1.1 U	0.95 U	1.1 UJ	1.1 UJ	0.99 UJ
Methylcyclohexane	1.2 U	1.1 U	1.2 UJ	1.2 UJ	1.1 UJ
Benzene	0.89 U	0.75 U	0.87 UJ	0.83 UJ	0.78 UJ
1,2-Dichloroethane	1.3 U	1.1 U	1.2 UJ	1.2 UJ	1.1 UJ
Trichloroethene	0.99 U	0.84 U	0.96 UJ	0.93 UJ	0.87 UJ
1,2-Dichloropropane	1.3 U	1.1 U	1.3 UJ	1.2 UJ	1.2 UJ
Bromodichloromethane	1.1 UJ	0.89 UJ	1 UJ	0.99 UJ	0.93 UJ
4-Methyl-2-Pentanone	5.9 U	5 U	5.8 UJ	5.6 UJ	5.2 UJ
Toluene	1 U	0.88 U	1 UJ	0.97 UJ	0.91 UJ
t-1,3-Dichloropropene	1.1 U	0.9 U	1 UJ	1 UJ	0.94 UJ
cis-1,3-Dichloropropene	1.1 U	0.96 U	1.1 UJ	1.1 UJ	1 UJ
1,1,2-Trichloroethane	1.5 U	1.3 U	1.5 UJ	1.4 UJ	1.3 UJ
2-Hexanone	7.8 U	6.6 U	7.6 UJ	7.3 UJ	6.9 UJ
Dibromochloromethane	1.4 U	1.2 U	1.4 UJ	1.3 UJ	1.2 UJ
1,2-Dibromoethane	1.4 U	1.2 U	1.3 UJ	1.3 UJ	1.2 UJ
Tetrachloroethene	0.74 U	0.62 U	0.72 UJ	0.69 UJ	0.65 UJ
Chlorobenzene	0.83 U	0.71 U	0.81 UJ	0.78 UJ	0.73 UJ
Ethyl Benzene	0.9 U	0.77 U	0.88 UJ	0.85 UJ	0.8 UJ
m/p-Xylenes	1.8 U	1.5 U	1.7 UJ	1.6 UJ	1.5 UJ
o-Xylene	1.2 U	0.98 U	1.1 UJ	1.1 UJ	1 UJ
Styrene	1.1 U	0.89 U	1 UJ	0.99 UJ	0.92 UJ
Bromoform	3.5 U	2.9 U	3.4 UJ	3.3 UJ	3.1 UJ
Isopropylbenzene	0.92 U	0.78 U	0.89 UJ	0.86 UJ	0.81 UJ
1,1,2,2-Tetrachloroethane	1.2 U	0.98 U	1.1 UJ	1.1 UJ	1 UJ
1,3-Dichlorobenzene	1.1 U	0.96 U	1.1 UJ	1.1 UJ	0.99 UJ
1,4-Dichlorobenzene	1.1 U	0.95 U	1.1 UJ	1.1 UJ	0.98 UJ
1,2-Dichlorobenzene	1.3 U	1.1 U	1.3 UJ	1.3 UJ	1.2 UJ
1,2-Dibromo-3-Chloropropane	3.5 U	3 U	3.4 UJ	3.3 UJ	3.1 UJ
1,2,4-Trichlorobenzene	1.2 U	1 U	1.1 UJ	1.1 UJ	1 UJ
1,2,3-Trichlorobenzene	1.3 UJ	1.1 UJ	1.3 UJ	1.3 UJ	1.2 UJ

U: Not detected at the indicated concentration.

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01RE	P026-SS017-1218-01RE	P026-SS017-1824-01
Lab Sample ID	K2735-13	K2735-14	K2735-15RE	K2735-16RE	K2735-17
Sample weight (g)	3.6	5.1	5.03	2.84	5.57
Moisture (%)	51.1	25.7	28.1	21.4	24.6
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	2.6 UJ	1.2 UJ	1.3 UJ	2 UJ	1.1 UJ
Chloromethane	5.1 UJ	2.4 UJ	2.5 UJ	4 UJ	2.1 UJ
Vinyl Chloride	3.2 UJ	1.5 UJ	1.5 UJ	2.5 UJ	1.3 UJ
Bromomethane	1.1 UJ	0.5 UJ	0.52 UJ	0.85 UJ	0.45 UJ
Chloroethane	1.6 UJ	0.76 UJ	0.8 UJ	1.3 UJ	0.68 UJ
Trichlorofluoromethane	1.8 UJ	0.85 UJ	0.89 UJ	1.4 UJ	0.77 UJ
1,1,2-Trichlorotrifluoroethane	2.3 UJ	1.1 UJ	1.1 UJ	1.8 UJ	0.95 UJ
1,1-Dichloroethene	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
Acetone	21.8 UJ	10.1 UJ	**45.5 J**	17.2 UJ	9.1 UJ
Carbon Disulfide	3 UJ	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
Methyl tert-butyl Ether	4 UJ	1.8 UJ	1.9 UJ	3.1 UJ	1.7 UJ
Methyl Acetate	8 UJ	3.7 UJ	3.9 UJ	6.3 UJ	3.3 UJ
Methylene Chloride	14.8 UJ	6.9 UJ	7.2 UJ	11.6 UJ	6.2 UJ
trans-1,2-Dichloroethene	3.6 UJ	1.7 UJ	1.7 UJ	2.8 UJ	1.5 UJ
1,1-Dichloroethane	2.6 UJ	1.2 UJ	1.3 UJ	2 UJ	1.1 UJ
Cyclohexane	5.1 UJ	2.4 UJ	2.5 UJ	4 UJ	2.1 UJ
2-Butanone	18.9 UJ	8.8 UJ	9.2 UJ	14.9 UJ	7.9 UJ
Carbon Tetrachloride	2.3 UJ	1.1 UJ	1.1 UJ	1.8 UJ	0.98 UJ
cis-1,2-Dichloroethene	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
Bromochloromethane	3.4 UJ	1.6 UJ	1.6 UJ	2.7 UJ	1.4 UJ
Chloroform	2.5 UJ	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
1,1,1-Trichloroethane	3 UJ	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
Methylcyclohexane	3.3 UJ	1.6 UJ	1.6 UJ	2.6 UJ	1.4 UJ
Benzene	2.4 UJ	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
1,2-Dichloroethane	3.4 UJ	1.6 UJ	1.7 UJ	2.7 UJ	1.4 UJ
Trichloroethene	2.6 UJ	1.2 UJ	1.3 UJ	2.1 UJ	1.1 UJ
1,2-Dichloropropane	3.5 UJ	1.6 UJ	1.7 UJ	2.8 UJ	1.5 UJ
Bromodichloromethane	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
4-Methyl-2-Pentanone	15.9 UJ	7.4 UJ	7.7 UJ	12.5 UJ	6.7 UJ
Toluene	2.8 UJ	1.3 UJ	1.3 UJ	2.2 UJ	1.2 UJ
t-1,3-Dichloropropene	2.9 UJ	1.3 UJ	1.4 UJ	2.3 UJ	1.2 UJ
cis-1,3-Dichloropropene	3 UJ	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,1,2-Trichloroethane	4 UJ	1.9 UJ	2 UJ	3.2 UJ	1.7 UJ
2-Hexanone	21 UJ	9.7 UJ	10.2 UJ	16.5 UJ	8.8 UJ
Dibromochloromethane	3.7 UJ	1.7 UJ	1.8 UJ	2.9 UJ	1.6 UJ
1,2-Dibromoethane	3.7 UJ	1.7 UJ	1.8 UJ	2.9 UJ	1.5 UJ
Tetrachloroethene	2 UJ	0.92 UJ	0.96 UJ	1.6 UJ	0.83 UJ
Chlorobenzene	2.2 UJ	1 UJ	1.1 UJ	1.8 UJ	0.94 UJ
Ethyl Benzene	2.4 UJ	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
m/p-Xylenes	4.7 UJ	2.2 UJ	2.3 UJ	3.7 UJ	2 UJ
o-Xylene	3.1 UJ	1.4 UJ	1.5 UJ	2.5 UJ	1.3 UJ
Styrene	2.8 UJ	1.3 UJ	1.4 UJ	2.2 UJ	1.2 UJ
Bromoform	9.3 UJ	4.3 UJ	4.5 UJ	7.3 UJ	3.9 UJ
Isopropylbenzene	R	1.1 UJ	1.2 UJ	1.9 UJ	1 UJ
1,1,2,2-Tetrachloroethane	R	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,3-Dichlorobenzene	R	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,4-Dichlorobenzene	R	1.4 UJ	1.5 UJ	2.4 UJ	1.3 UJ
1,2-Dichlorobenzene	R	1.7 UJ	1.8 UJ	2.8 UJ	1.5 UJ
1,2-Dibromo-3-Chloropropane	R	4.4 UJ	4.6 UJ	7.5 UJ	4 UJ
1,2,4-Trichlorobenzene	R	1.5 UJ	1.5 UJ	2.5 UJ	1.3 UJ
1,2,3-Trichlorobenzene	R	1.7 UJ	1.8 UJ	2.8 UJ	1.5 UJ

U: Not detected at the indicated concentration
J: Estimated result
RE: Reanalysis
µg/Kg = micrograms per kilogram
R: Rejected
Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Aqueous/Rinse Blank
Field Sample ID	RB-190507
Lab Sample ID	K2735-18
Dilution Factor	1
Volatile Organic Compounds (ug/L)	
Dichlorodifluoromethane	0.22 U
Chloromethane	0.3 U
Vinyl Chloride	0.16 U
Bromomethane	2.1 U
Chloroethane	0.34 U
Trichlorofluoromethane	0.16 U
1,1,2-Trichlorotrifluoroethane	0.21 U
1,1-Dichloroethene	0.18 U
Acetone	0.9 U
Carbon Disulfide	0.23 U
Methyl tert-butyl Ether	0.07 U
Methyl Acetate	0.65 U
Methylene Chloride	0.33 U
trans-1,2-Dichloroethene	0.24 U
1,1-Dichloroethane	0.17 U
Cyclohexane	1.2 U
2-Butanone	0.71 U
Carbon Tetrachloride	0.22 U
cis-1,2-Dichloroethene	0.3 U
Bromochloromethane	0.31 UJ
Chloroform	0.14 U
1,1,1-Trichloroethane	0.12 U
Methylcyclohexane	0.17 U
Benzene	0.1 U
1,2-Dichloroethane	0.13 U
Trichloroethene	0.27 U
1,2-Dichloropropane	0.14 U
Bromodichloromethane	0.1 U
4-Methyl-2-Pentanone	0.85 U
Toluene	0.12 U
t-1,3-Dichloropropene	0.19 U
cis-1,3-Dichloropropene	0.16 U
1,1,2-Trichloroethane	0.12 U
2-Hexanone	1.4 U
Dibromochloromethane	0.16 U
1,2-Dibromoethane	0.14 U
Tetrachloroethene	0.15 U
Chlorobenzene	0.08 U
Ethyl Benzene	0.08 U
m/p-Xylenes	0.2 U
o-Xylene	0.13 U
Styrene	0.11 U
Bromoform	0.15 U
Isopropylbenzene	0.13 U
1,1,2,2-Tetrachloroethane	0.15 U
1,3-Dichlorobenzene	0.14 U
1,4-Dichlorobenzene	0.2 U
1,2-Dichlorobenzene	0.12 U
1,2-Dibromo-3-Chloropropane	0.54 U
1,2,4-Trichlorobenzene	0.24 U
1,2,3-Trichlorobenzene	0.26 U

U: Not detected at the indicated concentration.

J: Estimated result

µg/L = micrograms per liter

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Cover Page

Order ID : K2735

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2735-01	P026-SS015-0206-01
K2735-02	P026-SS015-0612-01
K2735-03	P026-SS015-1218-01
K2735-04	P026-SS015-1824-01
K2735-05	K2735-04MS
K2735-06	K2735-04MSD
K2735-07	P026-SS015-1824-02
K2735-08	P026-SS016-0002-01
K2735-09	P026-SS016-0206-01
K2735-10	P026-SS016-0612-01
K2735-11	P026-SS016-1218-01
K2735-12	P026-SS016-1824-01
K2735-13	P026-SS017-0002-01
K2735-14	P026-SS017-0206-01
K2735-15	P026-SS017-0612-01
K2735-16	P026-SS017-1218-01
K2735-17	P026-SS017-1824-01
K2735-18	RB-190507

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Summary at 2:57 pm, May 15, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2735
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 05/08/2019.
1 Water sample was received on 05/08/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for;
P026-SS015-0206-01 [Toluene-d8 - 66%], P026-SS015-0206-01RE [Toluene-d8 - 66%], P026-SS016-0612-01 [Toluene-d8 - 61%], P026-SS016-1218-01 [Toluene-d8 - 58%], P026-SS016-1218-01RE [Toluene-d8 - 62%], P026-SS016-1824-01 [Toluene-d8 - 49%], P026-SS016-1824-01RE [1,2-Dichloroethane-d4 - 201%], P026-SS017-0002-01 [Toluene-d8 - 35%], P026-SS017-0206-01 [Toluene-d8 - 60%], P026-SS017-0206-01RE [Toluene-d8 - 62%], P026-SS017-0612-01 [Toluene-d8 - 35%], P026-SS017-0612-01RE [Toluene-d8 - 59%], P026-SS017-1218-01 [Toluene-d8 - 61%], P026-SS017-1218-01RE [Toluene-d8 - 57%], P026-SS017-1824-01 [Toluene-d8 - 55%] and P026-SS017-1824-01RE [1,2-Dichloroethane-d4 - 207%, Toluene-d8 - 58%].

The Internal Standards Areas met the acceptable requirements except for P026-SS016-0612-01, P026-SS016-1824-01RE, P026-SS017-0002-01, P026-SS017-0206-01, P026-SS017-0206-01RE, P026-SS017-0612-01, P026-SS017-1218-01, P026-SS017-1824-01 and P026-SS017-1824-01RE.

The Retention Times were acceptable for all samples.

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The MS {K2735-05MS} with File ID: VD062327.D recoveries met the requirements for all compounds except for 1,1,1-Trichloroethane[156%], 1,2-Dichloroethane[132%], Bromomethane[246%], Carbon Tetrachloride[143%], Chloroethane[160%], Chloroform[143%] and Methyl Acetate[267%] .

The MSD {K2735-06MSD} with File ID: VD062328.D recoveries met the acceptable requirements except for 1,1,1-Trichloroethane[146%], 1,2-Dichloroethane[135%], Bromodichloromethane[134%], Bromomethane[245%], Carbon Tetrachloride[144%], Chloroform[142%], Ethyl Benzene[136%], Isopropylbenzene[146%], Methyl Acetate[280%] and Trichlorofluoromethane[150%] .

The RPD for MS/MSD met the requirements.

The Blank Spike for {VD0513SBS02} with File ID: VD062322.D met requirements for all samples except for 1,1,1-Trichloroethane[128%], 1,2,3-Trichlorobenzene[135%], 1,2-Dichloroethane[127%], Bromodichloromethane[124%], Bromomethane[148%] and Methyl Acetate[151%] .

The Blank Spike for {VD0514SBS02} with File ID: VD062363.D met requirements for all samples except for 1,2-Dichloroethane[126%], Bromomethane[140%] .

VX0509WBS01 and VX0509WBSD01 met the requirements.

The RPD for VX0509WBSD01/VX0509WBSD01 met criteria except for Bromomethane[22%] .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate. This compound is passing on Linear regression.

The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82X042919W.M) for Bromochloromethane this compounds is passing on Linear regression.

The Continuous Calibration File ID VD062319.D met the requirements except for Bromomethane, Trichlorotrifluoroethane, ~~Carbon Tetrachloride~~, Bromochloromethane, ~~Bromochloromethane~~ and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.

The Continuous Calibration File ID VD062339.D met the requirements except for Bromomethane, Chloroethane, Acetone, Trichlorotrifluoroethane, Carbon Tetrachloride, Bromochloromethane, Bromodichloromethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.

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The Continuous Calibration File ID VD062361.D met the requirements except for Bromomethane, Chloroethane, Trichlorotrifluoroethane, Carbon Tetrachloride, Bromochloromethane,Chloroform, 1,1,1-Trichloroethane, 1,2-Dichloroethane, Bromodichloromethane, Dibromochloromethane, 1,2-Dichloroethane-d4 and 1,2,3 Trichlorobenzene. These compounds were not found in the samples and the associated samples are reanalysis for Internal Standard and surrogate failure.

The Tuning criteria met requirements.

Samples P026-SS016-0612-01and P026-SS017-0002-01 were analyzed using Vials A and B due to surrogate and internal standard failure. The analysis of Vial B did not purge well. There was no other vial for further reanalysis. The first analysis raw data is in the screening data section.

E. Additional Comments:
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Summary at 2:56 pm, May 15, 2019

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.1
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062323.D	1		05/14/19 01:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.82	U	0.82	4.5	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.5	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.5	ug/Kg
74-83-9	Bromomethane	0.34	UQ	0.34	4.5	ug/Kg
75-00-3	Chloroethane	0.52	U	0.52	4.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.58	U	0.58	4.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	4.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
67-64-1	Acetone	6.9	U	6.9	22.5	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.5	ug/Kg
79-20-9	Methyl Acetate	2.5	UQ	2.5	4.5	ug/Kg
75-09-2	Methylene Chloride	4.7	U	4.7	9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	4.5	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.5	ug/Kg
78-93-3	2-Butanone	6	U	6	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	4.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.5	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	UQ	0.95	4.5	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.5	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	UQ	1.1	4.5	ug/Kg
79-01-6	Trichloroethene	0.84	U	0.84	4.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.5	ug/Kg
75-27-4	Bromodichloromethane	0.89	UQ	0.89	4.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5	U	5	22.5	ug/Kg
108-88-3	Toluene	0.88	U	0.88	4.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.91	U	0.91	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.96	U	0.96	4.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.1
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062323.D	1		05/14/19 01:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.5	ug/Kg
591-78-6	2-Hexanone	6.6	U	6.6	22.5	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.5	ug/Kg
127-18-4	Tetrachloroethene	0.63	U	0.63	4.5	ug/Kg
108-90-7	Chlorobenzene	0.71	U	0.71	4.5	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	4.5	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9	ug/Kg
95-47-6	o-Xylene	0.99	U	0.99	4.5	ug/Kg
100-42-5	Styrene	0.89	U	0.89	4.5	ug/Kg
75-25-2	Bromoform	3	U	3	4.5	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	4.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.96	U	0.96	4.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	4.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	UJ	1.1	4.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		56 - 120	92%	SPK: 50
1868-53-7	Dibromofluoromethane	42.3		57 - 135	85%	SPK: 50
2037-26-5	Toluene-d8	33.1	*	67 - 123	66%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.5		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	606741	7.06			
540-36-3	1,4-Difluorobenzene	912410	8.23			
3114-55-4	Chlorobenzene-d5	644704	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	252059	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.1
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062323.D	1		05/14/19 01:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0206-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.1
Sample Wt/Vol:	6.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062355.D	1		05/14/19 19:15	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.76	U J	0.76	4.2	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.2	ug/Kg
75-01-4	Vinyl Chloride	0.93	U	0.93	4.2	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	4.2	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	4.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.54	U	0.54	4.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.67	U	0.67	4.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
67-64-1	Acetone	6.4	U	6.4	20.9	ug/Kg
75-15-0	Carbon Disulfide	0.9	U	0.9	4.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.2	ug/Kg
79-20-9	Methyl Acetate	2.3	U	2.3	4.2	ug/Kg
75-09-2	Methylene Chloride	4.3	U	4.3	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.2	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.2	ug/Kg
78-93-3	2-Butanone	5.6	U	5.6	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	4.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	4.2	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.2	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.2	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	4.2	ug/Kg
71-43-2	Benzene	0.7	U	0.7	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.2	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	1	U	1	4.2	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.7	U	4.7	20.9	ug/Kg
108-88-3	Toluene	0.82	U	0.82	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.84	U	0.84	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.89	U	0.89	4.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0206-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.1
Sample Wt/Vol:	6.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062355.D	1		05/14/19 19:15	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U J	1.2	4.2	ug/Kg
591-78-6	2-Hexanone	6.2	U	6.2	20.9	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.2	ug/Kg
127-18-4	Tetrachloroethene	0.58	U	0.58	4.2	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.2	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	4.2	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.4	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	4.2	ug/Kg
100-42-5	Styrene	0.83	U	0.83	4.2	ug/Kg
75-25-2	Bromoform	2.7	U	2.7	4.2	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	4.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	4.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	4.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.3		56 - 120	81%	SPK: 50
1868-53-7	Dibromofluoromethane	41		57 - 135	82%	SPK: 50
2037-26-5	Toluene-d8	33.2	*	67 - 123	66%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.8		33 - 141	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	817625	7.07			
540-36-3	1,4-Difluorobenzene	1107210	8.24			
3114-55-4	Chlorobenzene-d5	857813	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	444282	14.52			

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0206-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.1
Sample Wt/Vol:	6.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062355.D	1		05/14/19 19:15	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	6.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062324.D	1		05/14/19 01:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	4.2	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.2	ug/Kg
75-01-4	Vinyl Chloride	0.94	U	0.94	4.2	ug/Kg
74-83-9	Bromomethane	0.32	UQ J	0.32	4.2	ug/Kg
75-00-3	Chloroethane	0.49	U	0.49	4.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.55	U J	0.55	4.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.68	U	0.68	4.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.2	ug/Kg
67-64-1	Acetone	6.5	U	6.5	21.2	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.2	ug/Kg
79-20-9	Methyl Acetate	2.4	UQ	2.4	4.2	ug/Kg
75-09-2	Methylene Chloride	4.4	U	4.4	8.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	4.2	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.2	ug/Kg
78-93-3	2-Butanone	5.6	U	5.6	21.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.7	U	0.7	4.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
74-97-5	Bromochloromethane	1	U J	1	4.2	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.9	UQ	0.9	4.2	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.2	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	1	UQ	1	4.2	ug/Kg
79-01-6	Trichloroethene	0.79	U	0.79	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.2	ug/Kg
75-27-4	Bromodichloromethane	0.84	UQ	0.84	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.7	U	4.7	21.2	ug/Kg
108-88-3	Toluene	0.83	U	0.83	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.85	U	0.85	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.91	U	0.91	4.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	6.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062324.D	1		05/14/19 01:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.2	ug/Kg
591-78-6	2-Hexanone	6.2	U	6.2	21.2	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.2	ug/Kg
127-18-4	Tetrachloroethene	0.59	U	0.59	4.2	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	4.2	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	4.2	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.5	ug/Kg
95-47-6	o-Xylene	0.93	U	0.93	4.2	ug/Kg
100-42-5	Styrene	0.84	U	0.84	4.2	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.2	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.9	U	0.9	4.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.94	U	0.94	4.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	UJ	1.1	4.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	38.2		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.8		33 - 141	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	577506	7.07			
540-36-3	1,4-Difluorobenzene	852316	8.24			
3114-55-4	Chlorobenzene-d5	614983	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	256131	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	6.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062324.D	1		05/14/19 01:35	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.4
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062325.D	1		05/14/19 02:02	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.42	UQ J	0.42	5.5	ug/Kg
75-00-3	Chloroethane	0.64	U	0.64	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U J	0.72	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.5	U	8.5	27.7	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	UQ	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.8	U	5.8	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U J	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.96	U	0.96	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.93	U	0.93	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	UQ	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	UQ	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.7	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.4
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062325.D	1		05/14/19 02:02	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.2	U	8.2	27.7	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.5	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11.1	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.96	U	0.96	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U~~Ø~~ J	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	37.8		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.7		33 - 141	69%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	565740	7.07			
540-36-3	1,4-Difluorobenzene	807545	8.24			
3114-55-4	Chlorobenzene-d5	588674	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	242267	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.4
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062325.D	1		05/14/19 02:02	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062326.D	1		05/14/19 02:30	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.79	U	0.79	4.4	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.4	ug/Kg
75-01-4	Vinyl Chloride	0.97	U	0.97	4.4	ug/Kg
74-83-9	Bromomethane	0.33	UQ J	0.33	4.4	ug/Kg
75-00-3	Chloroethane	0.5	U	0.5	4.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U J	0.56	4.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.7	U	0.7	4.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	4.4	ug/Kg
67-64-1	Acetone	6.7	U	6.7	21.8	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	4.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.4	ug/Kg
79-20-9	Methyl Acetate	2.5	UQ	2.5	4.4	ug/Kg
75-09-2	Methylene Chloride	4.5	U	4.5	8.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.79	U	0.79	4.4	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.4	ug/Kg
78-93-3	2-Butanone	5.8	U	5.8	21.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	4.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.86	U	0.86	4.4	ug/Kg
74-97-5	Bromochloromethane	1	U J	1	4.4	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	UQ	0.92	4.4	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.4	ug/Kg
71-43-2	Benzene	0.73	U	0.73	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	1	UQ	1	4.4	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.4	ug/Kg
75-27-4	Bromodichloromethane	0.87	UQ	0.87	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.9	U	4.9	21.8	ug/Kg
108-88-3	Toluene	0.85	U	0.85	4.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.88	U	0.88	4.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.93	U	0.93	4.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062326.D	1		05/14/19 02:30	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.4	ug/Kg
591-78-6	2-Hexanone	6.4	U	6.4	21.8	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.4	ug/Kg
127-18-4	Tetrachloroethene	0.61	U	0.61	4.4	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	4.4	ug/Kg
100-41-4	Ethyl Benzene	1.6	~~J~~ J	0.75	4.4	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.7	ug/Kg
95-47-6	o-Xylene	0.96	U	0.96	4.4	ug/Kg
100-42-5	Styrene	1	J	0.87	4.4	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.4	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	4.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.93	U	0.93	4.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.92	U	0.92	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	2.9	4.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.97	U	0.97	4.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	~~UJ~~ J	1.1	4.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		56 - 120	108%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	36.1		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.2		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	558706	7.07			
540-36-3	1,4-Difluorobenzene	848507	8.24			
3114-55-4	Chlorobenzene-d5	609354	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	241460	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062326.D	1		05/14/19 02:30	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2735
Lab Sample ID:	K2735-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062329.D	1		05/14/19 03:53	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U~~Ø~~ J	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U J	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.8	U	8.8	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U~~Ø~~	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.7	ug/Kg
78-93-3	2-Butanone	7.6	U	7.6	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U J	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.98	U	0.98	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U~~Ø~~	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U~~Ø~~	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U~~Ø~~	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.5	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2735
Lab Sample ID:	K2735-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062329.D	1		05/14/19 03:53	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.4	U	8.4	28.5	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.4	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	UJ	1.4	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.8		56 - 120	88%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	35.1		67 - 123	70%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	715023	7.07			
540-36-3	1,4-Difluorobenzene	978344	8.24			
3114-55-4	Chlorobenzene-d5	713374	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	287859	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2735
Lab Sample ID:	K2735-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.5
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062329.D	1		05/14/19 03:53	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2735
Lab Sample ID:	K2735-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.9
Sample Wt/Vol:	5.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062356.D	1		05/14/19 19:42	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	5.3	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.3	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.3	ug/Kg
74-83-9	Bromomethane	0.4	U	0.4	5.3	ug/Kg
75-00-3	Chloroethane	0.61	U	0.61	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.68	U	0.68	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.3	ug/Kg
67-64-1	Acetone	17.5	J	8.1	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.3	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.3	ug/Kg
75-09-2	Methylene Chloride	5.5	U	5.5	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	0.96	U	0.96	5.3	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.3	ug/Kg
78-93-3	2-Butanone	7.1	U	7.1	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.3	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.3	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.3	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.3	ug/Kg
71-43-2	Benzene	0.89	U	0.89	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.3	ug/Kg
79-01-6	Trichloroethene	0.99	U	0.99	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.3	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.9	U	5.9	26.5	ug/Kg
108-88-3	Toluene	1	U	1	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2735
Lab Sample ID:	K2735-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.9
Sample Wt/Vol:	5.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062356.D	1		05/14/19 19:42	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.3	ug/Kg
591-78-6	2-Hexanone	7.8	U	7.8	26.5	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.3	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	5.3	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	5.3	ug/Kg
100-41-4	Ethyl Benzene	0.9	U	0.9	5.3	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.6	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.3	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.3	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.3	ug/Kg
98-82-8	Isopropylbenzene	0.92	U	0.92	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U J	1.3	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.3		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	42.6		57 - 135	85%	SPK: 50
2037-26-5	Toluene-d8	33.4		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.2		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	735553	7.06			
540-36-3	1,4-Difluorobenzene	931488	8.23			
3114-55-4	Chlorobenzene-d5	726337	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	324020	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2735
Lab Sample ID:	K2735-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.9
Sample Wt/Vol:	5.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062356.D	1		05/14/19 19:42	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.3
Sample Wt/Vol:	6.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062357.D	1		05/14/19 20:10	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.82	U	0.82	4.5	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.5	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.5	ug/Kg
74-83-9	Bromomethane	0.34	UJ	0.34	4.5	ug/Kg
75-00-3	Chloroethane	0.52	UJ	0.52	4.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.58	UJ	0.58	4.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	4.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
67-64-1	Acetone	6.9	UJ	6.9	22.4	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	2.5	4.5	ug/Kg
75-09-2	Methylene Chloride	4.7	U	4.7	9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	4.5	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.5	ug/Kg
78-93-3	2-Butanone	6	U	6	22.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	UJ	0.74	4.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
74-97-5	Bromochloromethane	1.1	UJ	1.1	4.5	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	4.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	4.5	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.5	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.5	ug/Kg
79-01-6	Trichloroethene	0.84	U	0.84	4.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.5	ug/Kg
75-27-4	Bromodichloromethane	0.89	UJ	0.89	4.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5	U	5	22.4	ug/Kg
108-88-3	Toluene	0.88	U	0.88	4.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.9	U	0.9	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.96	U	0.96	4.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.3
Sample Wt/Vol:	6.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062357.D	1		05/14/19 20:10	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.5	ug/Kg
591-78-6	2-Hexanone	6.6	U	6.6	22.4	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.5	ug/Kg
127-18-4	Tetrachloroethene	0.62	U	0.62	4.5	ug/Kg
108-90-7	Chlorobenzene	0.71	U	0.71	4.5	ug/Kg
100-41-4	Ethyl Benzene	0.77	U	0.77	4.5	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9	ug/Kg
95-47-6	o-Xylene	0.98	U	0.98	4.5	ug/Kg
100-42-5	Styrene	0.89	U	0.89	4.5	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.5	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	4.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.96	U	0.96	4.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	4.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U J	1.1	4.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		56 - 120	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	33.5		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	587339	7.06			
540-36-3	1,4-Difluorobenzene	752757	8.23			
3114-55-4	Chlorobenzene-d5	517646	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	228512	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.3
Sample Wt/Vol:	6.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062357.D	1		05/14/19 20:10	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062332.D	1		05/14/19 05:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	5.2	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.2	ug/Kg
74-83-9	Bromomethane	0.39	UQ	0.39	5.2	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.67	U	0.67	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.83	U	0.83	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	7.9	U	7.9	25.8	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.2	ug/Kg
79-20-9	Methyl Acetate	2.9	UQ	2.9	5.2	ug/Kg
75-09-2	Methylene Chloride	5.4	U	5.4	10.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.94	U	0.94	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	6.9	U	6.9	25.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.2	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UQ	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	UQ	1.2	5.2	ug/Kg
79-01-6	Trichloroethene	0.96	U	0.96	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	UQ	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.8	U	5.8	25.8	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062332.D	1		05/14/19 05:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.6	U	7.6	25.8	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	5.2	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.88	U	0.88	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.3	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.2	ug/Kg
100-42-5	Styrene	1	U	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.89	U	0.89	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UQ	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		56 - 120	102%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	30.4	*	67 - 123	61%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.5		33 - 141	59%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	545273	7.06			
540-36-3	1,4-Difluorobenzene	764399	8.24			
3114-55-4	Chlorobenzene-d5	503032	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	180873	14.52	< 50 %		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	17.6
Sample Wt/Vol:	5.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062332.D	1		05/14/19 05:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.4
Sample Wt/Vol:	5.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062333.D	1		05/14/19 05:44	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U	0.9	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.38	UØ	0.38	5	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.8	U	0.8	5	ug/Kg
75-35-4	1,1-Dichloroethene	0.99	U	0.99	5	ug/Kg
67-64-1	Acetone	7.6	U	7.6	24.9	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	UØ	2.8	5	ug/Kg
75-09-2	Methylene Chloride	5.2	U	5.2	10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.98	U	0.98	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UØ	1.1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	UØ	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.93	U	0.93	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	5	ug/Kg
75-27-4	Bromodichloromethane	0.99	UØ	0.99	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.6	U	5.6	24.9	ug/Kg
108-88-3	Toluene	0.97	U	0.97	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.4
Sample Wt/Vol:	5.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062333.D	1		05/14/19 05:44	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.9	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	5	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	5	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	5	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	10	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	0.99	U	0.99	5	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	UØ	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		56 - 120	90%	SPK: 50
1868-53-7	Dibromofluoromethane	40.7		57 - 135	81%	SPK: 50
2037-26-5	Toluene-d8	29.1	*	67 - 123	58%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.9		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	600047	7.06			
540-36-3	1,4-Difluorobenzene	836677	8.24			
3114-55-4	Chlorobenzene-d5	614277	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	251025	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.4
Sample Wt/Vol:	5.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062333.D	1		05/14/19 05:44	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1218-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.4
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062358.D	1		05/14/19 20:38	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	5.8	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.8	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.8	ug/Kg
74-83-9	Bromomethane	0.44	U	0.44	5.8	ug/Kg
75-00-3	Chloroethane	0.67	U	0.67	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.75	U	0.75	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.93	U	0.93	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	5.8	ug/Kg
67-64-1	Acetone	8.9	U	8.9	29	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.8	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	5.8	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	5.8	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.8	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	29	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.8	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.8	ug/Kg
67-66-3	Chloroform	1	U	1	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.8	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.8	ug/Kg
71-43-2	Benzene	0.97	U	0.97	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.8	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.8	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.5	U	6.5	29	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1218-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.4
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062358.D	1		05/14/19 20:38	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U J	1.7	5.8	ug/Kg
591-78-6	2-Hexanone	8.6	U	8.6	29	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.8	ug/Kg
127-18-4	Tetrachloroethene	0.81	U	0.81	5.8	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.8	ug/Kg
100-41-4	Ethyl Benzene	0.99	U	0.99	5.8	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.6	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.8	ug/Kg
100-42-5	Styrene	1.2	U	1.2	5.8	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.8	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	3.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	31.2	*	67 - 123	62%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.8		33 - 141	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	496621	7.07			
540-36-3	1,4-Difluorobenzene	637555	8.24			
3114-55-4	Chlorobenzene-d5	554514	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	269938	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1218-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.4
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062358.D	1		05/14/19 20:38	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	6.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062334.D	1		05/14/19 06:12	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.35	UQ	0.35	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.6	U	0.6	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	4.7	ug/Kg
67-64-1	Acetone	7.2	U	7.2	23.3	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	UQ	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	4.8	U	4.8	9.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.2	U	6.2	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.92	U	0.92	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	UQ	0.99	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.78	U	0.78	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	UQ	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	UQ	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.3	ug/Kg
108-88-3	Toluene	0.91	U	0.91	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	6.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062334.D	1		05/14/19 06:12	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.3	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	9.3	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.92	U	0.92	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.81	U	0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.98	U	0.98	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	UQ	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	36.5		57 - 135	73%	SPK: 50
2037-26-5	Toluene-d8	24.5	*	67 - 123	49%	SPK: 50
460-00-4	4-Bromofluorobenzene	25.3		33 - 141	51%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	527580	7.07			
540-36-3	1,4-Difluorobenzene	759143	8.24			
3114-55-4	Chlorobenzene-d5	531516	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	228802	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	6.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062334.D	1		05/14/19 06:12	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1824-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062359.D	1		05/14/19 21:05	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
67-64-1	Acetone	7.3	U	7.3	23.8	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U	0.87	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.8	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.8	U	0.8	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.8	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.94	U	0.94	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.8	ug/Kg
108-88-3	Toluene	0.93	U	0.93	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.96	U	0.96	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1824-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062359.D	1		05/14/19 21:05	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U J	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.8	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.8	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.8	ug/Kg
100-42-5	Styrene	0.94	U	0.94	4.8	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U J	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	100	*	56 - 120	201%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		57 - 135	115%	SPK: 50
2037-26-5	Toluene-d8	34.2		67 - 123	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		33 - 141	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158696	7.07			
540-36-3	1,4-Difluorobenzene	257084	8.24			
3114-55-4	Chlorobenzene-d5	232345	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	118504	14.53			

<50%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS016-1824-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062359.D	1		05/14/19 21:05	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2735
Lab Sample ID:	K2735-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	51.1
Sample Wt/Vol:	3.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062335.D	1		05/14/19 06:40	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.6	U	2.6	14.2	ug/Kg
74-87-3	Chloromethane	5.1	U	5.1	14.2	ug/Kg
75-01-4	Vinyl Chloride	3.2	U	3.2	14.2	ug/Kg
74-83-9	Bromomethane	1.1	UQ	1.1	14.2	ug/Kg
75-00-3	Chloroethane	1.6	U	1.6	14.2	ug/Kg
75-69-4	Trichlorofluoromethane	1.8	U	1.8	14.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.3	U	2.3	14.2	ug/Kg
75-35-4	1,1-Dichloroethene	2.8	U	2.8	14.2	ug/Kg
67-64-1	Acetone	21.8	U	21.8	71	ug/Kg
75-15-0	Carbon Disulfide	3	U	3	14.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4	U	4	14.2	ug/Kg
79-20-9	Methyl Acetate	8	UQ	8	14.2	ug/Kg
75-09-2	Methylene Chloride	14.8	U	14.8	28.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.6	U	3.6	14.2	ug/Kg
75-34-3	1,1-Dichloroethane	2.6	U	2.6	14.2	ug/Kg
110-82-7	Cyclohexane	5.1	U	5.1	14.2	ug/Kg
78-93-3	2-Butanone	18.9	U	18.9	71	ug/Kg
56-23-5	Carbon Tetrachloride	2.3	U	2.3	14.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.8	U	2.8	14.2	ug/Kg
74-97-5	Bromochloromethane	3.4	U	3.4	14.2	ug/Kg
67-66-3	Chloroform	2.5	U	2.5	14.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	UQ	3	14.2	ug/Kg
108-87-2	Methylcyclohexane	3.3	U	3.3	14.2	ug/Kg
71-43-2	Benzene	2.4	U	2.4	14.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	UQ	3.4	14.2	ug/Kg
79-01-6	Trichloroethene	2.6	U	2.6	14.2	ug/Kg
78-87-5	1,2-Dichloropropane	3.5	U	3.5	14.2	ug/Kg
75-27-4	Bromodichloromethane	2.8	UQ	2.8	14.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.9	U	15.9	71	ug/Kg
108-88-3	Toluene	2.8	U	2.8	14.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	2.9	14.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3	U	3	14.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2735
Lab Sample ID:	K2735-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	51.1
Sample Wt/Vol:	3.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062335.D	1		05/14/19 06:40	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	4	U J	4	14.2	ug/Kg
591-78-6	2-Hexanone	21	U	21	71	ug/Kg
124-48-1	Dibromochloromethane	3.7	U	3.7	14.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.7	U	3.7	14.2	ug/Kg
127-18-4	Tetrachloroethene	2	U	2	14.2	ug/Kg
108-90-7	Chlorobenzene	2.2	U	2.2	14.2	ug/Kg
100-41-4	Ethyl Benzene	2.4	U	2.4	14.2	ug/Kg
179601-23-1	m/p-Xylenes	4.7	U	4.7	28.4	ug/Kg
95-47-6	o-Xylene	3.1	U	3.1	14.2	ug/Kg
100-42-5	Styrene	2.8	U	2.8	14.2	ug/Kg
75-25-2	Bromoform	9.3	U	9.3	14.2	ug/Kg
98-82-8	Isopropylbenzene	2.5	U R	2.5	14.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	3.1	14.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	3	14.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	3	14.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.6	U	3.6	14.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	9.5	U	9.5	14.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.2	U	3.2	14.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.6	U Ø	3.6	14.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	17.5	*	67 - 123	35%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.7		33 - 141	43%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	431227	7.06			
540-36-3	1,4-Difluorobenzene	538537	8.24			
3114-55-4	Chlorobenzene-d5	240559	12.39	-<50%		
3855-82-1	1,4-Dichlorobenzene-d4	68611	14.53	-<20%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2735
Lab Sample ID:	K2735-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	51.1
Sample Wt/Vol:	3.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062335.D	1		05/14/19 06:40	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062336.D	1		05/14/19 07:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.6	ug/Kg
74-87-3	Chloromethane	2.4	U	2.4	6.6	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.6	ug/Kg
74-83-9	Bromomethane	0.5	UØ	0.5	6.6	ug/Kg
75-00-3	Chloroethane	0.76	U	0.76	6.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.85	U	0.85	6.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.6	ug/Kg
67-64-1	Acetone	10.1	U	10.1	33	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.6	ug/Kg
79-20-9	Methyl Acetate	3.7	UØ	3.7	6.6	ug/Kg
75-09-2	Methylene Chloride	6.9	U	6.9	13.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.6	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.6	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.6	ug/Kg
78-93-3	2-Butanone	8.8	U	8.8	33	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.6	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.6	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	UØ	1.4	6.6	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.6	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	UØ	1.6	6.6	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.6	ug/Kg
75-27-4	Bromodichloromethane	1.3	UØ	1.3	6.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.4	U	7.4	33	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062336.D	1		05/14/19 07:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U	1.9	6.6	ug/Kg
591-78-6	2-Hexanone	9.7	U	9.7	33	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.6	ug/Kg
127-18-4	Tetrachloroethene	0.92	U	0.92	6.6	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.6	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.6	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.2	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.6	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.6	ug/Kg
75-25-2	Bromoform	4.3	U	4.3	6.6	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	4.4	6.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	UQ	1.7	6.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		56 - 120	112%	SPK: 50
1868-53-7	Dibromofluoromethane	48		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	29.8	*	67 - 123	60%	SPK: 50
460-00-4	4-Bromofluorobenzene	29		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	489493	7.07			
540-36-3	1,4-Difluorobenzene	725249	8.24			
3114-55-4	Chlorobenzene-d5	453401	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	157309	14.52	<50%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2735
Lab Sample ID:	K2735-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062336.D	1		05/14/19 07:07	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0206-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062371.D	1		05/15/19 04:00	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U J	1.2	6.4	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.4	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.4	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	6.4	ug/Kg
75-00-3	Chloroethane	0.74	U	0.74	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
67-64-1	Acetone	9.9	U	9.9	32.2	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.4	ug/Kg
79-20-9	Methyl Acetate	3.6	U	3.6	6.4	ug/Kg
75-09-2	Methylene Chloride	6.7	U	6.7	12.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.4	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.4	ug/Kg
78-93-3	2-Butanone	8.6	U	8.6	32.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.4	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.4	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.4	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.4	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.4	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.2	U	7.2	32.2	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0206-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062371.D	1		05/15/19 04:00	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U J	1.8	6.4	ug/Kg
591-78-6	2-Hexanone	9.5	U	9.5	32.2	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.4	ug/Kg
127-18-4	Tetrachloroethene	0.9	U	0.9	6.4	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.4	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.4	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.9	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.4	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.4	ug/Kg
75-25-2	Bromoform	4.2	U	4.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.3	U	4.3	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		56 - 120	116%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	31.2	*	67 - 123	62%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.8		33 - 141	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	322716	7.07			
540-36-3	1,4-Difluorobenzene	434307	8.24			
3114-55-4	Chlorobenzene-d5	355350	12.4			
3855-82-1	1,4-Dichlorobenzene-d4	160419	14.54	< 50%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0206-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-14RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.7
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062371.D	1		05/15/19 04:00	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.1
Sample Wt/Vol:	4.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062337.D	1		05/14/19 09:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	1.5	8.5	ug/Kg
74-87-3	Chloromethane	3	U	3	8.5	ug/Kg
75-01-4	Vinyl Chloride	1.9	U	1.9	8.5	ug/Kg
74-83-9	Bromomethane	0.64	UØ	0.64	8.5	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	8.5	ug/Kg
75-69-4	Trichlorofluoromethane	1.1	U	1.1	8.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.4	U	1.4	8.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.7	U	1.7	8.5	ug/Kg
67-64-1	Acetone	13.1	U	13.1	42.5	ug/Kg
75-15-0	Carbon Disulfide	1.8	U	1.8	8.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.4	U	2.4	8.5	ug/Kg
79-20-9	Methyl Acetate	4.8	UØ	4.8	8.5	ug/Kg
75-09-2	Methylene Chloride	8.8	U	8.8	17	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.1	U	2.1	8.5	ug/Kg
75-34-3	1,1-Dichloroethane	1.5	U	1.5	8.5	ug/Kg
110-82-7	Cyclohexane	3.1	U	3.1	8.5	ug/Kg
78-93-3	2-Butanone	11.3	U	11.3	42.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.4	U	1.4	8.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.7	U	1.7	8.5	ug/Kg
74-97-5	Bromochloromethane	2	U	2	8.5	ug/Kg
67-66-3	Chloroform	1.5	U	1.5	8.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.8	UØ	1.8	8.5	ug/Kg
108-87-2	Methylcyclohexane	2	U	2	8.5	ug/Kg
71-43-2	Benzene	1.4	U	1.4	8.5	ug/Kg
107-06-2	1,2-Dichloroethane	2	UØ	2	8.5	ug/Kg
79-01-6	Trichloroethene	1.6	U	1.6	8.5	ug/Kg
78-87-5	1,2-Dichloropropane	2.1	U	2.1	8.5	ug/Kg
75-27-4	Bromodichloromethane	1.7	UØ	1.7	8.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.5	U	9.5	42.5	ug/Kg
108-88-3	Toluene	1.7	U	1.7	8.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.7	U	1.7	8.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.8	U	1.8	8.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.1
Sample Wt/Vol:	4.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062337.D	1		05/14/19 09:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.4	U J	2.4	8.5	ug/Kg
591-78-6	2-Hexanone	12.5	U	12.5	42.5	ug/Kg
124-48-1	Dibromochloromethane	2.2	U	2.2	8.5	ug/Kg
106-93-4	1,2-Dibromoethane	2.2	U	2.2	8.5	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	1.2	8.5	ug/Kg
108-90-7	Chlorobenzene	1.3	U	1.3	8.5	ug/Kg
100-41-4	Ethyl Benzene	1.5	U	1.5	8.5	ug/Kg
179601-23-1	m/p-Xylenes	2.8	U	2.8	17	ug/Kg
95-47-6	o-Xylene	1.9	U	1.9	8.5	ug/Kg
100-42-5	Styrene	1.7	U	1.7	8.5	ug/Kg
75-25-2	Bromoform	5.6	U	5.6	8.5	ug/Kg
98-82-8	Isopropylbenzene	1.5	U	1.5	8.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.8	U	1.8	8.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	8.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.8	U	1.8	8.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.2	U	2.2	8.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	5.7	8.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.9	U	1.9	8.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.2	UJ	2.2	8.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55		56 - 120	110%	SPK: 50
1868-53-7	Dibromofluoromethane	49		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	17.5	*	67 - 123	35%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7		33 - 141	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	596930	7.08			
540-36-3	1,4-Difluorobenzene	814969	8.25			
3114-55-4	Chlorobenzene-d5	369835	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	187189	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2735
Lab Sample ID:	K2735-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.1
Sample Wt/Vol:	4.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062337.D	1		05/14/19 09:16	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0612-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062372.D	1		05/15/19 04:28	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	6.9	ug/Kg
74-87-3	Chloromethane	2.5	U	2.5	6.9	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.9	ug/Kg
74-83-9	Bromomethane	0.52	U	0.52	6.9	ug/Kg
75-00-3	Chloroethane	0.8	U	0.8	6.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	6.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.9	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	6.9	ug/Kg
67-64-1	Acetone	45.5		10.6	34.6	ug/Kg
75-15-0	Carbon Disulfide	1.5	U	1.5	6.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.9	ug/Kg
79-20-9	Methyl Acetate	3.9	U	3.9	6.9	ug/Kg
75-09-2	Methylene Chloride	7.2	U	7.2	13.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	6.9	ug/Kg
110-82-7	Cyclohexane	2.5	U	2.5	6.9	ug/Kg
78-93-3	2-Butanone	9.2	U	9.2	34.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	6.9	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.9	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U	1.5	6.9	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.9	ug/Kg
71-43-2	Benzene	1.2	U	1.2	6.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	6.9	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	6.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	6.9	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	6.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.7	U	7.7	34.6	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	6.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.5	U	1.5	6.9	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0612-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062372.D	1		05/15/19 04:28	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2	U J	2	6.9	ug/Kg
591-78-6	2-Hexanone	10.2	U	10.2	34.6	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U	1.8	6.9	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	6.9	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.9	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	6.9	ug/Kg
179601-23-1	m/p-Xylenes	2.3	U	2.3	13.8	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.9	ug/Kg
100-42-5	Styrene	1.4	U	1.4	6.9	ug/Kg
75-25-2	Bromoform	4.5	U	4.5	6.9	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	6.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	6.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.8	U	1.8	6.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.6	U	4.6	6.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.8	U	1.8	6.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		56 - 120	115%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	29.6	*	67 - 123	59%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.4		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	448538	7.06			
540-36-3	1,4-Difluorobenzene	651878	8.23			
3114-55-4	Chlorobenzene-d5	491247	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	204101	14.52			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-0612-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-15RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	28.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 ul.
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062372.D	1		05/15/19 04:28	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062342.D	1		05/14/19 13:17	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	6	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	9.2	U	9.2	29.9	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.4	U	3.4	6	ug/Kg
75-09-2	Methylene Chloride	6.2	U	6.2	12	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6	ug/Kg
78-93-3	2-Butanone	8	U	8	29.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	6	ug/Kg
67-66-3	Chloroform	1	U	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	29.9	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062342.D	1		05/14/19 13:17	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U J	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	29.9	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	6	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	6	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	12	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	30.6	*	67 - 123	61%	SPK: 50
460-00-4	4-Bromofluorobenzene	26.5		33 - 141	53%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	640282	7.07			
540-36-3	1,4-Difluorobenzene	913574	8.24			
3114-55-4	Chlorobenzene-d5	501748	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	160139	14.53	< 50%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2735
Lab Sample ID:	K2735-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	5.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062342.D	1		05/14/19 13:17	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1218-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	2.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062373.D	1		05/15/19 04:55	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2	U	2	11.2	ug/Kg
74-87-3	Chloromethane	4	U	4	11.2	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	2.5	11.2	ug/Kg
74-83-9	Bromomethane	0.85	U	0.85	11.2	ug/Kg
75-00-3	Chloroethane	1.3	U	1.3	11.2	ug/Kg
75-69-4	Trichlorofluoromethane	1.4	U	1.4	11.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.8	U	1.8	11.2	ug/Kg
75-35-4	1,1-Dichloroethene	2.2	U	2.2	11.2	ug/Kg
67-64-1	Acetone	17.2	U	17.2	56	ug/Kg
75-15-0	Carbon Disulfide	2.4	U	2.4	11.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.1	U	3.1	11.2	ug/Kg
79-20-9	Methyl Acetate	6.3	U	6.3	11.2	ug/Kg
75-09-2	Methylene Chloride	11.6	U	11.6	22.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.8	U	2.8	11.2	ug/Kg
75-34-3	1,1-Dichloroethane	2	U	2	11.2	ug/Kg
110-82-7	Cyclohexane	4	U	4	11.2	ug/Kg
78-93-3	2-Butanone	14.9	U	14.9	56	ug/Kg
56-23-5	Carbon Tetrachloride	1.8	U	1.8	11.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.2	U	2.2	11.2	ug/Kg
74-97-5	Bromochloromethane	2.7	U	2.7	11.2	ug/Kg
67-66-3	Chloroform	1.9	U	1.9	11.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.4	U	2.4	11.2	ug/Kg
108-87-2	Methylcyclohexane	2.6	U	2.6	11.2	ug/Kg
71-43-2	Benzene	1.9	U	1.9	11.2	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	2.7	11.2	ug/Kg
79-01-6	Trichloroethene	2.1	U	2.1	11.2	ug/Kg
78-87-5	1,2-Dichloropropane	2.8	U	2.8	11.2	ug/Kg
75-27-4	Bromodichloromethane	2.2	U	2.2	11.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	12.5	56	ug/Kg
108-88-3	Toluene	2.2	U	2.2	11.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.3	U	2.3	11.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.4	U	2.4	11.2	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1218-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	2.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062373.D	1		05/15/19 04:55	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	3.2	U	3.2	11.2	ug/Kg
591-78-6	2-Hexanone	16.5	U	16.5	56	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	2.9	11.2	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	2.9	11.2	ug/Kg
127-18-4	Tetrachloroethene	1.6	U	1.6	11.2	ug/Kg
108-90-7	Chlorobenzene	1.8	U	1.8	11.2	ug/Kg
100-41-4	Ethyl Benzene	1.9	U	1.9	11.2	ug/Kg
179601-23-1	m/p-Xylenes	3.7	U	3.7	22.4	ug/Kg
95-47-6	o-Xylene	2.5	U	2.5	11.2	ug/Kg
100-42-5	Styrene	2.2	U	2.2	11.2	ug/Kg
75-25-2	Bromoform	7.3	U	7.3	11.2	ug/Kg
98-82-8	Isopropylbenzene	1.9	U	1.9	11.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U	2.4	11.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.4	U	2.4	11.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	2.4	11.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.8	U	2.8	11.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.5	U	7.5	11.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	2.5	11.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.8	U	2.8	11.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	28.4	*	67 - 123	57%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.1		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	525962	7.06			
540-36-3	1,4-Difluorobenzene	722157	8.23			
3114-55-4	Chlorobenzene-d5	535563	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	255602	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1218-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.4
Sample Wt/Vol:	2.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062373.D	1		05/15/19 04:55	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.6
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062343.D	1		05/14/19 13:45	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	U	0.45	6	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	9.1	U	9.1	29.8	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	6	ug/Kg
75-09-2	Methylene Chloride	6.2	U	6.2	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	6	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	6	ug/Kg
67-66-3	Chloroform	1	U	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	29.8	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.6
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062343.D	1		05/14/19 13:45	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U J	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	29.8	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	6	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	6	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	6	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.9	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	27.7	*	67 - 123	55%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.7		33 - 141	55%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	624916	7.07			
540-36-3	1,4-Difluorobenzene	896101	8.25			
3114-55-4	Chlorobenzene-d5	526660	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	199320	14.52	< 50%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2735
Lab Sample ID:	K2735-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.6
Sample Wt/Vol:	5.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062343.D	1		05/14/19 13:45	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1824-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.6
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062374.D	1		05/15/19 05:23	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U R	1.2	6.6	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.6	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.6	ug/Kg
74-83-9	Bromomethane	0.5	U	0.5	6.6	ug/Kg
75-00-3	Chloroethane	0.76	U	0.76	6.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.85	U	0.85	6.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.6	ug/Kg
67-64-1	Acetone	10.1	U	10.1	32.8	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.6	ug/Kg
79-20-9	Methyl Acetate	3.7	U	3.7	6.6	ug/Kg
75-09-2	Methylene Chloride	6.8	U	6.8	13.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.6	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.6	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.6	ug/Kg
78-93-3	2-Butanone	8.8	U	8.8	32.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.6	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.6	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.6	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.6	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U	1.6	6.6	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.6	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.3	U	7.3	32.8	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1824-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.6
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062374.D	1		05/15/19 05:23	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U R	1.9	6.6	ug/Kg
591-78-6	2-Hexanone	9.7	U	9.7	32.8	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.6	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	6.6	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.6	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.6	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.1	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.6	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.6	ug/Kg
75-25-2	Bromoform	4.3	U	4.3	6.6	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	4.4	6.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	100	*	56 - 120	207%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	28.8	*	67 - 123	58%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		33 - 141	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	33044	7.07			
540-36-3	1,4-Difluorobenzene	58798	8.24			
3114-55-4	Chlorobenzene-d5	45828	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	16840	14.53			

<20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P026-SS017-1824-01RE	SDG No.:	K2735
Lab Sample ID:	K2735-17RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	24.6
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062374.D	1		05/15/19 05:23	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	RB-190507	SDG No.:	K2735
Lab Sample ID:	K2735-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009421.D	1		05/09/19 12:41	VX050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5	ug/L
74-87-3	Chloromethane	0.3	U	0.3	5	ug/L
75-01-4	Vinyl Chloride	0.16	U	0.16	5	ug/L
74-83-9	Bromomethane	2.1	U	2.1	5	ug/L
75-00-3	Chloroethane	0.34	U	0.34	5	ug/L
75-69-4	Trichlorofluoromethane	0.16	U	0.16	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	U	0.21	5	ug/L
75-35-4	1,1-Dichloroethene	0.18	U	0.18	5	ug/L
67-64-1	Acetone	0.9	U	0.9	25	ug/L
75-15-0	Carbon Disulfide	0.23	U	0.23	5	ug/L
1634-04-4	Methyl tert-butyl Ether	0.07	U	0.07	5	ug/L
79-20-9	Methyl Acetate	0.65	U	0.65	5	ug/L
75-09-2	Methylene Chloride	0.33	U	0.33	5	ug/L
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	5	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	0.17	5	ug/L
110-82-7	Cyclohexane	1.2	U	1.2	5	ug/L
78-93-3	2-Butanone	0.71	U	0.71	25	ug/L
56-23-5	Carbon Tetrachloride	0.22	U	0.22	5	ug/L
156-59-2	cis-1,2-Dichloroethene	0.3	U	0.3	5	ug/L
74-97-5	Bromochloromethane	0.31	U J	0.31	5	ug/L
67-66-3	Chloroform	0.14	U	0.14	5	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	5	ug/L
108-87-2	Methylcyclohexane	0.17	U	0.17	5	ug/L
71-43-2	Benzene	0.1	U	0.1	5	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	0.13	5	ug/L
79-01-6	Trichloroethene	0.27	U	0.27	5	ug/L
78-87-5	1,2-Dichloropropane	0.14	U	0.14	5	ug/L
75-27-4	Bromodichloromethane	0.1	U	0.1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	0.85	U	0.85	25	ug/L
108-88-3	Toluene	0.12	U	0.12	5	ug/L
10061-02-6	t-1,3-Dichloropropene	0.19	U	0.19	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	RB-190507	SDG No.:	K2735
Lab Sample ID:	K2735-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009421.D	1		05/09/19 12:41	VX050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.12	U	0.12	5	ug/L
591-78-6	2-Hexanone	1.4	U	1.4	25	ug/L
124-48-1	Dibromochloromethane	0.16	U	0.16	5	ug/L
106-93-4	1,2-Dibromoethane	0.14	U	0.14	5	ug/L
127-18-4	Tetrachloroethene	0.15	U	0.15	5	ug/L
108-90-7	Chlorobenzene	0.08	U	0.08	5	ug/L
100-41-4	Ethyl Benzene	0.08	U	0.08	5	ug/L
179601-23-1	m/p-Xylenes	0.2	U	0.2	10	ug/L
95-47-6	o-Xylene	0.13	U	0.13	5	ug/L
100-42-5	Styrene	0.11	U	0.11	5	ug/L
75-25-2	Bromoform	0.15	U	0.15	5	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	0.15	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.14	U	0.14	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.12	U	0.12	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.54	U	0.54	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.26	U	0.26	5	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48		61 - 141	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		69 - 133	97%	SPK: 50
2037-26-5	Toluene-d8	48.9		65 - 126	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		58 - 135	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187225	5.66			
540-36-3	1,4-Difluorobenzene	299901	6.86			
3114-55-4	Chlorobenzene-d5	257176	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	109577	12.08			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	12.5	J		3.04	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	RB-190507	SDG No.:	K2735
Lab Sample ID:	K2735-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009421.D	1		05/09/19 12:41	VX050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2735	**OrderDate:**	5/8/2019 10:02:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2735-01	**P026-SS015-0206-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-01RE	**P026-SS015-0206-01RE**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-02	**P026-SS015-0612-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-03	**P026-SS015-1218-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-04	**P026-SS015-1824-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-07	**P026-SS015-1824-02**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-08	**P026-SS016-0002-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-09	**P026-SS016-0206-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2735-10	**P026-SS016-0612-01**	**SOIL**			**05/07/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	

LAB CHRONICLE

K2735-11	P026-SS016-1218-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-11RE	P026-SS016-1218-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-12	P026-SS016-1824-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-12RE	P026-SS016-1824-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-13	P026-SS017-0002-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-14	P026-SS017-0206-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-14RE	P026-SS017-0206-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/15/19	
K2735-15	P026-SS017-0612-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-15RE	P026-SS017-0612-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/15/19	
K2735-16	P026-SS017-1218-01	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2735-16RE	P026-SS017-1218-01RE	SOIL			05/07/19		05/08/19
			VOC-TCLVOA-10	8260C		05/15/19	
K2735-17	P026-SS017-1824-01	SOIL			05/07/19		05/08/19

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LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/14/19	
K2735-17RE	**P026-SS017-1824-01RE**	**SOIL**			**05/07/19**		**05/08/19**
			VOC-TCLVOA-10	8260C		05/15/19	
K2735-18	**RB-190507**	**Water**			**05/07/19**		**05/08/19**
			VOC-TCLVOA-10	8260C		05/09/19	

SHIPPING DOCUMENTS

K2735

5

5.1

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS015-0206-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:44	3	Encore	4 C	N
	P026-SS015-0206-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:44	1	4 oz glass w/ septum	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:51	3	Encore	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:51	1	4 oz glass w/ septum	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	09:58	3	Encore	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	09:58	1	4 oz glass w/ septum	4 C	N
	P026-SS015-1824-01	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	10:04	9	Encore	4 C	Y
	P026-SS015-1824-01	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:04	2	4 oz glass w/ septum	4 C	Y
	P026-SS015-1824-02	P026-SS015	Soil	TCL VOCs (Solid)	5/7/2019	10:04	3	Encore	4 C	N
	P026-SS015-1824-02	P026-SS015	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:04	1	4 oz glass w/ septum	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:13	3	Encore	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:13	1	4 oz glass w/ septum	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:25	3	Encore	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:25	1	4 oz glass w/ septum	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:33	3	Encore	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:33	1	4 oz glass w/ septum	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:41	3	Encore	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:41	1	4 oz glass w/ septum	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:50	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyses	[illegible]	5/7/2019 1630	[illegible]	5-8-19 0920	3.7°C / 4.6°C
					IR Gun #1

K2735

5

5.1

USEPA
DateShipped: 5/7/2019
CarrierName: FedEx
AirbillNo: 7751-5663-0090

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050719-0370-0083-0001
Cooler #: 2
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS016-1824-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:50	1	4 oz glass w/ septum	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL VOCs (Solid)	5/7/2019	10:56	3	Encore	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	10:56	1	4 oz glass w/ septum	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:08	3	Encore	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:08	1	4 oz glass w/ septum	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:12	3	Encore	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:12	1	4 oz glass w/ septum	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:16	3	Encore	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:16	1	4 oz glass w/ septum	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL VOCs (Solid)	5/7/2019	11:20	3	Encore	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/7/2019	11:20	1	4 oz glass w/ septum	4 C	N
	RB-190507	RB-190507	DI Water	TCL VOCs (Aq)	5/7/2019	15:45	2	40 mL VOA	4 C, HCl pH<2	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sampled All Analyses	Wojka CSTS	5/7/2019 1630		5-8-19 0920	3.7°C / 4.6°C
					IR GUN #1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) Gongs Nesnew		Log-in Date 5/8/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS015-0206-01	MA No. 0100105

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4 Airbill	Present
5 Airbill No.	775156630907
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	4.6 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/08/2019
12.Time Received	09:20

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS015-020E		K2735-01	Intact
2	P026-SS015-0617		K2735-02	Intact
3	P026-SS015-121E		K2735-03	Intact
4	P026-SS015-1824		K2735-04	Intact
5	K2735-04MS		K2735-05	Intact
6	K2735-04MSD		K2735-06	Intact
7	P026-SS015-1824		K2735-07	Intact
8	P026-SS016-0002		K2735-08	Intact
9	P026-SS016-020E		K2735-09	Intact
10	P026-SS016-0612		K2735-10	Intact
11	P026-SS016-121E		K2735-11	Intact
12	P026-SS016-1824		K2735-12	Intact
13	P026-SS017-0002		K2735-13	Intact
14	P026-SS017-020E		K2735-14	Intact
15	P026-SS017-0612		K2735-15	Intact
16	P026-SS017-121E		K2735-16	Intact
17	P026-SS017-1824		K2735-17	Intact
18	RB-190507		K2735-18	Intact
19				
20				
21				
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	Logbook No.
Date	Logbook Page No.

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2756

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: [signature] **Date:** 6/7/2019

On May 8, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL VOC analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.0 Degrees Celsius (^{o}C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2756				
P021-SS005-0002-01	K2756-01	Soil	TCL VOCs	5/08/2019
P021-SS005-0206-01	K2756-02	Soil	TCL VOCs	5/08/2019
P021-SS005-0612-01	K2756-03	Soil	TCL VOCs	5/08/2019
P021-SS005-1218-01	K2756-04	Soil	TCL VOCs	5/08/2019
P021-SS005-1824-01	K2756-05	Soil	TCL VOCs	5/08/2019
P021-SS006-0002-01	K2756-06	Soil	TCL VOCs	5/08/2019
P021-SS006-0206-01	K2756-07	Soil	TCL VOCs	5/08/2019
P021-SS006-0612-01	K2756-08	Soil	TCL VOCs	5/08/2019
P021-SS006-1218-01	K2756-09	Soil	TCL VOCs	5/08/2019
P021-SS006-1824-01	K2756-10	Soil	TCL VOCs	5/08/2019
P021-SS007-0002-01	K2756-11	Soil	TCL VOCs	5/08/2019
P021-SS007-0206-01	K2756-12	Soil	TCL VOCs	5/08/2019
P021-SS007-0612-01	K2756-13	Soil	TCL VOCs	5/08/2019
P021-SS007-1218-01	K2756-14	Soil	TCL VOCs	5/08/2019
P021-SS007-1824-01	K2756-15	Soil	TCL VOCs	5/08/2019
P021-SS008-0002-01	K2756-16	Soil	TCL VOCs	5/08/2019
P021-SS008-0206-01	K2756-17	Soil	TCL VOCs	5/08/2019
P021-SS008-0206-02[1]	K2756-20	Soil	TCL VOCs	5/08/2019
P021-SS008-0612-01	K2756-21	Soil	TCL VOCs	5/08/2019

[1] A field duplicate sample of P021-SS008-0206-01

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P021-SS008-0002-01RE:

UJ - all low-level non-detects.

J – Acetone

P021-SS008-0206-02:

UJ - all low-level non-detects.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

The MS/MSD analyses of sample P021-SS008-0206-01 yielded high MS and/or MSD recoveries for 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dibromoethane, 1,2-dichloroethane, 2-butanone 2-hexanone, 4-methyl-2-pentanone, acetone, bromochloromethane, bromodichloromethane, bromoform, bromomethane, chloroform, cis-1,3-dichloropropene, cyclohexane, dibromochloromethane, methyl acetate, methyl tert-butyl ether, methylcyclohexane, methylene chloride, and t-1,3-dichloropropene. Since the laboratory control sample analysis yielded acceptable recoveries, the non-compliant recoveries

listed above in MS/MSD may be due to matrix interference. These compounds were not detected in sample P021-SS008-0206-01, no action was required.

The relative percent differences (RPDs) of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,4-dichlorobenzene, 2-butanone, 2-hexanone, acetone, cyclohexane, methyl acetate, methylcyclohexane, trichlorofluoromethane, and vinyl chloride exceeded the acceptance criteria in the MS/MSD analyses of sample P021-SS008-0206-01. These compounds were not detected in sample P021-SS008-0206-01; no validation actions were taken.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20 for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r ≥ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 6, 2019 on instruments MSVOA.D and on May 7, 2019 on instrument MSVOA.F, the %RSD was greater than (>) 20 for methyl acetate. Since, methyl acetate was fit by linear regression in this initial calibration; no qualifier was applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for 1,2,3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P021-SS007-0002-01, P021-SS007-0206-01, P021-SS008-0206-02, P021-SS008-0612-01, P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-01RE; no action were required.

For the CCV analyzed on 5/13/2019 at 10:22 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, trichlorofluoromethane, carbon tetrachloride, bromochloromethane, chloroform, 1,1,1-trichloroethane, and 1,2-dichloroetahne. The non-detected results for these compounds were estimated (UJ) for samples P021-SS007-0002-01 and P021-SS007-0206-01.

For the CCV analyzed on 5/14/2019 at 11:14 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, acetone, trichlorotrifluoroethane, carbon tetrachloride, bromochloromethane, bromodichloromethane, and 1,2,3-trichlorobenzene. The non-detected results

for these compounds were estimated (UJ) for samples P021-SS008-0612-01. In sample P021-SS008-0206-02, all compounds were previously qualified due to non-compliance surrogate recoveries, therefore, no further action was required.

For the CCV analyzed on 5/14/2019 at 22:28 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, trichlorotrifluoroethane, carbon tetrachloride, bromochloromethane, bromodichloromethane, chloroform, 1,1,1-trichloroethane, 1,2-dichloroethane, dibromochloromethane, and 1,2,3-trichlorobenzene. The non-detected results for these compounds were rejected in samples P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-01RE due to low internal standard recoveries, therefore, no further action was required.

For the CCV analyzed on 5/12/2019 at 22:16 on instrument MSVOA_F, the %D was >20 for carbon tetrachloride. The non-detected result for carbon tetrachloride was estimated (UJ) for samples P021-SS005-0002-01, P021-SS005-0206-01, P021-SS005-0612-01, P021-SS005-1218-01, P021-SS005-1824-01, P021-SS006-0002-01, P021-SS006-0206-01, P021-SS006-0612-01, P021-SS006-1218-01, and P021-SS006-1824-01.

Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (less than [<] 20% or <50%) or surrogate recoveries were not further qualified due to CCV recoveries >20%.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but <50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

1,4-Dichlorobenzene-d4: P021-SS007-0002-01, P021-SS007-0206-01, and P021-SS008-0002-01

Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-01RE

Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-01RE

Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-01RE

Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-01RE

Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P021-SS008-0206-01MS, P021-SS008-0206-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Field duplicate pair P021-SS008-0206-01 and P021-SS008-0206-02 were submitted for soil samples. None of the target compounds were detected in sample or field duplicate, no qualification was required.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is

not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

Not Applicable

The laboratory reported below non-target VOC as TIC. The non-target VOC is not a project target analyte but was present in the sample and quantitated using the VOC calibration standard in the following samples:

Naphthalene: P021-SS005-0002-01, P021-SS007-0612-01, and P021-SS008-0206-02

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recoveries of bromomethane, trichlorofluoromethane, 1,2-dichloroethane, and bromodichloromethane exceeded the acceptance criteria in the laboratory control sample (LCS) associated with samples P021-SS007-0002-01 and P021-SS007-0206-01. The non-detected results for these compounds were not qualified.

The recoveries of bromomethane and 1,2-dichloroethane exceeded the acceptance criteria in the LCS associated with samples P021-SS007-0002-01RE, P021-SS007-0206-01RE, and P021-SS008-0002-1RE. The non-detected results for these compounds were not qualified. Also, laboratory failed to qualify these compounds with Q qualifier in Form Is. No actions were taken.

The recoveries of carbon tetrachloride and 1,1,1-trichloroethane exceeded the acceptance criteria in the LCS associated with samples P021-SS005-0002-01, P021-SS005-0206-01, P021-SS005-0612-01, P021-SS005-1218-01, P021-SS005-1824-01, P021-SS006-0002-01, P021-SS006-0206-01, P021-SS006-0612-01, P021-SS006-1218-01, and P021-SS006-1824-01. The non-detected results for these compounds were not qualified.

The recoveries of 1,1-dichloroethane, carbon tetrachloride, cis-1,2-dichloroethene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, styrene, and 1,2-dichlorobenzene exceeded the acceptance criteria in the LCS associated with samples P021-SS007-0612-01, P021-SS007-

1218-01, P021-SS007-1824-01, P021-SS008-0002-01, and P021-SS008-0206-01. The non-detected results for these compounds were not qualified.

Surrogate failed in sample P021-SS008-0206-02; and laboratory did not reanalyzed the sample. Laboratory indicated in case narrative that Vials A and B were analyzed originally for internal standard and surrogate, Vial B did not purge well, and there was no other vial left for further analysis, therefore Vial A run was reported as final analysis.. The vial B raw data is reported in miscellaneous as screening data.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

The majority of samples in this SDG were analyzed as low-level VOCs and/or reanalyzed at low-level to either confirm that poor surrogate and internal standard recoveries were due to matrix effect. Samples P021-SS007-0002-01, P021-SS007-0206-01, and P021-SS008-0002-01 were used for reporting purposes.

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01	P021-SS005-1218-01	P021-SS005-1824-01
Lab Sample ID	K2756-01	K2756-02	K2756-03	K2756-04	K2756-05
Sample weight (g)	5.63	5.82	6.57	6.52	5.92
Moisture (%)	23	16	9.6	8.4	5.6
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1 U	0.93 U	0.76 U	0.76 U	0.81 U
Chloromethane	2.1 U	1.8 U	1.5 U	1.5 U	1.6 U
Vinyl Chloride	1.3 U	1.1 U	0.94 U	0.93 U	0.99 U
Bromomethane	0.44 U	0.39 U	0.32 U	0.32 U	0.34 U
Chloroethane	0.66 U	0.59 U	0.48 U	0.48 U	0.51 U
Trichlorofluoromethane	0.74 U	0.66 U	0.54 U	0.54 U	0.58 U
1,1,2-Trichlorotrifluoroethane	0.92 U	0.82 U	0.67 U	0.67 U	0.72 U
1,1-Dichloroethene	1.1 U	1 U	0.83 U	0.83 U	0.89 U
Acetone	**120**	**29.3**	6.5 U	6.4 U	6.9 U
Carbon Disulfide	1.2 U	1.1 U	0.9 U	0.9 U	0.96 U
Methyl tert-butyl Ether	1.6 U	1.4 U	1.2 U	1.2 U	1.2 U
Methyl Acetate	3.2 U	2.9 U	2.4 U	2.4 U	2.5 U
Methylene Chloride	6 U	5.3 U	4.4 U	4.3 U	4.6 U
trans-1,2-Dichloroethene	1.5 U	1.3 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	1 U	0.93 U	0.77 U	0.76 U	0.81 U
Cyclohexane	2.1 U	1.8 U	1.5 U	1.5 U	1.6 U
2-Butanone	7.7 U	6.8 U	5.6 U	5.6 U	6 U
Carbon Tetrachloride	0.95 UJ	0.84 UJ	0.69 UJ	0.69 UJ	0.74 UJ
cis-1,2-Dichloroethene	1.1 U	1 U	0.83 U	0.83 U	0.88 U
Bromochloromethane	1.4 U	1.2 U	1 U	1 U	1.1 U
Chloroform	1 U	0.88 U	0.73 U	0.72 U	0.77 U
1,1,1-Trichloroethane	1.2 U	1.1 U	0.89 U	0.89 U	0.95 U
Methylcyclohexane	1.4 U	1.2 U	0.99 U	0.99 U	1.1 U
Benzene	0.97 U	0.86 U	0.71 U	0.7 U	0.75 U
1,2-Dichloroethane	1.4 U	1.2 U	1 U	1 U	1.1 U
Trichloroethene	1.1 U	0.95 U	0.78 U	0.78 U	0.83 U
1,2-Dichloropropane	1.4 U	1.3 U	1 U	1 U	1.1 U
Bromodichloromethane	1.1 U	1 U	0.84 U	0.83 U	0.89 U
4-Methyl-2-Pentanone	6.4 U	5.7 U	4.7 U	4.7 U	5 U
Toluene	1.1 U	1 U	0.82 U	0.82 U	0.87 U
t-1,3-Dichloropropene	1.2 U	1 U	0.85 U	0.84 U	0.9 U
cis-1,3-Dichloropropene	1.2 U	1.1 U	0.9 U	0.9 U	0.96 U
1,1,2-Trichloroethane	1.6 U	1.5 U	1.2 U	1.2 U	1.3 U
2-Hexanone	8.5 U	7.5 U	6.2 U	6.2 U	6.6 U
Dibromochloromethane	1.5 U	1.3 U	1.1 U	1.1 U	1.2 U
1,2-Dibromoethane	1.5 U	1.3 U	1.1 U	1.1 U	1.2 U
Tetrachloroethene	0.8 U	0.71 U	0.59 U	0.58 U	0.62 U
Chlorobenzene	0.91 U	0.81 U	0.66 U	0.66 U	0.7 U
Ethyl Benzene	0.98 U	0.87 U	0.72 U	0.71 U	0.76 U
m/p-Xylenes	1.9 U	1.7 U	1.4 U	1.4 U	1.5 U
o-Xylene	1.3 U	1.1 U	0.92 U	0.92 U	0.98 U
Styrene	1.1 U	1 U	0.83 U	0.83 U	0.89 U
Bromoform	3.8 U	3.4 U	2.8 U	2.7 U	2.9 U
Isopropylbenzene	1 U	0.89 U	0.73 U	0.72 U	0.77 U
1,1,2,2-Tetrachloroethane	1.3 U	1.1 U	0.91 U	0.91 U	0.97 U
1,3-Dichlorobenzene	1.2 U	1.1 U	0.9 U	0.89 U	0.95 U
1,4-Dichlorobenzene	1.2 U	1.1 U	0.89 U	0.88 U	0.94 U
1,2-Dichlorobenzene	1.5 U	1.3 U	1.1 U	1.1 U	1.1 U
1,2-Dibromo-3-Chloropropane	3.8 U	3.4 U	2.8 U	2.8 U	3 U
1,2,4-Trichlorobenzene	1.3 U	1.1 U	0.94 U	0.93 U	0.99 U
1,2,3-Trichlorobenzene	1.5 U	1.3 U	1.1 U	1.1 U	1.1 U

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01	P021-SS006-1218-01	P021-SS006-1824-01
Lab Sample ID	K2756-06	K2756-07	K2756-08	K2756-09	K2756-10
Sample weight (g)	5.47	5.38	6.09	7.02	6.4
Moisture (%)	25.6	15.7	7	8.2	6.8
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.1 U	1 U	0.8 U	0.7 U	0.76 U
Chloromethane	2.2 U	2 U	1.6 U	1.4 U	1.5 U
Vinyl Chloride	1.4 U	1.2 U	0.98 U	0.86 U	0.93 U
Bromomethane	0.46 U	0.42 U	0.33 U	0.29 U	0.32 U
Chloroethane	0.71 U	0.63 U	0.51 U	0.45 U	0.48 U
Trichlorofluoromethane	0.79 U	0.71 U	0.57 U	0.5 U	0.54 U
1,1,2-Trichlorotrifluoroethane	0.98 U	0.88 U	0.71 U	0.62 U	0.67 U
1,1-Dichloroethene	1.2 U	1.1 U	0.88 U	0.77 U	0.83 U
Acetone	**66.7**	8.5 U	6.8 U	6 U	6.4 U
Carbon Disulfide	1.3 U	1.2 U	0.95 U	0.83 U	0.9 U
Methyl tert-butyl Ether	1.7 U	1.5 U	1.2 U	1.1 U	1.2 U
Methyl Acetate	3.5 U	3.1 U	2.5 U	2.2 U	2.4 U
Methylene Chloride	6.4 U	5.7 U	4.6 U	4 U	4.4 U
trans-1,2-Dichloroethene	1.5 U	1.4 U	1.1 U	0.98 U	1.1 U
1,1-Dichloroethane	1.1 U	1 U	0.8 U	0.71 U	0.76 U
Cyclohexane	2.2 U	2 U	1.6 U	1.4 U	1.5 U
2-Butanone	8.2 U	7.4 U	5.9 U	5.2 U	5.6 U
Carbon Tetrachloride	1 UJ	0.91 UJ	0.73 UJ	0.64 UJ	0.69 UJ
cis-1,2-Dichloroethene	1.2 U	1.1 U	0.87 U	0.77 U	0.83 U
Bromochloromethane	1.5 U	1.3 U	1.1 U	0.93 U	1 U
Chloroform	1.1 U	0.95 U	0.76 U	0.67 U	0.72 U
1,1,1-Trichloroethane	1.3 U	1.2 U	0.93 U	0.82 U	0.89 U
Methylcyclohexane	1.4 U	1.3 U	1 U	0.92 U	0.99 U
Benzene	1 U	0.92 U	0.74 U	0.65 U	0.7 U
1,2-Dichloroethane	1.5 U	1.3 U	1.1 U	0.93 U	1 U
Trichloroethene	1.1 U	1 U	0.82 U	0.72 U	0.78 U
1,2-Dichloropropane	1.5 U	1.4 U	1.1 U	0.97 U	1 U
Bromodichloromethane	1.2 U	1.1 U	0.88 U	0.77 U	0.83 U
4-Methyl-2-Pentanone	6.9 U	6.2 U	4.9 U	4.3 U	4.7 U
Toluene	1.2 U	1.1 U	0.86 U	0.76 U	0.82 U
t-1,3-Dichloropropene	1.2 U	1.1 U	0.89 U	0.78 U	0.84 U
cis-1,3-Dichloropropene	1.3 U	1.2 U	0.95 U	0.83 U	0.9 U
1,1,2-Trichloroethane	1.7 U	1.6 U	1.3 U	1.1 U	1.2 U
2-Hexanone	9.1 U	8.1 U	6.5 U	5.7 U	6.2 U
Dibromochloromethane	1.6 U	1.4 U	1.2 U	1 U	1.1 U
1,2-Dibromoethane	1.6 U	1.4 U	1.1 U	1 U	1.1 U
Tetrachloroethene	0.85 U	0.77 U	0.61 U	0.54 U	0.58 U
Chlorobenzene	0.97 U	0.87 U	0.7 U	0.61 U	0.66 U
Ethyl Benzene	1 U	0.94 U	0.75 U	0.66 U	0.72 U
m/p-Xylenes	2 U	1.8 U	1.5 U	1.3 U	1.4 U
o-Xylene	1.3 U	1.2 U	0.97 U	0.85 U	0.92 U
Styrene	1.2 U	1.1 U	0.87 U	0.77 U	0.83 U
Bromoform	4 U	3.6 U	2.9 U	2.5 U	2.7 U
Isopropylbenzene	1.1 U	0.95 U	0.76 U	0.67 U	0.73 U
1,1,2,2-Tetrachloroethane	1.3 U	1.2 U	0.96 U	0.84 U	0.91 U
1,3-Dichlorobenzene	1.3 U	1.2 U	0.94 U	0.83 U	0.89 U
1,4-Dichlorobenzene	1.3 U	1.2 U	0.93 U	0.82 U	0.88 U
1,2-Dichlorobenzene	1.6 U	1.4 U	1.1 U	0.98 U	1.1 U
1,2-Dibromo-3-Chloropropane	4.1 U	3.7 U	2.9 U	2.6 U	2.8 U
1,2,4-Trichlorobenzene	1.4 U	1.2 U	0.98 U	0.86 U	0.93 U
1,2,3-Trichlorobenzene	1.6 U	1.4 U	1.1 U	0.99 U	1.1 U

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01	P021-SS007-1218-01	P021-SS007-1824-01
Lab Sample ID	K2756-11	K2756-12	K2756-13	K2756-14	K2756-15
Sample weight (g)	6.27	5.79	6.15	6.4	5.53
Moisture (%)	21.8	23.4	18	16.7	9.7
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	0.93 U	1 U	0.9 U	0.85 U	0.91 U
Chloromethane	1.8 U	2 U	1.8 U	1.7 U	1.8 U
Vinyl Chloride	1.1 U	1.3 U	1.1 U	1 U	1.1 U
Bromomethane	0.39 UJ	0.43 UJ	0.37 U	0.35 U	0.38 U
Chloroethane	0.59 UJ	0.65 UJ	0.57 U	0.54 U	0.58 U
Trichlorofluoromethane	0.66 UJ	0.73 UJ	0.64 U	0.61 U	0.65 U
1,1,2-Trichlorotrifluoroethane	0.82 U	0.9 U	0.79 U	0.75 U	0.8 U
1,1-Dichloroethene	1 U	1.1 U	0.98 U	0.93 U	0.99 U
Acetone	**23.5 J**	**17.9 J**	**40.9**	7.2 U	7.7 U
Carbon Disulfide	1.1 U	1.2 U	1.1 U	1 U	1.1 U
Methyl tert-butyl Ether	1.4 U	1.6 U	1.4 U	1.3 U	1.4 U
Methyl Acetate	2.9 U	3.2 U	2.8 U	2.6 U	2.8 U
Methylene Chloride	5.3 U	5.9 U	5.2 U	4.9 U	5.2 U
trans-1,2-Dichloroethene	1.3 U	1.4 U	1.2 U	1.2 U	1.3 U
1,1-Dichloroethane	0.93 U	1 U	0.9 U	0.85 U	0.91 U
Cyclohexane	1.8 U	2 U	1.8 U	1.7 U	1.8 U
2-Butanone	6.8 U	7.5 U	6.6 U	6.3 U	6.7 U
Carbon Tetrachloride	0.84 UJ	0.93 UJ	0.82 U	0.77 U	0.83 U
cis-1,2-Dichloroethene	1 U	1.1 U	0.98 U	0.92 U	0.99 U
Bromochloromethane	1.2 UJ	1.3 UJ	1.2 U	1.1 U	1.2 U
Chloroform	0.88 UJ	0.97 UJ	0.86 U	0.81 U	0.86 U
1,1,1-Trichloroethane	1.1 UJ	1.2 UJ	1 U	0.99 U	1.1 U
Methylcyclohexane	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U
Benzene	0.86 U	0.95 U	0.83 U	0.79 U	0.84 U
1,2-Dichloroethane	1.2 UJ	1.4 UJ	1.2 U	1.1 U	1.2 U
Trichloroethene	0.95 U	1.1 U	0.92 U	0.87 U	0.93 U
1,2-Dichloropropane	1.3 U	1.4 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	1 U	1.1 U	0.98 U	0.93 U	0.99 U
4-Methyl-2-Pentanone	5.7 U	6.3 U	5.5 U	5.2 U	5.6 U
Toluene	0.99 U	1.1 U	0.97 U	0.91 U	0.98 U
t-1,3-Dichloropropene	1 U	1.1 U	1 U	0.94 U	1 U
cis-1,3-Dichloropropene	1.1 U	1.2 U	1.1 U	1 U	1.1 U
1,1,2-Trichloroethane	1.5 U	1.6 U	1.4 U	1.3 U	1.4 U
2-Hexanone	7.5 U	8.3 U	7.3 U	6.9 U	7.4 U
Dibromochloromethane	1.3 U	1.5 U	1.3 U	1.2 U	1.3 U
1,2-Dibromoethane	1.3 U	1.5 U	1.3 U	1.2 U	1.3 U
Tetrachloroethene	0.71 U	0.78 U	0.69 U	0.65 U	0.7 U
Chlorobenzene	0.8 U	0.89 U	0.78 U	0.74 U	0.79 U
Ethyl Benzene	0.87 U	0.96 U	0.85 U	0.8 U	0.85 U
m/p-Xylenes	1.7 U	1.9 U	1.6 U	1.6 U	1.7 U
o-Xylene	1.1 U	1.2 U	1.1 U	1 U	1.1 U
Styrene	1 U	1.1 U	0.98 U	0.93 U	0.99 U
Bromoform	3.3 U	3.7 U	3.3 U	3.1 U	3.3 U
Isopropylbenzene	0.88 UJ	0.98 UJ	0.86 U	0.81 U	0.87 U
1,1,2,2-Tetrachloroethane	1.1 UJ	1.2 UJ	1.1 U	1 U	1.1 U
1,3-Dichlorobenzene	1.1 UJ	1.2 UJ	1.1 U	1 U	1.1 U
1,4-Dichlorobenzene	1.1 UJ	1.2 UJ	1 U	0.99 U	1.1 U
1,2-Dichlorobenzene	1.3 UJ	1.4 UJ	1.3 U	1.2 U	1.3 U
1,2-Dibromo-3-Chloropropane	3.4 UJ	3.8 UJ	3.3 U	3.1 U	3.3 U
1,2,4-Trichlorobenzene	1.1 UJ	1.3 UJ	1.1 U	1 U	1.1 U
1,2,3-Trichlorobenzene	1.3 UJ	1.4 UJ	1.3 U	1.2 U	1.3 U

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS008-0002-01	P021-SS008-0206-01	P021-SS008-0206-02[1]	P021-SS008-0612-01
Lab Sample ID	K2756-16	K2756-17	K2756-20	K2756-21
Sample weight (g)	5.3	6.45	5.09	5.99
Moisture (%)	26.7	18.5	14.5	13
Dilution Factor	1	1	1	1
Volatile Organic Compounds (ug/kg)				
Dichlorodifluoromethane	1.2 U	0.86 U	1 UJ	0.87 U
Chloromethane	2.3 U	1.7 U	2 UJ	1.7 U
Vinyl Chloride	1.4 U	1.1 U	1.3 UJ	1.1 U
Bromomethane	0.49 U	0.36 U	0.43 UJ	0.36 UJ
Chloroethane	0.74 U	0.55 U	0.66 UJ	0.55 UJ
Trichlorofluoromethane	0.83 U	0.61 U	0.74 UJ	0.62 UJ
1,1,2-Trichlorotrifluoroethane	1 U	0.76 U	0.92 UJ	0.77 U
1,1-Dichloroethene	1.3 U	0.94 U	1.1 UJ	0.95 U
Acetone	**350**	7.3 U	8.8 UJ	7.4 UJ
Carbon Disulfide	1.4 U	1 U	1.2 UJ	1 U
Methyl tert-butyl Ether	1.8 U	1.3 U	1.6 UJ	1.3 U
Methyl Acetate	3.6 U	2.7 U	3.2 UJ	2.7 U
Methylene Chloride	6.7 U	4.9 U	6 UJ	5 U
trans-1,2-Dichloroethene	1.6 U	1.2 U	1.4 UJ	1.2 U
1,1-Dichloroethane	1.2 U	0.87 U	1 UJ	0.87 U
Cyclohexane	2.3 U	1.7 U	2.1 UJ	1.7 U
2-Butanone	**22 J**	6.3 U	7.7 UJ	6.4 U
Carbon Tetrachloride	1.1 U	0.78 U	0.95 UJ	0.79 UJ
cis-1,2-Dichloroethene	1.3 U	0.94 U	1.1 UJ	0.95 U
Bromochloromethane	1.5 U	1.1 U	1.4 UJ	1.1 UJ
Chloroform	1.1 U	0.82 U	0.99 UJ	0.83 U
1,1,1-Trichloroethane	1.4 U	1 U	1.2 UJ	1 U
Methylcyclohexane	1.5 U	1.1 U	1.4 UJ	1.1 U
Benzene	1.1 U	0.8 U	0.96 UJ	0.8 U
1,2-Dichloroethane	1.5 U	1.1 U	1.4 UJ	1.2 U
Trichloroethene	1.2 U	0.89 U	1.1 UJ	0.89 U
1,2-Dichloropropane	1.6 U	1.2 U	1.4 UJ	1.2 U
Bromodichloromethane	1.3 U	0.94 U	1.1 UJ	0.95 UJ
4-Methyl-2-Pentanone	7.2 U	5.3 U	6.4 UJ	5.4 U
Toluene	1.3 U	0.93 U	1.1 UJ	0.94 U
t-1,3-Dichloropropene	1.3 U	0.96 U	1.2 UJ	0.97 U
cis-1,3-Dichloropropene	1.4 U	1 U	1.2 UJ	1 U
1,1,2-Trichloroethane	1.8 U	1.4 U	1.6 UJ	1.4 U
2-Hexanone	9.5 U	7 U	8.5 UJ	7.1 U
Dibromochloromethane	1.7 U	1.2 U	1.5 UJ	1.3 U
1,2-Dibromoethane	1.7 U	1.2 U	1.5 UJ	1.2 U
Tetrachloroethene	0.89 U	0.66 U	0.8 UJ	0.67 U
Chlorobenzene	1 U	0.75 U	0.9 UJ	0.76 U
Ethyl Benzene	3.6 J	0.81 U	0.98 UJ	0.82 U
m/p-Xylenes	2.1 U	1.6 U	1.9 UJ	1.6 U
o-Xylene	1.4 U	1 U	1.3 UJ	1.1 U
Styrene	1.3 U	0.94 U	1.1 UJ	1.5 J
Bromoform	4.2 U	3.1 U	3.8 UJ	3.1 U
Isopropylbenzene	1.1 UJ	0.82 U	0.99 UJ	0.83 U
1,1,2,2-Tetrachloroethane	1.4 UJ	1 U	1.2 UJ	1 U
1,3-Dichlorobenzene	1.4 UJ	1 U	1.2 UJ	1 U
1,4-Dichlorobenzene	1.4 UJ	1 U	1.2 UJ	1 U
1,2-Dichlorobenzene	1.6 UJ	1.2 U	1.5 UJ	1.2 U
1,2-Dibromo-3-Chloropropane	4.3 UJ	3.2 U	3.8 UJ	3.2 U
1,2,4-Trichlorobenzene	1.4 UJ	1.1 U	1.3 UJ	1.1 U
1,2,3-Trichlorobenzene	1.6 UJ	1.2 U	1.5 UJ	1.2 UJ

U: Not detected at the indicated concentration

J: Estimated result

µg/Kg = micrograms per kilogram

Bolded result - Detected Value

A field duplicate of P021-SS008-0206-01

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Cover Page

Order ID : K2756

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2756-01	P021-SS005-0002-01
K2756-02	P021-SS005-0206-01
K2756-03	P021-SS005-0612-01
K2756-04	P021-SS005-1218-01
K2756-05	P021-SS005-1824-01
K2756-06	P021-SS006-0002-01
K2756-07	P021-SS006-0206-01
K2756-08	P021-SS006-0612-01
K2756-09	P021-SS006-1218-01
K2756-10	P021-SS006-1824-01
K2756-11	P021-SS007-0002-01
K2756-12	P021-SS007-0206-01
K2756-13	P021-SS007-0612-01
K2756-14	P021-SS007-1218-01
K2756-15	P021-SS007-1824-01
K2756-16	P021-SS008-0002-01
K2756-17	P021-SS008-0206-01
K2756-18	K2756-17MS
K2756-19	K2756-17MSD
K2756-20	P021-SS008-0206-02
K2756-21	P021-SS008-0612-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED
Date: 5/16/2019
By Mildred V Reyes, QAQC Supervisor at 12:18 pm, May 16, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2756
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/08/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P021-SS007-0002-01RE [1,2-Dichloroethane-d4 - 234%],
P021-SS007-0206-01RE [1,2-Dichloroethane-d4 - 293%, Dibromofluoromethane - 138%],
P021-SS008-0002-01RE [1,2-Dichloroethane-d4 - 226%, Toluene-d8 - 56%],
P021-SS008-0206-01MS [1,2-Dichloroethane-d4 - 286%, 4-Bromofluorobenzene - 146%, Dibromofluoromethane - 172%],
P021-SS008-0206-01MSD [1,2-Dichloroethane-d4 - 199%] and
P021-SS008-0206-02 [Toluene-d8 - 65%].
Sample P021-SS007-0002-01, P021-SS007-0206-01, P021-SS008-0002-01 was received in encore. The original run was failing in internal standard there it was reanalyzed. The lab analyzed vial B as corrective action sample confirm failure No further analysis was performed due to the lack of additional encores for these samples.
As per method no corrective action required for failing MS/MSD in surrogate.. Sample P021-SS008-0206-02 was analyzed using Vials A and B due to surrogate and internal standard failure. The analysis of Vial B did not purge well. There was no other vial for further reanalysis. The first analysis raw data is in the screening data section.

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The Internal Standards Areas met the acceptable requirements except for P021-SS007-0002-01, P021-SS007-0002-01RE ,P021-SS007-0206-01, P021-SS007-0206-01RE , P021-SS008-0002-01, P021-SS008-0002-01RE, P021-SS008-0206-01MS and P021-SS008-0206-01MSD. All failing samples in internal standard were confirmed with re analyzed original sample.

The Retention Times were meeting for all samples.

The MS {K2756-18MS} with File ID: VD062368.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[260%], 1,1,2-Trichloroethane[220%], 1,2-Dibromo-3-Chloropropane[360%], 1,2-Dibromoethane[240%], 1,2-Dichloroethane[240%], 2-Butanone[440%], 2-Hexanone[360%], 4-Methyl-2-Pentanone[372%], Acetone[600%], Bromochloromethane[240%], Bromodichloromethane[177%], Bromoform[200%], Bromomethane[380%], Chloroform[156%], cis-1,3-Dichloropropene[138%], Dibromochloromethane[200%], Methyl Acetate[1700%], Methyl tert-butyl Ether[260%], Methylcyclohexane[41%], Methylene Chloride[147%] and t-1,3-Dichloropropene[186%]
.
The MSD {K2756-19MSD} with File ID: VD062369.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[234%], 1,1,2-Trichloroethane[214%], 1,2-Dibromo-3-Chloropropane[292%], 1,2-Dibromoethane[195%], 1,2-Dichloroethane[234%], 2-Butanone[335%], 2-Hexanone[292%], 4-Methyl-2-Pentanone[308%], Acetone[358%], Bromochloromethane[214%], Bromodichloromethane[154%], Bromoform[163%], Bromomethane[370%], Chloroform[145%], Cyclohexane[53%], Dibromochloromethane[170%], Methyl Acetate[1306%], Methyl tert-butyl Ether[214%], Methylcyclohexane[32%], Methylene Chloride[137%] and t-1,3-Dichloropropene[153%]
.
The RPD for {K2756-19MSD} with File ID: VD062369.D met criteria except for 1,2,3-Trichlorobenzene[22%], 1,2,4-Trichlorobenzene[22%], 1,2-Dibromo-3-Chloropropane[21%], 1,2-Dibromoethane[21%], 1,4-Dichlorobenzene[21%], 2-Butanone[27%], 2-Hexanone[21%], Acetone[51%], Cyclohexane[24%], Methyl Acetate[26%], Methylcyclohexane[25%], Trichlorofluoromethane[22%] and Vinyl chloride[21%] .Due to bad matrix the MS/MSD for above compounds are failing.
Lab analyzed this samples using Vials A and B due to surrogate and internal standard failure. The analysis of Vial A did not purge well. There was no other vial for further reanalysis.B vial data is reported as final run in the package. The first analysis raw data is in the screening data section.

The Blank Spike for {VD0513SBS01} with File ID: VD062297.D met requirements for all samples except for 1,2-Dichloroethane[132%], Bromodichloromethane[124%], Bromomethane[150%] and Trichlorofluoromethane[136%]

.The Blank Spike for {VD0514SBS02} with File ID: VD062363.D met requirements for all samples except for 1,2-Dichloroethane[126%], Bromomethane[140%] .

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The Blank Spike for {VF0512SBS02} with File ID: VF062518.D met requirements for all samples except for 1,1,1-Trichloroethane[129%], Carbon Tetrachloride[136%] .

The Blank Spike for {VF0513SBS02} with File ID: VF062563.D met requirements for all samples except for 1,1,1-Trichloroethane[128%], 1,1,2-Trichloroethane[128%], 1,1-Dichloroethane[131%], 1,2-Dichlorobenzene[123%], Carbon Tetrachloride[133%], Chlorobenzene [123%], cis-1,2-Dichloroethene[123%] and Styrene[123%] .All associate samples have no positive for these compounds except Styrene for sample P021-SS007-0612-01 and P021-SS008-0002-01.. The concentration is below CRQL for that compound in those samples,. therefore no corrective action was required.

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate is passing on linear regression.

The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82F050219S.M) for Bromomethane, Methyl Acetate and Carbon Tetrachloride these compounds are passing on linear regression. The Continuous Calibration File ID VD062295.D met the requirements except for 1,1,1-Trichloroethane,1,2-Dichloroethane, Bromochloromethane, Bromomethane, Carbon Tetrachloride, Chloroethane, Chloroform and Trichlorofluoromethane

.The Continuous Calibration File ID VD062339.D met the requirements except for 1,2,3-Trichlorobenzene,Acetone,Bromochloromethane,Bromodichloromethane,Bromomethane ,Carbon Tetrachloride, Chloroethane and Trichlorofluoromethane .

The Continuous Calibration File ID VD062361.D met the requirements except for 1,1,1-Trichloroethane,1,2,3-Trichlorobenzene,1,2-ichloroethane, Bromochloromethane, Bromodichloromethane, Bromomethane, Carbon Tetrachloride, Chloroethane, Chloroform, Dibromochloromethane, Trichlorofluoromethane and 1,2-Dichloroethane-d4

.The Continuous Calibration File ID VF062516.D met the requirements except for Carbon Tetrachloride. The associate samples have undetected results for all compounds. no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15/20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15/20% for the Initial Calibration curve for SW-846 analysis.

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Soil Calculation

Concentration in ug/Kg dry Weight basis) $\frac{(A_x)(I_s)(D_f)}{(Ais)\,(RRF)(Ws)(D)}$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in Nano grams (ng)
RRF = Relative response factor of the calibration standard.
Df = Dilution factor
Ws= Weight of sample

$D = \frac{100 - \%moisture}{100}$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:18 pm, May 16, 2019

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2756

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/16/2019

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:17 pm, May 16, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23
Sample Wt/Vol:	5.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062520.D	1		05/13/19 00:36	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.8	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	5.8	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.8	ug/Kg
74-83-9	Bromomethane	0.44	U	0.44	5.8	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.8	ug/Kg
67-64-1	Acetone	120		8.9	28.8	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.8	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.8	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.8	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.8	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	U	0.95	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.8	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.8	ug/Kg
67-66-3	Chloroform	1	U	1	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.8	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.8	ug/Kg
71-43-2	Benzene	0.97	U	0.97	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.8	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.8	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.8	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.8	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23
Sample Wt/Vol:	5.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062520.D	1		05/13/19 00:36	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.8	ug/Kg
591-78-6	2-Hexanone	8.5	U	8.5	28.8	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.8	ug/Kg
127-18-4	Tetrachloroethene	0.8	U	0.8	5.8	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.8	ug/Kg
100-41-4	Ethyl Benzene	0.98	U	0.98	5.8	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.8	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.8	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.8	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.6		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	41.6		57 - 135	83%	SPK: 50
2037-26-5	Toluene-d8	34.7		67 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.7		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	275906	5.07			
540-36-3	1,4-Difluorobenzene	380111	5.79			
3114-55-4	Chlorobenzene-d5	278653	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	124930	12.63			
TENTATIVE IDENTIFIED COMPOUNDS						
000111-84-2	Nonane	6.4	J N		10.03	ug/Kg
91-20-3	Naphthalene	2.9	J		14.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23
Sample Wt/Vol:	5.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	ul.	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062520.D	1		05/13/19 00:36	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062521.D	1		05/13/19 01:04	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	5.1	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.1	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.1	ug/Kg
74-83-9	Bromomethane	0.39	U	0.39	5.1	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	U	0.66	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.1	ug/Kg
67-64-1	Acetone	29.3		7.9	25.6	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.1	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.1	ug/Kg
75-09-2	Methylene Chloride	5.3	U	5.3	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.93	U	0.93	5.1	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5.1	ug/Kg
78-93-3	2-Butanone	6.8	U	6.8	25.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.1	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.1	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.1	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.1	ug/Kg
71-43-2	Benzene	0.86	U	0.86	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.1	ug/Kg
79-01-6	Trichloroethene	0.95	U	0.95	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.1	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.7	U	5.7	25.6	ug/Kg
108-88-3	Toluene	1	U	1	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.1	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062521.D	1		05/13/19 01:04	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.1	ug/Kg
591-78-6	2-Hexanone	7.5	U	7.5	25.6	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.1	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	5.1	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	5.1	ug/Kg
100-41-4	Ethyl Benzene	0.87	U	0.87	5.1	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.2	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.1	ug/Kg
100-42-5	Styrene	1	U	1	5.1	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.1	ug/Kg
98-82-8	Isopropylbenzene	0.89	U	0.89	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	43.9		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	37.6		67 - 123	75%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.8		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	292212	5.07			
540-36-3	1,4-Difluorobenzene	411430	5.79			
3114-55-4	Chlorobenzene-d5	322547	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	169119	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16
Sample Wt/Vol:	5.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062521.D	1		05/13/19 01:04	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.6
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062522.D	1		05/13/19 01:32	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.76	U	0.76	4.2	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.2	ug/Kg
75-01-4	Vinyl Chloride	0.94	U	0.94	4.2	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	4.2	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	4.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.54	U	0.54	4.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.67	U	0.67	4.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
67-64-1	Acetone	6.5	U	6.5	21	ug/Kg
75-15-0	Carbon Disulfide	0.9	U	0.9	4.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.2	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.2	ug/Kg
75-09-2	Methylene Chloride	4.4	U	4.4	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	4.2	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.2	ug/Kg
78-93-3	2-Butanone	5.6	U	5.6	21	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U~~Ø~~ J	0.69	4.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.2	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U~~Ø~~	0.89	4.2	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	4.2	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.2	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	1	U	1	4.2	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.7	U	4.7	21	ug/Kg
108-88-3	Toluene	0.82	U	0.82	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.85	U	0.85	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.9	U	0.9	4.2	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.6
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062522.D	1		05/13/19 01:32	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.2	ug/Kg
591-78-6	2-Hexanone	6.2	U	6.2	21	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.2	ug/Kg
127-18-4	Tetrachloroethene	0.59	U	0.59	4.2	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.2	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	4.2	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.4	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	4.2	ug/Kg
100-42-5	Styrene	0.83	U	0.83	4.2	ug/Kg
75-25-2	Bromoform	2.8	U	2.8	4.2	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.9	U	0.9	4.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.94	U	0.94	4.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.5		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	45		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	37.2		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.1		33 - 141	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	253298	5.08			
540-36-3	1,4-Difluorobenzene	343894	5.8			
3114-55-4	Chlorobenzene-d5	261148	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	149151	12.62			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.6
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062522.D	1		05/13/19 01:32	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.4
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062523.D	1		05/13/19 02:00	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.76	U	0.76	4.2	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.2	ug/Kg
75-01-4	Vinyl Chloride	0.93	U	0.93	4.2	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	4.2	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	4.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.54	U	0.54	4.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.67	U	0.67	4.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
67-64-1	Acetone	6.4	U	6.4	20.9	ug/Kg
75-15-0	Carbon Disulfide	0.9	U	0.9	4.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.2	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.2	ug/Kg
75-09-2	Methylene Chloride	4.3	U	4.3	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.2	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.2	ug/Kg
78-93-3	2-Butanone	5.6	U	5.6	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U~~J~~	0.69	4.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.2	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U~~J~~	0.89	4.2	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	4.2	ug/Kg
71-43-2	Benzene	0.7	U	0.7	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.2	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	1	U	1	4.2	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.7	U	4.7	20.9	ug/Kg
108-88-3	Toluene	0.82	U	0.82	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.84	U	0.84	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.9	U	0.9	4.2	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.4
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062523.D	1		05/13/19 02:00	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.2	ug/Kg
591-78-6	2-Hexanone	6.2	U	6.2	20.9	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.2	ug/Kg
127-18-4	Tetrachloroethene	0.58	U	0.58	4.2	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.2	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	4.2	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.4	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	4.2	ug/Kg
100-42-5	Styrene	0.83	U	0.83	4.2	ug/Kg
75-25-2	Bromoform	2.7	U	2.7	4.2	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	4.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	4.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	4.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.6		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	47		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	40.5		67 - 123	81%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.4		33 - 141	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301646	5.08			
540-36-3	1,4-Difluorobenzene	408531	5.8			
3114-55-4	Chlorobenzene-d5	346526	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	186536	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.4
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062523.D	1		05/13/19 02:00	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	5.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062524.D	1		05/13/19 02:28	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.81	U	0.81	4.5	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.5	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	4.5	ug/Kg
74-83-9	Bromomethane	0.34	U	0.34	4.5	ug/Kg
75-00-3	Chloroethane	0.51	U	0.51	4.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.58	U	0.58	4.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	4.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.5	ug/Kg
67-64-1	Acetone	6.9	U	6.9	22.4	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	2.5	4.5	ug/Kg
75-09-2	Methylene Chloride	4.6	U	4.6	8.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.5	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	4.5	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.5	ug/Kg
78-93-3	2-Butanone	6	U	6	22.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	UQ J	0.74	4.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.88	U	0.88	4.5	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.5	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	4.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	UQ	0.95	4.5	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.5	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.5	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	4.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.5	ug/Kg
75-27-4	Bromodichloromethane	0.89	U	0.89	4.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5	U	5	22.4	ug/Kg
108-88-3	Toluene	0.87	U	0.87	4.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.9	U	0.9	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.96	U	0.96	4.5	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	5.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062524.D	1		05/13/19 02:28	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.5	ug/Kg
591-78-6	2-Hexanone	6.6	U	6.6	22.4	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.5	ug/Kg
127-18-4	Tetrachloroethene	0.62	U	0.62	4.5	ug/Kg
108-90-7	Chlorobenzene	0.7	U	0.7	4.5	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	4.5	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	8.9	ug/Kg
95-47-6	o-Xylene	0.98	U	0.98	4.5	ug/Kg
100-42-5	Styrene	0.89	U	0.89	4.5	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.5	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	4.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.95	U	0.95	4.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	4.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	3	4.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.99	U	0.99	4.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.2		56 - 120	78%	SPK: 50
1868-53-7	Dibromofluoromethane	42.6		57 - 135	85%	SPK: 50
2037-26-5	Toluene-d8	38.2		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.5		33 - 141	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300401	5.08			
540-36-3	1,4-Difluorobenzene	406396	5.8			
3114-55-4	Chlorobenzene-d5	335206	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	189126	12.63			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	5.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062524.D	1		05/13/19 02:28	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.6
Sample Wt/Vol:	5.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062525.D	1		05/13/19 02:56	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	6.1	ug/Kg
74-87-3	Chloromethane	2.2	U	2.2	6.1	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.1	ug/Kg
74-83-9	Bromomethane	0.46	U	0.46	6.1	ug/Kg
75-00-3	Chloroethane	0.71	U	0.71	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6.1	ug/Kg
67-64-1	Acetone	66.7		9.4	30.7	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6.1	ug/Kg
79-20-9	Methyl Acetate	3.5	U	3.5	6.1	ug/Kg
75-09-2	Methylene Chloride	6.4	U	6.4	12.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6.1	ug/Kg
110-82-7	Cyclohexane	2.2	U	2.2	6.1	ug/Kg
78-93-3	2-Butanone	8.2	U	8.2	30.7	ug/Kg
56-23-5	Carbon Tetrachloride	1	U~~Ø~~ J	1	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U	1.2	6.1	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.1	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U~~Ø~~	1.3	6.1	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6.1	ug/Kg
71-43-2	Benzene	1	U	1	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.1	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6.1	ug/Kg
75-27-4	Bromodichloromethane	1.2	U	1.2	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.9	U	6.9	30.7	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.6
Sample Wt/Vol:	5.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062525.D	1		05/13/19 02:56	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	6.1	ug/Kg
591-78-6	2-Hexanone	9.1	U	9.1	30.7	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.6	U	1.6	6.1	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	6.1	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	6.1	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6.1	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	12.3	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6.1	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6.1	ug/Kg
75-25-2	Bromoform	4	U	4	6.1	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.1	U	4.1	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.9		56 - 120	88%	SPK: 50
1868-53-7	Dibromofluoromethane	51		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	39.5		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.7		33 - 141	69%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267803	5.07			
540-36-3	1,4-Difluorobenzene	327016	5.79			
3114-55-4	Chlorobenzene-d5	261579	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	123352	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	25.6
Sample Wt/Vol:	5.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062525.D	1		05/13/19 02:56	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062526.D	1		05/13/19 03:24	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.5	U	8.5	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U~~ϕ~~ J	0.91	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U~~ϕ~~	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.6	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062526.D	1		05/13/19 03:24	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.6	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.5	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.4		56 - 120	85%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	38.6		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	265494	5.07			
540-36-3	1,4-Difluorobenzene	366114	5.79			
3114-55-4	Chlorobenzene-d5	271084	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	139565	12.63			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.7
Sample Wt/Vol:	5.38 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062526.D	1		05/13/19 03:24	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062527.D	1		05/13/19 03:52	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.8	U	0.8	4.4	ug/Kg
74-87-3	Chloromethane	1.6	U	1.6	4.4	ug/Kg
75-01-4	Vinyl Chloride	0.98	U	0.98	4.4	ug/Kg
74-83-9	Bromomethane	0.33	U	0.33	4.4	ug/Kg
75-00-3	Chloroethane	0.51	U	0.51	4.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.57	U	0.57	4.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.71	U	0.71	4.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.88	U	0.88	4.4	ug/Kg
67-64-1	Acetone	6.8	U	6.8	22.1	ug/Kg
75-15-0	Carbon Disulfide	0.95	U	0.95	4.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.4	ug/Kg
79-20-9	Methyl Acetate	2.5	U	2.5	4.4	ug/Kg
75-09-2	Methylene Chloride	4.6	U	4.6	8.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.8	U	0.8	4.4	ug/Kg
110-82-7	Cyclohexane	1.6	U	1.6	4.4	ug/Kg
78-93-3	2-Butanone	5.9	U	5.9	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	~~U~~ J	0.73	4.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.87	U	0.87	4.4	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.4	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	~~U~~	0.93	4.4	ug/Kg
108-87-2	Methylcyclohexane	1	U	1	4.4	ug/Kg
71-43-2	Benzene	0.74	U	0.74	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.4	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.1	U	1.1	4.4	ug/Kg
75-27-4	Bromodichloromethane	0.88	U	0.88	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.9	U	4.9	22.1	ug/Kg
108-88-3	Toluene	0.86	U	0.86	4.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.89	U	0.89	4.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.95	U	0.95	4.4	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062527.D	1		05/13/19 03:52	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	U	1.3	4.4	ug/Kg
591-78-6	2-Hexanone	6.5	U	6.5	22.1	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.4	ug/Kg
127-18-4	Tetrachloroethene	0.61	U	0.61	4.4	ug/Kg
108-90-7	Chlorobenzene	0.7	U	0.7	4.4	ug/Kg
100-41-4	Ethyl Benzene	0.75	U	0.75	4.4	ug/Kg
179601-23-1	m/p-Xylenes	1.5	U	1.5	8.8	ug/Kg
95-47-6	o-Xylene	0.97	U	0.97	4.4	ug/Kg
100-42-5	Styrene	0.87	U	0.87	4.4	ug/Kg
75-25-2	Bromoform	2.9	U	2.9	4.4	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U	0.96	4.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.94	U	0.94	4.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	2.9	4.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.98	U	0.98	4.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.6		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	39.9		67 - 123	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.9		33 - 141	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	299692	5.07			
540-36-3	1,4-Difluorobenzene	395050	5.79			
3114-55-4	Chlorobenzene-d5	339358	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	188563	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062527.D	1		05/13/19 03:52	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.2
Sample Wt/Vol:	7.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062528.D	1		05/13/19 04:20	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.7	U	0.7	3.9	ug/Kg
74-87-3	Chloromethane	1.4	U	1.4	3.9	ug/Kg
75-01-4	Vinyl Chloride	0.86	U	0.86	3.9	ug/Kg
74-83-9	Bromomethane	0.29	U	0.29	3.9	ug/Kg
75-00-3	Chloroethane	0.45	U	0.45	3.9	ug/Kg
75-69-4	Trichlorofluoromethane	0.5	U	0.5	3.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.62	U	0.62	3.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	3.9	ug/Kg
67-64-1	Acetone	6	U	6	19.4	ug/Kg
75-15-0	Carbon Disulfide	0.83	U	0.83	3.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.1	U	1.1	3.9	ug/Kg
79-20-9	Methyl Acetate	2.2	U	2.2	3.9	ug/Kg
75-09-2	Methylene Chloride	4	U	4	7.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	3.9	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	3.9	ug/Kg
110-82-7	Cyclohexane	1.4	U	1.4	3.9	ug/Kg
78-93-3	2-Butanone	5.2	U	5.2	19.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.64	UQ J	0.64	3.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	3.9	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	3.9	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	3.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.82	UQ	0.82	3.9	ug/Kg
108-87-2	Methylcyclohexane	0.92	U	0.92	3.9	ug/Kg
71-43-2	Benzene	0.65	U	0.65	3.9	ug/Kg
107-06-2	1,2-Dichloroethane	0.93	U	0.93	3.9	ug/Kg
79-01-6	Trichloroethene	0.72	U	0.72	3.9	ug/Kg
78-87-5	1,2-Dichloropropane	0.97	U	0.97	3.9	ug/Kg
75-27-4	Bromodichloromethane	0.77	U	0.77	3.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.3	U	4.3	19.4	ug/Kg
108-88-3	Toluene	0.76	U	0.76	3.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.78	U	0.78	3.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	3.9	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.2
Sample Wt/Vol:	7.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062528.D	1		05/13/19 04:20	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.1	U	1.1	3.9	ug/Kg
591-78-6	2-Hexanone	5.7	U	5.7	19.4	ug/Kg
124-48-1	Dibromochloromethane	1	U	1	3.9	ug/Kg
106-93-4	1,2-Dibromoethane	1	U	1	3.9	ug/Kg
127-18-4	Tetrachloroethene	0.54	U	0.54	3.9	ug/Kg
108-90-7	Chlorobenzene	0.61	U	0.61	3.9	ug/Kg
100-41-4	Ethyl Benzene	0.66	U	0.66	3.9	ug/Kg
179601-23-1	m/p-Xylenes	1.3	U	1.3	7.8	ug/Kg
95-47-6	o-Xylene	0.85	U	0.85	3.9	ug/Kg
100-42-5	Styrene	0.77	U	0.77	3.9	ug/Kg
75-25-2	Bromoform	2.5	U	2.5	3.9	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	3.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.84	U	0.84	3.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.83	U	0.83	3.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.82	U	0.82	3.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.98	U	0.98	3.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.6	U	2.6	3.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.86	U	0.86	3.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.99	U	0.99	3.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	36.9		56 - 120	74%	SPK: 50
1868-53-7	Dibromofluoromethane	42		57 - 135	84%	SPK: 50
2037-26-5	Toluene-d8	34.3		67 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.2		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306463	5.08			
540-36-3	1,4-Difluorobenzene	407659	5.8			
3114-55-4	Chlorobenzene-d5	346848	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	189961	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-09	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.2
Sample Wt/Vol:	7.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062528.D	1		05/13/19 04:20	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062529.D	1		05/13/19 04:48	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.76	U	0.76	4.2	ug/Kg
74-87-3	Chloromethane	1.5	U	1.5	4.2	ug/Kg
75-01-4	Vinyl Chloride	0.93	U	0.93	4.2	ug/Kg
74-83-9	Bromomethane	0.32	U	0.32	4.2	ug/Kg
75-00-3	Chloroethane	0.48	U	0.48	4.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.54	U	0.54	4.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.67	U	0.67	4.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
67-64-1	Acetone	6.4	U	6.4	21	ug/Kg
75-15-0	Carbon Disulfide	0.9	U	0.9	4.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	1.2	4.2	ug/Kg
79-20-9	Methyl Acetate	2.4	U	2.4	4.2	ug/Kg
75-09-2	Methylene Chloride	4.4	U	4.4	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	4.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.2	ug/Kg
110-82-7	Cyclohexane	1.5	U	1.5	4.2	ug/Kg
78-93-3	2-Butanone	5.6	U	5.6	21	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U~~Ø~~ J	0.69	4.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	4.2	ug/Kg
74-97-5	Bromochloromethane	1	U	1	4.2	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U~~Ø~~	0.89	4.2	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	4.2	ug/Kg
71-43-2	Benzene	0.7	U	0.7	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	1	U	1	4.2	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	1	U	1	4.2	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.7	U	4.7	21	ug/Kg
108-88-3	Toluene	0.82	U	0.82	4.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.84	U	0.84	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.9	U	0.9	4.2	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062529.D	1		05/13/19 04:48	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.2	U	1.2	4.2	ug/Kg
591-78-6	2-Hexanone	6.2	U	6.2	21	ug/Kg
124-48-1	Dibromochloromethane	1.1	U	1.1	4.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.1	U	1.1	4.2	ug/Kg
127-18-4	Tetrachloroethene	0.58	U	0.58	4.2	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.2	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	4.2	ug/Kg
179601-23-1	m/p-Xylenes	1.4	U	1.4	8.4	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	4.2	ug/Kg
100-42-5	Styrene	0.83	U	0.83	4.2	ug/Kg
75-25-2	Bromoform	2.7	U	2.7	4.2	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.89	U	0.89	4.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	4.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	4.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	2.8	4.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	4.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	4.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.6		56 - 120	85%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	40.4		67 - 123	81%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.6		33 - 141	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286031	5.07			
540-36-3	1,4-Difluorobenzene	372744	5.79			
3114-55-4	Chlorobenzene-d5	303345	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	164425	12.62			

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	6.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062529.D	1		05/13/19 04:48	VF051219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.8
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062316.D	1		05/13/19 20:30	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	5.1	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.1	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.1	ug/Kg
74-83-9	Bromomethane	0.39	UØ H	0.39	5.1	ug/Kg
75-00-3	Chloroethane	0.59	U H	0.59	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	UØ H	0.66	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.1	ug/Kg
67-64-1	Acetone	23.5	J	7.8	25.5	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.1	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.1	ug/Kg
75-09-2	Methylene Chloride	5.3	U	5.3	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.93	U	0.93	5.1	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5.1	ug/Kg
78-93-3	2-Butanone	6.8	U	6.8	25.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U H	0.84	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.1	ug/Kg
74-97-5	Bromochloromethane	1.2	U H	1.2	5.1	ug/Kg
67-66-3	Chloroform	0.88	U H	0.88	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U H	1.1	5.1	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.1	ug/Kg
71-43-2	Benzene	0.86	U	0.86	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	UØ H	1.2	5.1	ug/Kg
79-01-6	Trichloroethene	0.95	U	0.95	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.1	ug/Kg
75-27-4	Bromodichloromethane	1	UØ	1	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.7	U	5.7	25.5	ug/Kg
108-88-3	Toluene	0.99	U	0.99	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.8
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062316.D	1		05/13/19 20:30	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U	1.5	5.1	ug/Kg
591-78-6	2-Hexanone	7.5	U	7.5	25.5	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.1	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	5.1	ug/Kg
108-90-7	Chlorobenzene	0.8	U	0.8	5.1	ug/Kg
100-41-4	Ethyl Benzene	0.87	U	0.87	5.1	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.2	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.1	ug/Kg
100-42-5	Styrene	1	U	1	5.1	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5.1	ug/Kg
98-82-8	Isopropylbenzene	0.88	U J	0.88	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	36.1		67 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	32		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	497548	7.06			
540-36-3	1,4-Difluorobenzene	692678	8.24			
3114-55-4	Chlorobenzene-d5	462653	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	169067	14.53	<50%		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.8
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062316.D	1		05/13/19 20:30	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0002-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.8
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use.

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062365.D	1		05/15/19 01:14	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U R	0.95	5.2	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.2	ug/Kg
74-83-9	Bromomethane	0.4	U	0.4	5.2	ug/Kg
75-00-3	Chloroethane	0.6	U	0.6	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.68	U	0.68	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	8.1	U	8.1	26.2	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.2	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.2	ug/Kg
75-09-2	Methylene Chloride	5.5	U	5.5	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.96	U	0.96	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	7	U	7	26.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	U	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.2	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.88	U	0.88	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.2	ug/Kg
79-01-6	Trichloroethene	0.98	U	0.98	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.9	U	5.9	26.2	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0002-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.8
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use.

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062365.D	1		05/15/19 01:14	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	U R	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.7	U	7.7	26.2	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	5.2	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.9	U	0.9	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.5	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.2	ug/Kg
100-42-5	Styrene	1	U	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.91	U	0.91	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	120	*	56 - 120	234%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		57 - 135	114%	SPK: 50
2037-26-5	Toluene-d8	33.3		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		33 - 141	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	46517	7.07			
540-36-3	1,4-Difluorobenzene	84001	8.23			
3114-55-4	Chlorobenzene-d5	75362	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	37373	14.52			

<20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0002-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-11RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	21.8
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062365.D	1		05/15/19 01:14	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.4
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062317.D	1		05/13/19 20:58	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.6	ug/Kg
74-87-3	Chloromethane	2	U	2	5.6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.6	ug/Kg
74-83-9	Bromomethane	0.43	U~~J~~	0.43	5.6	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U~~J~~	0.73	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.9	U	0.9	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
67-64-1	Acetone	17.9	J	8.7	28.2	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.6	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.6	ug/Kg
75-09-2	Methylene Chloride	5.9	U	5.9	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.6	ug/Kg
78-93-3	2-Butanone	7.5	U	7.5	28.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	U	0.93	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.6	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.6	ug/Kg
67-66-3	Chloroform	0.97	U	0.97	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.6	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.6	ug/Kg
71-43-2	Benzene	0.95	U	0.95	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U~~J~~	1.4	5.6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.6	ug/Kg
75-27-4	Bromodichloromethane	1.1	U~~J~~	1.1	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.3	U	6.3	28.2	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.4
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062317.D	1		05/13/19 20:58	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	5.6	ug/Kg
591-78-6	2-Hexanone	8.3	U	8.3	28.2	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.6	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	5.6	ug/Kg
108-90-7	Chlorobenzene	0.89	U	0.89	5.6	ug/Kg
100-41-4	Ethyl Benzene	0.96	U	0.96	5.6	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.3	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.6	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.6	ug/Kg
75-25-2	Bromoform	3.7	U	3.7	5.6	ug/Kg
98-82-8	Isopropylbenzene	0.98	U J	0.98	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	37.9		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.8		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	505394	7.06			
540-36-3	1,4-Difluorobenzene	647619	8.23			
3114-55-4	Chlorobenzene-d5	459400	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	180394	14.52	< 50 %		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.4
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062317.D	1		05/13/19 20:58	VD051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0206-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.4
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062366.D	1		05/15/19 01:42	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U R	1	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.42	U	0.42	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.5	U	8.5	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.4	U	7.4	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.2	U	6.2	27.6	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0206-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.4
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062366.D	1		05/15/19 01:42	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U K	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.6	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	5.5	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	11	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.7	U	3.7	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	150	*	56 - 120	293%	SPK: 50
1868-53-7	Dibromofluoromethane	68.9	*	57 - 135	138%	SPK: 50
2037-26-5	Toluene-d8	38.5		67 - 123	77%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		33 - 141	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	39743	7.06			
540-36-3	1,4-Difluorobenzene	69736	8.23			
3114-55-4	Chlorobenzene-d5	66447	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	30826	14.52			

<20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0206-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-12RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	23.4
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use.

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062366.D	1		05/15/19 01:42	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062565.D	1		05/14/19 03:35	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.9	U	0.9	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.37	U	0.37	5	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	5	ug/Kg
75-35-4	1,1-Dichloroethene	0.98	U	0.98	5	ug/Kg
67-64-1	Acetone	40.9		7.6	24.8	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5	ug/Kg
75-09-2	Methylene Chloride	5.2	U	5.2	9.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.9	U	0.9	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.6	U	6.6	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.98	U	0.98	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	5	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.5	U	5.5	24.8	ug/Kg
108-88-3	Toluene	0.97	U	0.97	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062565.D	1		05/14/19 03:35	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	UØ	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.3	U	7.3	24.8	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	5	ug/Kg
108-90-7	Chlorobenzene	0.78	UØ	0.78	5	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	5	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.9	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	0.98	UØ	0.98	5	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	UØ	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	37.9		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.2		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302658	5.08			
540-36-3	1,4-Difluorobenzene	403344	5.8			
3114-55-4	Chlorobenzene-d5	283628	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	125980	12.62			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	2.6	J		14.51	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-13	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062565.D	1		05/14/19 03:35	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062566.D	1		05/14/19 04:03	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1	U	1	4.7	ug/Kg
74-83-9	Bromomethane	0.35	U	0.35	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.75	U	0.75	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.7	ug/Kg
67-64-1	Acetone	7.2	U	7.2	23.4	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.6	U	2.6	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	UQ	0.85	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	UQ	0.77	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.92	UQ	0.92	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	UQ	0.99	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.2	U	5.2	23.4	ug/Kg
108-88-3	Toluene	0.91	U	0.91	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062566.D	1		05/14/19 04:03	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	UØ	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	6.9	U	6.9	23.4	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	UØ	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.8	U	0.8	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.4	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.93	UØ	0.93	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.81	U	0.81	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.99	U	0.99	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	UØ	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1	U	1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.3		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	38.8		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	30		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321702	5.08			
540-36-3	1,4-Difluorobenzene	420260	5.8			
3114-55-4	Chlorobenzene-d5	297746	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	137337	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2756
Lab Sample ID:	K2756-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.7
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062566.D	1		05/14/19 04:03	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.7
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062567.D	1		05/14/19 04:31	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	5	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5	ug/Kg
74-83-9	Bromomethane	0.38	U	0.38	5	ug/Kg
75-00-3	Chloroethane	0.58	U	0.58	5	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.8	U	0.8	5	ug/Kg
75-35-4	1,1-Dichloroethene	0.99	U	0.99	5	ug/Kg
67-64-1	Acetone	7.7	U	7.7	25	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5	ug/Kg
75-09-2	Methylene Chloride	5.2	U	5.2	10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	UØ	0.91	5	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5	ug/Kg
78-93-3	2-Butanone	6.7	U	6.7	25	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	UØ	0.83	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.99	UØ	0.99	5	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UØ	1.1	5	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5	ug/Kg
79-01-6	Trichloroethene	0.93	U	0.93	5	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	5	ug/Kg
75-27-4	Bromodichloromethane	0.99	U	0.99	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.6	U	5.6	25	ug/Kg
108-88-3	Toluene	0.98	U	0.98	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.7
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062567.D	1		05/14/19 04:31	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	UØ	1.4	5	ug/Kg
591-78-6	2-Hexanone	7.4	U	7.4	25	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5	ug/Kg
127-18-4	Tetrachloroethene	0.7	U	0.7	5	ug/Kg
108-90-7	Chlorobenzene	0.79	UØ	0.79	5	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	5	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5	ug/Kg
100-42-5	Styrene	0.99	UØ	0.99	5	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5	ug/Kg
98-82-8	Isopropylbenzene	0.87	U	0.87	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	UØ	1.3	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	U	3.3	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.5		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	42.8		57 - 135	86%	SPK: 50
2037-26-5	Toluene-d8	39.7		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.2		33 - 141	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302667	5.08			
540-36-3	1,4-Difluorobenzene	419386	5.8			
3114-55-4	Chlorobenzene-d5	338958	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	191958	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2756
Lab Sample ID:	K2756-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.7
Sample Wt/Vol:	5.53 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062567.D	1		05/14/19 04:31	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	26.7
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062568.D	1		05/14/19 04:59	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.4	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.4	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.4	ug/Kg
74-83-9	Bromomethane	0.49	U	0.49	6.4	ug/Kg
75-00-3	Chloroethane	0.74	U	0.74	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
67-64-1	Acetone	350		9.9	32.2	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.4	ug/Kg
79-20-9	Methyl Acetate	3.6	U	3.6	6.4	ug/Kg
75-09-2	Methylene Chloride	6.7	U	6.7	12.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	UØ	1.2	6.4	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.4	ug/Kg
78-93-3	2-Butanone	22	J	8.6	32.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	UØ	1.1	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	UØ	1.3	6.4	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.4	ug/Kg
67-66-3	Chloroform	1.1	U	1.1	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	UØ	1.4	6.4	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.4	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.4	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.4	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.2	U	7.2	32.2	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	26.7
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062568.D	1		05/14/19 04:59	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U~~Ø~~	1.8	6.4	ug/Kg
591-78-6	2-Hexanone	9.5	U	9.5	32.2	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.4	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	6.4	ug/Kg
108-90-7	Chlorobenzene	1	U~~Ø~~	1	6.4	ug/Kg
100-41-4	Ethyl Benzene	3.6	J	1.1	6.4	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.9	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.4	ug/Kg
100-42-5	Styrene	1.3	U~~Ø~~	1.3	6.4	ug/Kg
75-25-2	Bromoform	4.2	U	4.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U~~Ø~~	1.6	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.3	U	4.3	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	47		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	38.9		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.6		33 - 141	57%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	283812	5.08			
540-36-3	1,4-Difluorobenzene	359560	5.8			
3114-55-4	Chlorobenzene-d5	257519	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	97574	12.62	<50%		
TENTATIVE IDENTIFIED COMPOUNDS						
000079-92-5	Camphene	8.8	J N		11.32	ug/Kg
000127-91-3	beta.-Pinene	7.7	J N		11.76	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2756
Lab Sample ID:	K2756-16	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	26.7
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062568.D	1		05/14/19 04:59	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0002-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	26.7
Sample Wt/Vol:	5.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062367.D	1		05/15/19 02:09	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U R	1.2	6.7	ug/Kg
74-87-3	Chloromethane	2.4	U	2.4	6.7	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.7	ug/Kg
74-83-9	Bromomethane	0.5	U	0.5	6.7	ug/Kg
75-00-3	Chloroethane	0.77	U	0.77	6.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.86	U	0.86	6.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
67-64-1	Acetone	240	J+	10.2	33.4	ug/Kg
75-15-0	Carbon Disulfide	1.4	U R	1.4	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.7	ug/Kg
79-20-9	Methyl Acetate	3.8	U	3.8	6.7	ug/Kg
75-09-2	Methylene Chloride	6.9	U	6.9	13.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.7	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.7	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.7	ug/Kg
78-93-3	2-Butanone	8.9	U	8.9	33.4	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U	1.1	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.7	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	U	1.4	6.7	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.7	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U	1.6	6.7	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	6.7	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.5	U	7.5	33.4	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.7	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0002-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	26.7
Sample Wt/Vol:	5.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062367.D	1		05/15/19 02:09	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U R	1.9	6.7	ug/Kg
591-78-6	2-Hexanone	9.8	U	9.8	33.4	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.7	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	6.7	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	6.7	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.7	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.3	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.7	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.7	ug/Kg
75-25-2	Bromoform	4.4	U	4.4	6.7	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U	1.7	6.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.4	U	4.4	6.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110	*	56 - 120	226%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		57 - 135	111%	SPK: 50
2037-26-5	Toluene-d8	28.2	*	67 - 123	56%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.5		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	71311	7.06			
540-36-3	1,4-Difluorobenzene	124835	8.23			
3114-55-4	Chlorobenzene-d5	97899	12.37			
3855-82-1	1,4-Dichlorobenzene-d4	41150	14.52			

<20%

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0002-01RE	SDG No.:	K2756
Lab Sample ID:	K2756-16RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	26.7
Sample Wt/Vol:	5.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062367.D	1		05/15/19 02:09	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	6.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062569.D	1		05/14/19 05:27	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.8	ug/Kg
67-64-1	Acetone	7.3	U	7.3	23.8	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U~~Ø~~	0.87	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U~~Ø~~	0.78	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U~~Ø~~	0.94	4.8	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.8	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U~~Ø~~	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.8	U	0.8	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.8	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.94	U	0.94	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.8	ug/Kg
108-88-3	Toluene	0.93	U	0.93	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.96	U	0.96	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	6.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062569.D	1		05/14/19 05:27	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.8	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.8	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.8	ug/Kg
100-42-5	Styrene	0.94	U	0.94	4.8	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.9		56 - 120	76%	SPK: 50
1868-53-7	Dibromofluoromethane	41.7		57 - 135	83%	SPK: 50
2037-26-5	Toluene-d8	33.5		67 - 123	67%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.2		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	308415	5.07			
540-36-3	1,4-Difluorobenzene	409369	5.8			
3114-55-4	Chlorobenzene-d5	312259	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	155077	12.63			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2756
Lab Sample ID:	K2756-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	18.5
Sample Wt/Vol:	6.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062569.D	1		05/14/19 05:27	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2756
Lab Sample ID:	K2756-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.5
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062349.D	1		05/14/19 16:30	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	1	5.7	ug/Kg
74-87-3	Chloromethane	2	U	2	5.7	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	5.7	ug/Kg
74-83-9	Bromomethane	0.43	U	0.43	5.7	ug/Kg
75-00-3	Chloroethane	0.66	U	0.66	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
67-64-1	Acetone	8.8	U	8.8	28.7	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.6	U	1.6	5.7	ug/Kg
79-20-9	Methyl Acetate	3.2	U	3.2	5.7	ug/Kg
75-09-2	Methylene Chloride	6	U	6	11.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	1	U	1	5.7	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	5.7	ug/Kg
78-93-3	2-Butanone	7.7	U	7.7	28.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.95	U	0.95	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	5.7	ug/Kg
74-97-5	Bromochloromethane	1.4	U	1.4	5.7	ug/Kg
67-66-3	Chloroform	0.99	U	0.99	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	U	1.2	5.7	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	5.7	ug/Kg
71-43-2	Benzene	0.96	U	0.96	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	5.7	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.7	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.4	U	6.4	28.7	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2756
Lab Sample ID:	K2756-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.5
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062349.D	1		05/14/19 16:30	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	U J	1.6	5.7	ug/Kg
591-78-6	2-Hexanone	8.5	U	8.5	28.7	ug/Kg
124-48-1	Dibromochloromethane	1.5	U	1.5	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	5.7	ug/Kg
127-18-4	Tetrachloroethene	0.8	U	0.8	5.7	ug/Kg
108-90-7	Chlorobenzene	0.9	U	0.9	5.7	ug/Kg
100-41-4	Ethyl Benzene	0.98	U	0.98	5.7	ug/Kg
179601-23-1	m/p-Xylenes	1.9	U	1.9	11.5	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	5.7	ug/Kg
100-42-5	Styrene	1.1	U	1.1	5.7	ug/Kg
75-25-2	Bromoform	3.8	U	3.8	5.7	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	3.8	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U	1.5	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46		56 - 120	92%	SPK: 50
1868-53-7	Dibromofluoromethane	42		57 - 135	84%	SPK: 50
2037-26-5	Toluene-d8	32.5	*	67 - 123	65%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.3		33 - 141	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	522635	7.07			
540-36-3	1,4-Difluorobenzene	718197	8.24			
3114-55-4	Chlorobenzene-d5	637801	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	299900	14.53			
TENTATIVE IDENTIFIED COMPOUNDS						
001120-21-4	Undecane	12.7	J N		14.89	ug/Kg
91-20-3	Naphthalene	5.7	J		16.13	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2756
Lab Sample ID:	K2756-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.5
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062349.D	1		05/14/19 16:30	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062350.D	1		05/14/19 16:57	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	4.8	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.8	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.8	ug/Kg
74-83-9	Bromomethane	0.36	U J	0.36	4.8	ug/Kg
75-00-3	Chloroethane	0.55	U J	0.55	4.8	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U J	0.62	4.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	4.8	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.8	ug/Kg
67-64-1	Acetone	7.4	U J	7.4	24	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.8	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.8	ug/Kg
75-09-2	Methylene Chloride	5	U	5	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.8	ug/Kg
75-34-3	1,1-Dichloroethane	0.87	U	0.87	4.8	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.8	ug/Kg
78-93-3	2-Butanone	6.4	U	6.4	24	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U J	0.79	4.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	4.8	ug/Kg
74-97-5	Bromochloromethane	1.1	U J	1.1	4.8	ug/Kg
67-66-3	Chloroform	0.83	U	0.83	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	U	1	4.8	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.8	ug/Kg
71-43-2	Benzene	0.8	U	0.8	4.8	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	4.8	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	4.8	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.8	ug/Kg
75-27-4	Bromodichloromethane	0.95	U J	0.95	4.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.4	U	5.4	24	ug/Kg
108-88-3	Toluene	0.94	U	0.94	4.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.97	U	0.97	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.8	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062350.D	1		05/14/19 16:57	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	4.8	ug/Kg
591-78-6	2-Hexanone	7.1	U	7.1	24	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	4.8	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.8	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	4.8	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.8	ug/Kg
100-41-4	Ethyl Benzene	0.82	U	0.82	4.8	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.6	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	4.8	ug/Kg
100-42-5	Styrene	1.5	J	0.95	4.8	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.8	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	U	1.2	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	3.2	4.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U J	1.2	4.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	38.8		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		33 - 141	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	800375	7.08			
540-36-3	1,4-Difluorobenzene	1149730	8.24			
3114-55-4	Chlorobenzene-d5	860109	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	435809	14.53			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2756
Lab Sample ID:	K2756-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062350.D	1		05/14/19 16:57	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2756	**OrderDate:**	5/9/2019 8:38:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2756-01	**P021-SS005-0002-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-02	**P021-SS005-0206-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-03	**P021-SS005-0612-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-04	**P021-SS005-1218-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-05	**P021-SS005-1824-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-06	**P021-SS006-0002-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-07	**P021-SS006-0206-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-08	**P021-SS006-0612-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	
K2756-09	**P021-SS006-1218-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/13/19	

LAB CHRONICLE

K2756-10	P021-SS006-1824-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2756-11	P021-SS007-0002-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2756-11RE	P021-SS007-0002-01RE	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/15/19	
K2756-12	P021-SS007-0206-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/13/19	
K2756-12RE	P021-SS007-0206-01RE	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/15/19	
K2756-13	P021-SS007-0612-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2756-14	P021-SS007-1218-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2756-15	P021-SS007-1824-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2756-16	P021-SS008-0002-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2756-16RE	P021-SS008-0002-01RE	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/15/19	
K2756-17	P021-SS008-0206-01	SOIL			05/08/19		05/08/19
			VOC-TCLVOA-10	8260C		05/14/19	
K2756-20	P021-SS008-0206-02	SOIL			05/08/19		05/08/19

LAB CHRONICLE

			VOC-TCLVOA-10	8260C		05/14/19	
K2756-21	**P021-SS008-0612-01**	**SOIL**			**05/08/19**		**05/08/19**
			VOC-TCLVOA-10	8260C		05/14/19	

SHIPPING DOCUMENTS

K2756

6

6.1

USEPA
DateShipped: 5/8/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050819-0370-0083-0001
Cooler #: 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS005-0002-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	07:45	3	Encore	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	07:45	1	4 oz glass w/ septum	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	07:48	3	Encore	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	07:48	1	4 oz glass w/ septum	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	07:53	3	Encore	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	07:53	1	4 oz glass w/ septum	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	08:00	3	Encore	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:00	1	4 oz glass w/ septum	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL VOCs (Solid)	5/8/2019	08:06	3	Encore	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:06	1	4 oz glass w/ septum	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:18	3	Encore	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:18	1	4 oz glass w/ septum	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:23	3	Encore	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:23	1	4 oz glass w/ septum	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:27	3	Encore	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:27	1	4 oz glass w/ septum	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:34	3	Encore	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:34	1	4 oz glass w/ septum	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	TCL VOCs (Solid)	5/8/2019	08:40	3	Encore	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Weston RST 3, [illegible]	5/8/19 1630		5/8/19 1704	2.0C
			[illegible]		

K2756

6

6.1

USEPA
DateShipped: 5/8/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050819-0370-0083-0001
Cooler #: 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS006-1824-01	P021-SS006	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:40	1	4 oz glass w/ septum	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	08:46	3	Encore	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:46	1	4 oz glass w/ septum	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	08:55	3	Encore	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	08:55	1	4 oz glass w/ septum	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	09:03	3	Encore	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:03	1	4 oz glass w/ septum	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	09:07	3	Encore	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:07	1	4 oz glass w/ septum	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL VOCs (Solid)	5/8/2019	09:14	3	Encore	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:14	1	4 oz glass w/ septum	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:20	3	Encore	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:20	1	4 oz glass w/ septum	4 C	N
	P021-SS008-0206-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:24	9	Encore	4 C	Y
	P021-SS008-0206-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:24	2	4 oz glass w/ septum	4 C	Y
	P021-SS008-0206-02	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:24	3	Encore	4 C	N
	P021-SS008-0206-02	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:24	1	4 oz glass w/ septum	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:31	3	Encore	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:31	1	4 oz glass w/ septum	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Weston RST 3, ~~[illegible]~~	5/8/19 1630			
			[illegible]	5/8/19 1704	2.0°

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) George Negron		Log-in Date 5/8/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P021-SS005-0002-01	MA No. ~~0100105~~ SC

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
Raytheon, K.L.	Present
	~~N/A~~ Hand SC Delivered
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.0 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/08/2019
12. Time Received	17:04

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P021-SS005-0002		K2756-01	Intact
2	P021-SS005-0206		K2756-02	Intact
3	P021-SS005-0612		K2756-03	Intact
4	P021-SS005-1218		K2756-04	Intact
5	P021-SS005-1824		K2756-05	Intact
6	P021-SS006-0002		K2756-06	Intact
7	P021-SS006-0206		K2756-07	Intact
8	P021-SS006-0612		K2756-08	Intact
9	P021-SS006-1218		K2756-09	Intact
10	P021-SS006-1824		K2756-10	Intact
11	P021-SS007-0002		K2756-11	Intact
12	P021-SS007-0206		K2756-12	Intact
13	P021-SS007-0612		K2756-13	Intact
14	P021-SS007-1218		K2756-14	Intact
15	P021-SS007-1824		K2756-15	Intact
16	P021-SS008-0002		K2756-16	Intact
17	P021-SS008-0206		K2756-17	Intact
18	K2756-17MS		K2756-18	Intact
19	K2756-17MSD		K2756-19	Intact
20	P021-SS008-0206		K2756-20	Intact
21	P021-SS008-0612		K2756-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By SC	Logbook No.
Date 5-8-19	Logbook Page No.

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 8/Soils, 1/Aqueous (Rinsate Blank)

Lab Order No.: K2757

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Volatile Organic Compounds (VOCs)

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL VOCs	SW-846 Method 8260C	HW-24 (Revision 4), October 2014

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/7/2019

Verified By: [illegible] **Date:** 6/7/2019

On May 8, 2019, EPA Region II and RST 3 personnel collected eight soil samples and one rinsate blank for TCL VOC analysis from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were hand-delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.0 Degrees Celsius (^{o}C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.:K2757				
P021-SS008-1218-01	K2757-01	Soil	TCL VOCs	5/08/2019
P021-SS008-1824-01	K2757-02	Soil	TCL VOCs	5/08/2019
P021-SS009-0002-01	K2757-03	Soil	TCL VOCs	5/08/2019
P021-SS008-0206-01	K2757-04	Soil	TCL VOCs	5/08/2019
P021-SS008-0612-01	K2757-05	Soil	TCL VOCs	5/08/2019
P021-SS010-0002-01	K2757-06	Soil	TCL VOCs	5/08/2019
P021-SS010-0206-01	K2757-07	Soil	TCL VOCs	5/08/2019
P021-SS010-0612-01	K2757-08	Soil	TCL VOCs	5/08/2019
RB-190508	K2757-09	Aqueous/ Rinse	TCL VOCs	5/08/2019

DATA ASSESSMENT

ANALYSIS: VOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-24 (Revision 4), October 2014 to sample analytes as shown below.

In the low-level analysis of the samples listed below, one or more surrogate compound recoveries either exceeded the upper laboratory control limit or were less than the lower laboratory control

limit. The surrogate outliers are noted on the Form 1s. All positive results reported from the low-level analysis would be estimated (J). For samples where the surrogate recovery fell below the lower laboratory control limit, the non-detected sample results reported from the low-level analysis were qualified as estimated (UJ). [NOTE: Detected results were qualified as estimated (J) unless bias was added (J+ or J-) due to other QC nonconformances (i.e., low internal standard recoveries). The data validator retained the J qualifier with the high (+) or low (-) bias.]

P021-SS009-0002-01:
J - Acetone
P021-SS010-0002-01:
UJ - all low-level non-detects.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to sample analytes as shown below.

Not Applicable

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-24 (Revision 4), October 2014.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Trip blank contamination for VOA aqueous samples:

No trip blank was submitted.

D) Storage Blank associated with VOA samples only:

There was no evidence that the laboratory analyzed any.

E) Tentatively Identified Compounds:

No laboratory artifacts were detected in the laboratory method blanks.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB). If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum relative response factor (RRF) criteria as listed in Method 8260C. If RRF is less than minimum requirement for any target analyte, the undetected analyte will be rejected (R) and the positive result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated for the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20 for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, positive results are flagged as estimated (J) and non-detects (UJ) for %D values outside criteria. If %RSD exceeds QC criteria, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below. Alternately, if the laboratory used a first or second order regression fit of the calibration curve and the r ≥ 0.99, then no data validation qualifiers are applied.

For initial calibration performed on May 7, 2019 on instruments MSVOA.D, the %RSD was greater than (>) 20 for methyl acetate. Since, methyl acetate was fit by linear regression in this initial calibration; no qualifier was applied.

For initial calibration performed on May 7, 2019 on instrument MSVOA.D, the %RSD was > 20 for 1,2,3-trichlorobenzene. Since, 1,2,3-trichlorobenzene was not detected in associated samples P021-SS010-0002-01RE, P021-SS008-1218-01RE, and P021-SS009-0002-01; no actions were required.

For initial calibration performed on May 6, 2019 on instruments MSVOA.F, the %RSD was > 20 for methyl acetate. Since, methyl acetate was fit by linear regression in this initial calibration; no qualifier was applied.

For the CCV analyzed on 5/14/2019 at 11:14 on instrument MSVOA_D, the %D was >20 for bromomethane, chloroethane, acetone, trichlorotrifluoroethane, carbon tetrachloride, bromochloromethane, bromodichloromethane, and 1,2,3-trichlorobenzene. The non-detected results for bromomethane, chloroethane, acetone, trichlorotrifluoroethane, carbon tetrachloride, bromochloromethane, and bromodichloromethane were estimated (UJ) for sample P021-SS010-0002-01RE; and carbon tetrachloride, bromodichloromethane, and 1,2,3-trichlorobenzene were estimated (UJ) for sample P021-SS008-1218-01RE

For the CCV analyzed on 5/09/2019 at 10:17 on instrument MSVOA_X, the %D was >20 for bromochloromethane. The non-detected result for bromochloromethane was estimated (UJ) for sample RB-190508.

Note: Above listed compounds that were rejected or estimated bias high in above listed samples due to low IS recoveries (less than [<] 20% or <50%) or surrogate recoveries were not further qualified due to CCV recoveries >20%.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit but ≥20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ". If the area count is less than 20%, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

The following samples have internal standard area counts that are greater than or equal to (≥) 20% but <50%, the lower limit of primary criteria. Detected compounds associated with the non-compliant IS were qualified as estimated (J+); non-detected compounds associated with the non-compliant IS were qualified as estimated (UJ).

Pentafluorobenzene: P021-SS008-1218-01RE, P021-SS009-0206-01, and P021-SS010-0002-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P021-SS009-0206-01 and P021-SS010-0002-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

1,4-Dichlorobenzene-d4: P021-SS010-0002-01RE
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

The following samples have internal standard area counts that are <20%. Using professional judgment, the following detected compounds are estimated (J+) and non-detect VOC results were rejected (R).

Pentafluorobenzene: P021-SS009-0002-01 and P021-SS008-1218-01
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, Acetone, Carbon Disulfide, Methyl tert-butyl ether, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Cyclohexane, 2-Butanone, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, and 1,1,1-Trichloroethane.

1,4-Difluorobenzene: P021-SS009-0002-01 and P021-SS008-1218-01
Carbon Tetrachloride, Methylcyclohexane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1,2-Trichloroethane, 2-Hexanone, Dibromochloromethane, and 1,2-Dibromoethane

Chlorobenzene-d5: P021-SS009-0002-01, P021-SS008-1218-01, P021-SS009-0206-01, and P021-SS010-0002-01
Tetrachloroethene, Chlorobenzene, Ethylbenzene, m/p-Xylene, o-Xylene, Styrene, and Bromoform

1,4-Dichlorobenzene-d4: P021-SS009-0002-01, P021-SS008-1218-01, P021-SS009-0206-01, and P021-SS010-0002-01
Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, and 1,2,3-Trichlorobenzene

Note: Internal standard area counts were also below <50% for P026-SS008-0206-01MS, P026-SS008-0206-01MSD; no actions were taken for failing internal standards in QC samples.

8. FIELD DUPLICATES:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's

duplicate.

Not Applicable

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities ≥85% match of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis. Qualifications were applied to sample analytes as shown below.

Not Applicable

The laboratory reported below non-target VOC as TIC. The non-target VOC is not a project target analyte but was present in the sample and quantitated using the VOC calibration standard in the following sample:

RB-190508: Tert Butyl Alcohol

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were found for this criterion.

12. OTHER PROBLEMS:

Due to non-compliant blank spike results, the laboratory qualified the associated analytes with Q qualifier on all Form Is. The data reviewer removed the Q qualifiers from all the Form Is and initialed the changes.

The recovery of bromomethane and RPDs of bromomethane and cyclohexane exceeded the acceptance criteria in the laboratory control sample (LCS) associated with samples P021-SS010-0002-01, P021-SS008-1218-01RE, and P021-SS009-0002-01. The non-detected results for these compounds were not qualified.

The recoveries of 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,2-dichlorobenzene, carbon tetrachloride, chlorobenzene, cis-1,2-dichloroethene and styrene exceeded the acceptance criteria in the LCS associated with samples P021-SS008-1218-01, P021-SS008-

1824-01, P021-SS009-0206-01, P021-SS009-0612-01, P021-SS010-0002-01, P021-SS010-0206-01, and P021-SS010-0612-01. The non-detected results for these compounds were not qualified, except detected styrene which was qualified as estimated (J) in sample P021-SS008-1824-01.

Internal standards and surrogate failed in samples P021-SS009-0002-01 and P021-SS009-0206-01; and laboratory did not reanalyzed the samples. Laboratory indicated in case narrative that Vials A and B were analyzed originally for internal standard and surrogate. For sample P021-SS009-0002-01, Vial A did not purge well, while for sample P021-SS009-0206-01 Vial B did not purge well; and there was no other vial left for further analysis. The vial A and Vial B raw data is reported in miscellaneous as screening data.

As per case narrative, sample analysis was performed by Method 8260C. However, the laboratory used %RSD <15, a requirement for Method 8260B, to assess initial calibration results, thus incorrectly indicating non-compliant %RSD for some compounds in initial calibrations. The data validation and qualification was based on requirement of %RSD <20 established in Method 8260C.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report. The following sample results were used for reporting purposes.

The majority of samples in this SDG were analyzed as low-level VOCs and/or reanalyzed at low-level to either confirm that poor surrogate and internal standard recoveries were due to matrix effect. Samples P021-SS008-1218-01RE and P021-SS010-0002-01RE were used for reporting purposes.

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS008-1218-01RE	P021-SS008-1824-01	P021-SS009-0002-01	P021-SS009-0206-01	P021-SS009-0612-01
Lab Sample ID	K2757-01RE	K2757-02	K2757-03	K2757-04	K2757-05
Sample weight (g)	4.8	5.66	5.12	6.16	5.79
Moisture (%)	12.5	15.1	32.8	20.6	20.2
Dilution Factor	1	1	1	1	1
Volatile Organic Compounds (ug/kg)					
Dichlorodifluoromethane	1.1 UJ	0.95 U	R	0.93 UJ	0.98 U
Chloromethane	2.1 UJ	1.9 U	R	1.8 UJ	1.9 U
Vinyl Chloride	1.3 UJ	1.2 U	R	1.1 UJ	1.2 U
Bromomethane	0.45 UJ	0.39 U	R	0.39 UJ	0.41 U
Chloroethane	0.68 UJ	0.6 U	R	0.59 UJ	0.62 U
Trichlorofluoromethane	0.77 UJ	0.67 U	R	0.66 UJ	0.7 U
1,1,2-Trichlorotrifluoroethane	0.95 UJ	0.83 U	R	0.82 UJ	0.87 U
1,1-Dichloroethene	1.2 UJ	1 U	R	1 UJ	1.1 U
Acetone	9.1 UJ	8 U	**330 J+**	7.8 UJ	8.3 U
Carbon Disulfide	1.3 UJ	1.1 U	R	1.1 UJ	1.2 U
Methyl tert-butyl Ether	1.7 UJ	1.5 U	R	1.4 UJ	1.5 U
Methyl Acetate	3.3 UJ	2.9 U	R	2.9 UJ	3 U
Methylene Chloride	6.2 UJ	5.4 U	R	5.3 UJ	5.6 U
trans-1,2-Dichloroethene	1.5 UJ	1.3 U	R	1.3 UJ	1.4 U
1,1-Dichloroethane	1.1 UJ	0.95 U	R	0.93 UJ	0.98 U
Cyclohexane	2.1 UJ	1.9 U	R	1.8 UJ	1.9 U
2-Butanone	7.9 UJ	6.9 U	R	6.8 UJ	7.2 U
Carbon Tetrachloride	0.98 UJ	0.86 U	R	0.84 UJ	0.89 U
cis-1,2-Dichloroethene	1.2 UJ	1 U	R	1 UJ	1.1 U
Bromochloromethane	1.4 UJ	1.2 U	R	1.2 UJ	1.3 U
Chloroform	1 UJ	0.9 U	R	0.88 UJ	0.93 U
1,1,1-Trichloroethane	1.3 UJ	1.1 U	R	1.1 UJ	1.1 U
Methylcyclohexane	1.4 U	1.2 U	R	1.2 UJ	1.3 U
Benzene	1 U	0.87 U	R	0.86 UJ	0.91 U
1,2-Dichloroethane	1.4 U	1.2 U	R	1.2 UJ	1.3 U
Trichloroethene	1.1 U	0.97 U	R	0.95 UJ	1 U
1,2-Dichloropropane	1.5 U	1.3 U	R	1.3 UJ	1.3 U
Bromodichloromethane	1.2 UJ	1 U	R	1 UJ	1.1 U
4-Methyl-2-Pentanone	6.7 U	5.8 U	R	5.7 UJ	6.1 U
Toluene	1.2 U	1 U	R	1 UJ	1.1 U
t-1,3-Dichloropropene	1.2 U	1 U	R	1 UJ	1.1 U
cis-1,3-Dichloropropene	1.3 U	1.1 U	R	1.1 UJ	1.2 U
1,1,2-Trichloroethane	1.7 U	1.5 U	R	1.5 UJ	1.5 U
2-Hexanone	8.8 U	7.7 U	R	7.5 UJ	8 U
Dibromochloromethane	1.6 U	1.4 U	R	1.3 UJ	1.4 U
1,2-Dibromoethane	1.5 U	1.4 U	R	1.3 UJ	1.4 U
Tetrachloroethene	0.83 U	0.72 U	R	R	0.75 U
Chlorobenzene	0.94 U	0.82 U	R	R	0.85 U
Ethyl Benzene	1 U	0.89 U	R	R	0.92 U
m/p-Xylenes	2 U	1.7 U	R	R	1.8 U
o-Xylene	1.3 U	1.1 U	R	R	1.2 U
Styrene	1.2 U	**1.9 J**	R	R	1.1 U
Bromoform	3.9 U	3.4 U	R	R	3.5 U
Isopropylbenzene	1 U	0.9 U	R	R	0.94 U
1,1,2,2-Tetrachloroethane	1.3 U	1.1 U	R	R	1.2 U
1,3-Dichlorobenzene	1.3 U	1.1 U	R	R	1.2 U
1,4-Dichlorobenzene	1.3 U	1.1 U	R	R	1.1 U
1,2-Dichlorobenzene	1.5 U	1.3 U	R	R	1.4 U
1,2-Dibromo-3-Chloropropane	4 U	3.5 U	R	R	3.6 U
1,2,4-Trichlorobenzene	1.3 U	1.2 U	R	R	1.2 U
1,2,3-Trichlorobenzene	1.5 UJ	1.3 U	R	R	1.4 U

U: Not detected at the indicated concentration. RE: Reanalysis R: Rejected

J: Estimated result/J+: Estimate result with a high bias µg/Kg = micrograms per kilogram Bolded result - Detected Value

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil
Field Sample ID	P021-SS010-0002-01RE	P021-SS010-0206-01	P021-SS010-0612-01
Lab Sample ID	K2757-06RE	K2757-07	K2757-08
Sample weight (g)	4.94	4.36	5.6
Moisture (%)	20.6	14.9	11.9
Dilution Factor	1	1	1
Volatile Organic Compounds (ug/kg)			
Dichlorodifluoromethane	1.2 U	1.2 U	0.92 U
Chloromethane	2.3 U	2.4 U	1.8 U
Vinyl Chloride	1.4 U	1.5 U	1.1 U
Bromomethane	0.48 UJ	0.51 U	0.38 U
Chloroethane	0.73 UJ	0.78 U	0.58 U
Trichlorofluoromethane	0.82 UJ	0.87 U	0.65 U
1,1,2-Trichlorotrifluoroethane	1 U	1.1 U	0.81 U
1,1-Dichloroethene	1.3 U	1.3 U	1 U
Acetone	9.8 UJ	10.3 U	7.8 U
Carbon Disulfide	1.4 U	1.4 U	1.1 U
Methyl tert-butyl Ether	1.8 U	1.9 U	1.4 U
Methyl Acetate	3.6 U	3.8 U	2.8 U
Methylene Chloride	6.6 U	7 U	5.3 U
trans-1,2-Dichloroethene	1.6 U	1.7 U	1.3 U
1,1-Dichloroethane	1.2 U	1.2 U	0.92 U
Cyclohexane	2.3 U	2.4 U	1.8 U
2-Butanone	8.5 U	9 U	6.8 U
Carbon Tetrachloride	1.1 UJ	1.1 U	0.84 U
cis-1,2-Dichloroethene	1.3 U	1.3 U	1 U
Bromochloromethane	1.5 U	1.6 U	1.2 U
Chloroform	1.1 UJ	1.2 U	0.87 U
1,1,1-Trichloroethane	1.3 U	1.4 U	1.1 U
Methylcyclohexane	1.5 U	1.6 U	1.2 U
Benzene	1.1 U	1.1 U	0.85 U
1,2-Dichloroethane	1.5 U	1.6 U	1.2 U
Trichloroethene	1.2 U	1.3 U	0.94 U
1,2-Dichloropropane	1.6 U	1.7 U	1.3 U
Bromodichloromethane	1.3 UJ	1.3 U	1 U
4-Methyl-2-Pentanone	7.1 U	7.5 U	5.7 U
Toluene	1.2 U	1.3 U	0.99 U
t-1,3-Dichloropropene	1.3 U	1.4 U	1 U
cis-1,3-Dichloropropene	1.4 U	1.4 U	1.1 U
1,1,2-Trichloroethane	1.8 U	1.9 U	1.4 U
2-Hexanone	9.4 U	9.9 U	7.5 U
Dibromochloromethane	1.7 U	1.8 U	1.3 U
1,2-Dibromoethane	1.7 U	1.8 U	1.3 U
Tetrachloroethene	0.89 U	0.94 U	0.7 U
Chlorobenzene	1 U	1.1 U	0.8 U
Ethyl Benzene	1.1 U	1.2 U	0.86 U
m/p-Xylenes	2.1 U	2.2 U	1.7 U
o-Xylene	1.4 U	1.5 U	1.1 U
Styrene	1.3 U	1.3 U	1 U
Bromoform	4.2 U	4.4 U	3.3 U
Isopropylbenzene	1.1 UJ	1.2 U	0.88 U
1,1,2,2-Tetrachloroethane	1.4 UJ	1.5 U	1.1 U
1,3-Dichlorobenzene	1.4 UJ	1.4 U	1.1 U
1,4-Dichlorobenzene	1.3 UJ	1.4 U	1.1 U
1,2-Dichlorobenzene	1.6 UJ	1.7 U	1.3 U
1,2-Dibromo-3-Chloropropane	4.2 UJ	4.5 U	3.4 U
1,2,4-Trichlorobenzene	1.4 UJ	1.5 U	1.1 U
1,2,3-Trichlorobenzene	1.6 UJ	1.7 U	1.3 U

U: Not detected at the indicated concentration

J: Estimated result/J+: Estimate result with a high bias

Bolded result - Detected Value

RE: Reanalysis

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Aqueous/Rinse Blank
Field Sample ID	RB-190508
Lab Sample ID	K2757-09
Dilution Factor	1
Volatile Organic Compounds (ug/L)	
Dichlorodifluoromethane	0.22 U
Chloromethane	0.3 U
Vinyl Chloride	0.16 U
Bromomethane	2.1 U
Chloroethane	0.34 U
Trichlorofluoromethane	0.16 U
1,1,2-Trichlorotrifluoroethane	0.21 U
1,1-Dichloroethene	0.18 U
Acetone	0.9 U
Carbon Disulfide	0.23 U
Methyl tert-butyl Ether	0.07 U
Methyl Acetate	0.65 U
Methylene Chloride	0.33 U
trans-1,2-Dichloroethene	0.24 U
1,1-Dichloroethane	0.17 U
Cyclohexane	1.2 U
2-Butanone	0.71 U
Carbon Tetrachloride	0.22 U
cis-1,2-Dichloroethene	0.3 U
Bromochloromethane	0.31 UJ
Chloroform	0.14 U
1,1,1-Trichloroethane	0.12 U
Methylcyclohexane	0.17 U
Benzene	0.1 U
1,2-Dichloroethane	0.13 U
Trichloroethene	0.27 U
1,2-Dichloropropane	0.14 U
Bromodichloromethane	0.1 U
4-Methyl-2-Pentanone	0.85 U
Toluene	0.12 U
t-1,3-Dichloropropene	0.19 U
cis-1,3-Dichloropropene	0.16 U
1,1,2-Trichloroethane	0.12 U
2-Hexanone	1.4 U
Dibromochloromethane	0.16 U
1,2-Dibromoethane	0.14 U
Tetrachloroethene	0.15 U
Chlorobenzene	0.08 U
Ethyl Benzene	0.08 U
m/p-Xylenes	0.2 U
o-Xylene	0.13 U
Styrene	0.11 U
Bromoform	0.15 U
Isopropylbenzene	0.13 U
1,1,2,2-Tetrachloroethane	0.15 U
1,3-Dichlorobenzene	0.14 U
1,4-Dichlorobenzene	0.2 U
1,2-Dichlorobenzene	0.12 U
1,2-Dibromo-3-Chloropropane	0.54 U
1,2,4-Trichlorobenzene	0.24 U
1,2,3-Trichlorobenzene	0.26 U

U: Not detected at the indicated concentration.

J: Estimated result

µg/L = micrograms per liter

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : K2757

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2757-01	P021-SS008-1218-01
K2757-02	P021-SS008-1824-01
K2757-03	P021-SS009-0002-01
K2757-04	P021-SS009-0206-01
K2757-05	P021-SS009-0612-01
K2757-06	P021-SS010-0002-01
K2757-07	P021-SS010-0206-01
K2757-08	P021-SS010-0612-01
K2757-09	RB-190508

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED
Date: 5/15/2019
By Mildred V Reyes, QAQC Supervisor at 6:15 pm, May 15, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2757
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/08/2019.
1 Water sample was received on 05/08/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for
P021-SS008-1218-01RE [1,2-Dichloroethane-d4 - 133%],
P021-SS009-0002-01 [1,2-Dichloroethane-d4 - 157%]
P021-SS010-0002-01 [1,2-Dichloroethane-d4 - 45%].

The Internal Standards Areas met the acceptable requirements except for P021-SS008-1218-01, P021-SS008-1218-01RE, P021-SS009-0002-01, P021-SS009-0206-01, P021-SS010-0002-01 and P021-SS010-0002-01RE.

The Retention Times were acceptable for all samples.

The Blank Spike Duplicate for {VD0514SBSD01} with File ID: VD062345.D met requirements for all samples except for Bromomethane [154%].

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The RPD for {VD0514SBSD01} with File ID: VD062345.D met criteria except for Bromomethane [31%], Cyclohexane[23%].

The Blank Spike for {VF0513SBS02} with File ID: VF062563.D met requirements for all samples except for 1,1,1-Trichloroethane[128%], 1,1,2-Trichloroethane[128%], 1,1-Dichloroethane[131%], 1,2-Dichlorobenzene[123%], Carbon Tetrachloride[133%], Chlorobenzene[123%], cis-1,2-Dichloroethene[123%] and Styrene[123%] .

VX0509WBS01 and VX0509WBSD01 met the requirements.

The RPD for VX0509WBSD01/VX0509WBSD01 met criteria except for Bromomethane[22%] .

The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met requirements.

The %RSD is greater than 20% in the Initial Calibration (Method 82D050719S.M) for Methyl Acetate. This compound is passing on Linear regression.

The ICV (VD062142.D) failed marginally for 1,2,3-Trichlorobenzene [30.1%]. This compound was not found in the samples. No further corrective action was taken.

The %RSD is greater than 15% in the Initial Calibration (Method 82F050219S.M) for Bromomethane, Methyl Acetate and Carbon Tetrachloride, these compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 82X042919W.M) for Bromochloromethane. This compound is passing on Linear regression.

The Continuous Calibration File ID VD062339.D met the requirements except for Bromomethane, Chloroethane, Acetone, Trichlorotrifluoroethane, Carbon Tetrachloride, Bromochloromethane, Bromodichloromethane and 1,2,3 Trichlorobenzene. These compounds were not found in the samples.

The Continuous Calibration File ID VX009416.D met the requirements except for Bromochloromethane. This compound was not found in the samples.

Samples P021-SS009-0002-01 and P021-SS009-0206-01were analyzed using Vials A and B due to surrogate and internal standard failure. The analysis of Vial A for P021-SS009-0002-01 did not purge well while Vial B did not purge well for sample P021-SS009-0206-01. There was no other vial for further reanalysis. The bad purge analysis raw data is in the screening data section.

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E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples therefore lab used from another project.

Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 6:15 pm, May 15, 2019

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2757
Lab Sample ID:	K2757-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062573.D	1	Do not use	05/14/19 07:18	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U R	0.99	5.5	ug/Kg
74-87-3	Chloromethane	2	U	2	5.5	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.5	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.5	ug/Kg
75-00-3	Chloroethane	0.63	U	0.63	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	0.71	U	0.71	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.5	ug/Kg
67-64-1	Acetone	8.4	U	8.4	27.4	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.5	ug/Kg
79-20-9	Methyl Acetate	3.1	U	3.1	5.5	ug/Kg
75-09-2	Methylene Chloride	5.7	U	5.7	10.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	1	UQ	1	5.5	ug/Kg
110-82-7	Cyclohexane	2	U	2	5.5	ug/Kg
78-93-3	2-Butanone	7.3	U	7.3	27.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.9	UQ	0.9	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	UQ	1.1	5.5	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.5	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.2	UQ	1.2	5.5	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.5	ug/Kg
71-43-2	Benzene	0.92	U	0.92	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.5	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	1.4	5.5	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.4	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.5	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2757
Lab Sample ID:	K2757-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062573.D	1		05/14/19 07:18	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.6	UQ R	1.6	5.5	ug/Kg
591-78-6	2-Hexanone	8.1	U	8.1	27.4	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.5	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	5.5	ug/Kg
108-90-7	Chlorobenzene	0.86	UQ	0.86	5.5	ug/Kg
100-41-4	Ethyl Benzene	0.93	U	0.93	5.5	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.9	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.5	ug/Kg
100-42-5	Styrene	1.1	UQ	1.1	5.5	ug/Kg
75-25-2	Bromoform	3.6	U	3.6	5.5	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	UQ	1.4	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.6		56 - 120	71%	SPK: 50
1868-53-7	Dibromofluoromethane	41.7		57 - 135	83%	SPK: 50
2037-26-5	Toluene-d8	40.9		67 - 123	82%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8		33 - 141	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	47795	5.08			
540-36-3	1,4-Difluorobenzene	56773	5.8			
3114-55-4	Chlorobenzene-d5	51181	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	25935	12.62			

<20%

6/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2757
Lab Sample ID:	K2757-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	5.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062573.D	1		05/14/19 07:18	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

6/3/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1218-01RE	SDG No.:	K2757
Lab Sample ID:	K2757-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	4.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062353.D	1		05/14/19 18:20	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.1	U J	1.1	6	ug/Kg
74-87-3	Chloromethane	2.1	U	2.1	6	ug/Kg
75-01-4	Vinyl Chloride	1.3	U	1.3	6	ug/Kg
74-83-9	Bromomethane	0.45	UØ	0.45	6	ug/Kg
75-00-3	Chloroethane	0.68	U	0.68	6	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	6	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	1.2	6	ug/Kg
67-64-1	Acetone	9.1	U	9.1	29.8	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.7	U	1.7	6	ug/Kg
79-20-9	Methyl Acetate	3.3	U	3.3	6	ug/Kg
75-09-2	Methylene Chloride	6.2	U	6.2	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.5	U	1.5	6	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	2.1	U	2.1	6	ug/Kg
78-93-3	2-Butanone	7.9	U	7.9	29.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U J	0.98	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.2	U J	1.2	6	ug/Kg
74-97-5	Bromochloromethane	1.4	U J	1.4	6	ug/Kg
67-66-3	Chloroform	1	U J	1	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U J	1.3	6	ug/Kg
108-87-2	Methylcyclohexane	1.4	U	1.4	6	ug/Kg
71-43-2	Benzene	1	U	1	6	ug/Kg
107-06-2	1,2-Dichloroethane	1.4	U	1.4	6	ug/Kg
79-01-6	Trichloroethene	1.1	U	1.1	6	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	1.5	6	ug/Kg
75-27-4	Bromodichloromethane	1.2	U J	1.2	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.7	U	6.7	29.8	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.2	U	1.2	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	1.3	6	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1218-01RE	SDG No.:	K2757
Lab Sample ID:	K2757-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	4.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062353.D	1		05/14/19 18:20	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.7	U	1.7	6	ug/Kg
591-78-6	2-Hexanone	8.8	U	8.8	29.8	ug/Kg
124-48-1	Dibromochloromethane	1.6	U	1.6	6	ug/Kg
106-93-4	1,2-Dibromoethane	1.5	U	1.5	6	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	6	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	6	ug/Kg
100-41-4	Ethyl Benzene	1	U	1	6	ug/Kg
179601-23-1	m/p-Xylenes	2	U	2	11.9	ug/Kg
95-47-6	o-Xylene	1.3	U	1.3	6	ug/Kg
100-42-5	Styrene	1.2	U	1.2	6	ug/Kg
75-25-2	Bromoform	3.9	U	3.9	6	ug/Kg
98-82-8	Isopropylbenzene	1	U	1	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	1.3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4	U	4	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.5	U J	1.5	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.4	*	56 - 120	133%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	36.3		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		33 - 141	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327135	7.07	< 50 %		
540-36-3	1,4-Difluorobenzene	515938	8.24			
3114-55-4	Chlorobenzene-d5	452419	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	218208	14.53			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1218-01RE	SDG No.:	K2757
Lab Sample ID:	K2757-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	4.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062353.D	1		05/14/19 18:20	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2757
Lab Sample ID:	K2757-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062574.D	1		05/14/19 07:46	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	5.2	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.2	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.2	ug/Kg
74-83-9	Bromomethane	0.39	U	0.39	5.2	ug/Kg
75-00-3	Chloroethane	0.6	U	0.6	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	0.67	U	0.67	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.83	U	0.83	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.2	ug/Kg
67-64-1	Acetone	8	U	8	26	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.2	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.2	ug/Kg
75-09-2	Methylene Chloride	5.4	U	5.4	10.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	0.95	UQ	0.95	5.2	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.2	ug/Kg
78-93-3	2-Butanone	6.9	U	6.9	26	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	UQ	0.86	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	UQ	1	5.2	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.2	ug/Kg
67-66-3	Chloroform	0.9	U	0.9	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UQ	1.1	5.2	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.2	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.2	ug/Kg
79-01-6	Trichloroethene	0.97	U	0.97	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.2	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.8	U	5.8	26	ug/Kg
108-88-3	Toluene	1	U	1	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.2	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2757
Lab Sample ID:	K2757-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062574.D	1		05/14/19 07:46	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	UQ	1.5	5.2	ug/Kg
591-78-6	2-Hexanone	7.7	U	7.7	26	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.2	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	5.2	ug/Kg
108-90-7	Chlorobenzene	0.82	UQ	0.82	5.2	ug/Kg
100-41-4	Ethyl Benzene	0.89	U	0.89	5.2	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.4	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.2	ug/Kg
100-42-5	Styrene	1.9	JQ J	1	5.2	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.2	ug/Kg
98-82-8	Isopropylbenzene	0.9	U	0.9	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	UQ	1.3	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.5	U	3.5	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		56 - 120	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	36.4		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		33 - 141	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	315974	5.08			
540-36-3	1,4-Difluorobenzene	454092	5.8			
3114-55-4	Chlorobenzene-d5	392898	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	233252	12.62			

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2757
Lab Sample ID:	K2757-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.1
Sample Wt/Vol:	5.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062574.D	1		05/14/19 07:46	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2757
Lab Sample ID:	K2757-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	32.8
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062354.D	1		05/14/19 18:47	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U R	1.3	7.3	ug/Kg
74-87-3	Chloromethane	2.6	U	2.6	7.3	ug/Kg
75-01-4	Vinyl Chloride	1.6	U	1.6	7.3	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	7.3	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	7.3	ug/Kg
75-69-4	Trichlorofluoromethane	0.94	U	0.94	7.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.2	U	1.2	7.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	1.4	7.3	ug/Kg
67-64-1	Acetone	330	J+	11.2	36.3	ug/Kg
75-15-0	Carbon Disulfide	1.6	U R	1.6	7.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2	U	2	7.3	ug/Kg
79-20-9	Methyl Acetate	4.1	U	4.1	7.3	ug/Kg
75-09-2	Methylene Chloride	7.6	U	7.6	14.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.8	U	1.8	7.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.3	U	1.3	7.3	ug/Kg
110-82-7	Cyclohexane	2.6	U	2.6	7.3	ug/Kg
78-93-3	2-Butanone	9.7	U	9.7	36.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	1.2	7.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.4	U	1.4	7.3	ug/Kg
74-97-5	Bromochloromethane	1.7	U	1.7	7.3	ug/Kg
67-66-3	Chloroform	1.3	U	1.3	7.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.5	U	1.5	7.3	ug/Kg
108-87-2	Methylcyclohexane	1.7	U	1.7	7.3	ug/Kg
71-43-2	Benzene	1.2	U	1.2	7.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.7	U	1.7	7.3	ug/Kg
79-01-6	Trichloroethene	1.4	U	1.4	7.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.8	U	1.8	7.3	ug/Kg
75-27-4	Bromodichloromethane	1.4	U	1.4	7.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.1	U	8.1	36.3	ug/Kg
108-88-3	Toluene	1.4	U	1.4	7.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5	U	1.5	7.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.6	U	1.6	7.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2757
Lab Sample ID:	K2757-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	32.8
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062354.D	1		05/14/19 18:47	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	2.1	~~U~~ R	2.1	7.3	ug/Kg
591-78-6	2-Hexanone	10.7	U	10.7	36.3	ug/Kg
124-48-1	Dibromochloromethane	1.9	U	1.9	7.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.9	U	1.9	7.3	ug/Kg
127-18-4	Tetrachloroethene	1	U	1	7.3	ug/Kg
108-90-7	Chlorobenzene	1.1	U	1.1	7.3	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	7.3	ug/Kg
179601-23-1	m/p-Xylenes	2.4	U	2.4	14.5	ug/Kg
95-47-6	o-Xylene	1.6	U	1.6	7.3	ug/Kg
100-42-5	Styrene	1.4	U	1.4	7.3	ug/Kg
75-25-2	Bromoform	4.8	U	4.8	7.3	ug/Kg
98-82-8	Isopropylbenzene	1.3	U	1.3	7.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	1.6	7.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.5	U	1.5	7.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	7.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.8	U	1.8	7.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	4.8	7.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	7.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.8	U	1.8	7.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	78.7	*	56 - 120	157%	SPK: 50
1868-53-7	Dibromofluoromethane	61.3		57 - 135	123%	SPK: 50
2037-26-5	Toluene-d8	39.5		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.8		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	116286	7.07			
540-36-3	1,4-Difluorobenzene	155174	8.23			
3114-55-4	Chlorobenzene-d5	113414	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	38158	14.52			

< 20%

6/3/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2757
Lab Sample ID:	K2757-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	32.8
Sample Wt/Vol:	5.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062354.D	1		05/14/19 18:47	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2757
Lab Sample ID:	K2757-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	6.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062576.D	1		05/14/19 08:42	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	5.1	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.1	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.1	ug/Kg
74-83-9	Bromomethane	0.39	U	0.39	5.1	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	U	0.66	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.1	ug/Kg
67-64-1	Acetone	7.8	U	7.8	25.6	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.1	ug/Kg
79-20-9	Methyl Acetate	2.9	U	2.9	5.1	ug/Kg
75-09-2	Methylene Chloride	5.3	U	5.3	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.93	UØ	0.93	5.1	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5.1	ug/Kg
78-93-3	2-Butanone	6.8	U	6.8	25.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	UØ	0.84	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	UØ	1	5.1	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.1	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UØ	1.1	5.1	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.1	ug/Kg
71-43-2	Benzene	0.86	U	0.86	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.1	ug/Kg
79-01-6	Trichloroethene	0.95	U	0.95	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.1	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.7	U	5.7	25.6	ug/Kg
108-88-3	Toluene	1	U	1	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2757
Lab Sample ID:	K2757-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	6.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062576.D	1		05/14/19 08:42	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	UQ J	1.5	5.1	ug/Kg
591-78-6	2-Hexanone	7.5	U	7.5	25.6	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.1	ug/Kg
127-18-4	Tetrachloroethene	0.71	U R	0.71	5.1	ug/Kg
108-90-7	Chlorobenzene	0.81	UQ	0.81	5.1	ug/Kg
100-41-4	Ethyl Benzene	0.87	U	0.87	5.1	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.2	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.1	ug/Kg
100-42-5	Styrene	1	UQ	1	5.1	ug/Kg
75-25-2	Bromoform	3.4	U	3.4	5.1	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	UQ	1.3	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.9		56 - 120	82%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		57 - 135	103%	SPK: 50
2037-26-5	Toluene-d8	37.9		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.6		33 - 141	67%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79283	5.09	<50%		
540-36-3	1,4-Difluorobenzene	95595	5.8			
3114-55-4	Chlorobenzene-d5	74372	9.93	<20%		
3855-82-1	1,4-Dichlorobenzene-d4	30488	12.63			

6/3/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2757
Lab Sample ID:	K2757-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	6.16 Units: g	Final Vol:	5000 ul
Soil Aliquot Vol:	ul	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062576.D	1		05/14/19 08:42	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2757
Lab Sample ID:	K2757-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062577.D	1		05/14/19 09:10	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	5.4	ug/Kg
74-87-3	Chloromethane	1.9	U	1.9	5.4	ug/Kg
75-01-4	Vinyl Chloride	1.2	U	1.2	5.4	ug/Kg
74-83-9	Bromomethane	0.41	U	0.41	5.4	ug/Kg
75-00-3	Chloroethane	0.62	U	0.62	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.7	U	0.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.1	U	1.1	5.4	ug/Kg
67-64-1	Acetone	8.3	U	8.3	27.1	ug/Kg
75-15-0	Carbon Disulfide	1.2	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	1.5	5.4	ug/Kg
79-20-9	Methyl Acetate	3	U	3	5.4	ug/Kg
75-09-2	Methylene Chloride	5.6	U	5.6	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	UQ	0.98	5.4	ug/Kg
110-82-7	Cyclohexane	1.9	U	1.9	5.4	ug/Kg
78-93-3	2-Butanone	7.2	U	7.2	27.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	UQ	0.89	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	UQ	1.1	5.4	ug/Kg
74-97-5	Bromochloromethane	1.3	U	1.3	5.4	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UQ	1.1	5.4	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	1.3	5.4	ug/Kg
71-43-2	Benzene	0.91	U	0.91	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.3	U	1.3	5.4	ug/Kg
79-01-6	Trichloroethene	1	U	1	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.4	ug/Kg
75-27-4	Bromodichloromethane	1.1	U	1.1	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.1	U	6.1	27.1	ug/Kg
108-88-3	Toluene	1.1	U	1.1	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.1	U	1.1	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	1.2	5.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2757
Lab Sample ID:	K2757-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062577.D	1		05/14/19 09:10	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.5	UQ	1.5	5.4	ug/Kg
591-78-6	2-Hexanone	8	U	8	27.1	ug/Kg
124-48-1	Dibromochloromethane	1.4	U	1.4	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.4	U	1.4	5.4	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	5.4	ug/Kg
108-90-7	Chlorobenzene	0.85	UQ	0.85	5.4	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	5.4	ug/Kg
179601-23-1	m/p-Xylenes	1.8	U	1.8	10.8	ug/Kg
95-47-6	o-Xylene	1.2	U	1.2	5.4	ug/Kg
100-42-5	Styrene	1.1	UQ	1.1	5.4	ug/Kg
75-25-2	Bromoform	3.5	U	3.5	5.4	ug/Kg
98-82-8	Isopropylbenzene	0.94	U	0.94	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	1.2	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.4	UQ	1.4	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	3.6	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.2	U	1.2	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	36.8		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.4		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301730	5.08			
540-36-3	1,4-Difluorobenzene	416962	5.8			
3114-55-4	Chlorobenzene-d5	322611	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	150560	12.62			

6/3/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2757
Lab Sample ID:	K2757-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.2
Sample Wt/Vol:	5.79 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062577.D	1		05/14/19 09:10	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2757
Lab Sample ID:	K2757-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	6.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062578.D	1		05/14/19 09:38	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	4.7	ug/Kg
74-87-3	Chloromethane	1.7	U	1.7	4.7	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	4.7	ug/Kg
74-83-9	Bromomethane	0.36	U	0.36	4.7	ug/Kg
75-00-3	Chloroethane	0.54	U	0.54	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.61	U	0.61	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.7	ug/Kg
67-64-1	Acetone	7.3	U	7.3	23.6	ug/Kg
75-15-0	Carbon Disulfide	1	U	1	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	1.3	4.7	ug/Kg
79-20-9	Methyl Acetate	2.7	U	2.7	4.7	ug/Kg
75-09-2	Methylene Chloride	4.9	U	4.9	9.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	1.2	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	UQ	0.86	4.7	ug/Kg
110-82-7	Cyclohexane	1.7	U	1.7	4.7	ug/Kg
78-93-3	2-Butanone	6.3	U	6.3	23.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	UQ	0.78	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	UQ	0.93	4.7	ug/Kg
74-97-5	Bromochloromethane	1.1	U	1.1	4.7	ug/Kg
67-66-3	Chloroform	0.82	U	0.82	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1	UQ	1	4.7	ug/Kg
108-87-2	Methylcyclohexane	1.1	U	1.1	4.7	ug/Kg
71-43-2	Benzene	0.79	U	0.79	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.1	U	1.1	4.7	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.2	U	1.2	4.7	ug/Kg
75-27-4	Bromodichloromethane	0.94	U	0.94	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.3	U	5.3	23.6	ug/Kg
108-88-3	Toluene	0.92	U	0.92	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.95	U	0.95	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1	U	1	4.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2757
Lab Sample ID:	K2757-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	6.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062578.D	1		05/14/19 09:38	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.3	UQ	1.3	4.7	ug/Kg
591-78-6	2-Hexanone	7	U	7	23.6	ug/Kg
124-48-1	Dibromochloromethane	1.2	U	1.2	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.2	U	1.2	4.7	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	0.66	4.7	ug/Kg
108-90-7	Chlorobenzene	0.74	UQ	0.74	4.7	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	4.7	ug/Kg
179601-23-1	m/p-Xylenes	1.6	U	1.6	9.5	ug/Kg
95-47-6	o-Xylene	1	U	1	4.7	ug/Kg
100-42-5	Styrene	0.94	UQ	0.94	4.7	ug/Kg
75-25-2	Bromoform	3.1	U	3.1	4.7	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1	U	1	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1	U	1	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.2	UQ	1.2	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	3.1	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.2	U	1.2	4.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	22.3	*	56 - 120	45%	SPK: 50
1868-53-7	Dibromofluoromethane	37.7		57 - 135	75%	SPK: 50
2037-26-5	Toluene-d8	34.7		67 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	19.4		33 - 141	39%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89235	5.08			
540-36-3	1,4-Difluorobenzene	92944	5.79			
3114-55-4	Chlorobenzene-d5	57839	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	17327	12.62			

6/3/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2757
Lab Sample ID:	K2757-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	6.66 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062578.D	1		05/14/19 09:38	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0002-01RE	SDG No.:	K2757
Lab Sample ID:	K2757-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062352.D	1		05/14/19 17:52	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.4	ug/Kg
74-87-3	Chloromethane	2.3	U	2.3	6.4	ug/Kg
75-01-4	Vinyl Chloride	1.4	U	1.4	6.4	ug/Kg
74-83-9	Bromomethane	0.48	UØ H	0.48	6.4	ug/Kg
75-00-3	Chloroethane	0.73	U H	0.73	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	0.82	U H	0.82	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	1	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
67-64-1	Acetone	9.8	U H	9.8	31.9	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	6.4	ug/Kg
79-20-9	Methyl Acetate	3.6	U	3.6	6.4	ug/Kg
75-09-2	Methylene Chloride	6.6	U	6.6	12.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	1.2	6.4	ug/Kg
110-82-7	Cyclohexane	2.3	U	2.3	6.4	ug/Kg
78-93-3	2-Butanone	8.5	U	8.5	31.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	U H	1.1	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	1.3	6.4	ug/Kg
74-97-5	Bromochloromethane	1.5	U	1.5	6.4	ug/Kg
67-66-3	Chloroform	1.1	U H	1.1	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.3	U	1.3	6.4	ug/Kg
108-87-2	Methylcyclohexane	1.5	U	1.5	6.4	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.5	U	1.5	6.4	ug/Kg
79-01-6	Trichloroethene	1.2	U	1.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.6	U	1.6	6.4	ug/Kg
75-27-4	Bromodichloromethane	1.3	U H	1.3	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.1	U	7.1	31.9	ug/Kg
108-88-3	Toluene	1.2	U	1.2	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.3	U	1.3	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.4	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0002-01RE	SDG No.:	K2757
Lab Sample ID:	K2757-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062352.D	1		05/14/19 17:52	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.8	U	1.8	6.4	ug/Kg
591-78-6	2-Hexanone	9.4	U	9.4	31.9	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	1.7	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.7	U	1.7	6.4	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	6.4	ug/Kg
108-90-7	Chlorobenzene	1	U	1	6.4	ug/Kg
100-41-4	Ethyl Benzene	1.1	U	1.1	6.4	ug/Kg
179601-23-1	m/p-Xylenes	2.1	U	2.1	12.7	ug/Kg
95-47-6	o-Xylene	1.4	U	1.4	6.4	ug/Kg
100-42-5	Styrene	1.3	U	1.3	6.4	ug/Kg
75-25-2	Bromoform	4.2	U	4.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	1.1	U	1.1	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.3	U	1.3	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.2	U	4.2	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	6.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	38.1		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.7		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	624990	7.07			
540-36-3	1,4-Difluorobenzene	829948	8.24			
3114-55-4	Chlorobenzene-d5	547148	12.38			
3855-82-1	1,4-Dichlorobenzene-d4	184351	14.53			

6/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0002-01RE	SDG No.:	K2757
Lab Sample ID:	K2757-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	20.6
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD062352.D	1		05/14/19 17:52	VD051419

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2757
Lab Sample ID:	K2757-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	4.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062579.D	1		05/14/19 10:06	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.2	U	1.2	6.7	ug/Kg
74-87-3	Chloromethane	2.4	U	2.4	6.7	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	1.5	6.7	ug/Kg
74-83-9	Bromomethane	0.51	U	0.51	6.7	ug/Kg
75-00-3	Chloroethane	0.78	U	0.78	6.7	ug/Kg
75-69-4	Trichlorofluoromethane	0.87	U	0.87	6.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.1	U	1.1	6.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	1.3	6.7	ug/Kg
67-64-1	Acetone	10.3	U	10.3	33.7	ug/Kg
75-15-0	Carbon Disulfide	1.4	U	1.4	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.9	U	1.9	6.7	ug/Kg
79-20-9	Methyl Acetate	3.8	U	3.8	6.7	ug/Kg
75-09-2	Methylene Chloride	7	U	7	13.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.7	U	1.7	6.7	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	UØ	1.2	6.7	ug/Kg
110-82-7	Cyclohexane	2.4	U	2.4	6.7	ug/Kg
78-93-3	2-Butanone	9	U	9	33.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.1	UØ	1.1	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	UØ	1.3	6.7	ug/Kg
74-97-5	Bromochloromethane	1.6	U	1.6	6.7	ug/Kg
67-66-3	Chloroform	1.2	U	1.2	6.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.4	UØ	1.4	6.7	ug/Kg
108-87-2	Methylcyclohexane	1.6	U	1.6	6.7	ug/Kg
71-43-2	Benzene	1.1	U	1.1	6.7	ug/Kg
107-06-2	1,2-Dichloroethane	1.6	U	1.6	6.7	ug/Kg
79-01-6	Trichloroethene	1.3	U	1.3	6.7	ug/Kg
78-87-5	1,2-Dichloropropane	1.7	U	1.7	6.7	ug/Kg
75-27-4	Bromodichloromethane	1.3	U	1.3	6.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.5	U	7.5	33.7	ug/Kg
108-88-3	Toluene	1.3	U	1.3	6.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.4	U	1.4	6.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	6.7	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2757
Lab Sample ID:	K2757-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	4.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062579.D	1		05/14/19 10:06	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.9	U~~Ø~~	1.9	6.7	ug/Kg
591-78-6	2-Hexanone	9.9	U	9.9	33.7	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	1.8	6.7	ug/Kg
106-93-4	1,2-Dibromoethane	1.8	U	1.8	6.7	ug/Kg
127-18-4	Tetrachloroethene	0.94	U	0.94	6.7	ug/Kg
108-90-7	Chlorobenzene	1.1	U~~Ø~~	1.1	6.7	ug/Kg
100-41-4	Ethyl Benzene	1.2	U	1.2	6.7	ug/Kg
179601-23-1	m/p-Xylenes	2.2	U	2.2	13.5	ug/Kg
95-47-6	o-Xylene	1.5	U	1.5	6.7	ug/Kg
100-42-5	Styrene	1.3	U~~Ø~~	1.3	6.7	ug/Kg
75-25-2	Bromoform	4.4	U	4.4	6.7	ug/Kg
98-82-8	Isopropylbenzene	1.2	U	1.2	6.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U	1.5	6.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	6.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.7	U~~Ø~~	1.7	6.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U	4.5	6.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	1.5	6.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.7	U	1.7	6.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	35.5		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.8		33 - 141	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282755	5.07			
540-36-3	1,4-Difluorobenzene	393985	5.79			
3114-55-4	Chlorobenzene-d5	297310	9.92			
3855-82-1	1,4-Dichlorobenzene-d4	128541	12.62			

6/3/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2757
Lab Sample ID:	K2757-07	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	14.9
Sample Wt/Vol:	4.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062579.D	1		05/14/19 10:06	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2757
Lab Sample ID:	K2757-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062580.D	1		05/14/19 10:34	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	5.1	ug/Kg
74-87-3	Chloromethane	1.8	U	1.8	5.1	ug/Kg
75-01-4	Vinyl Chloride	1.1	U	1.1	5.1	ug/Kg
74-83-9	Bromomethane	0.38	U	0.38	5.1	ug/Kg
75-00-3	Chloroethane	0.58	U	0.58	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	1	U	1	5.1	ug/Kg
67-64-1	Acetone	7.8	U	7.8	25.3	ug/Kg
75-15-0	Carbon Disulfide	1.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	1.4	5.1	ug/Kg
79-20-9	Methyl Acetate	2.8	U	2.8	5.1	ug/Kg
75-09-2	Methylene Chloride	5.3	U	5.3	10.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	U	1.3	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	0.92	UQ	0.92	5.1	ug/Kg
110-82-7	Cyclohexane	1.8	U	1.8	5.1	ug/Kg
78-93-3	2-Butanone	6.8	U	6.8	25.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	UQ	0.84	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1	UQ	1	5.1	ug/Kg
74-97-5	Bromochloromethane	1.2	U	1.2	5.1	ug/Kg
67-66-3	Chloroform	0.87	U	0.87	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	UQ	1.1	5.1	ug/Kg
108-87-2	Methylcyclohexane	1.2	U	1.2	5.1	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.2	U	1.2	5.1	ug/Kg
79-01-6	Trichloroethene	0.94	U	0.94	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.3	U	1.3	5.1	ug/Kg
75-27-4	Bromodichloromethane	1	U	1	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.7	U	5.7	25.3	ug/Kg
108-88-3	Toluene	0.99	U	0.99	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1	U	1	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	5.1	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2757
Lab Sample ID:	K2757-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062580.D	1		05/14/19 10:34	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	1.4	UQ*	1.4	5.1	ug/Kg
591-78-6	2-Hexanone	7.5	U	7.5	25.3	ug/Kg
124-48-1	Dibromochloromethane	1.3	U	1.3	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.3	U	1.3	5.1	ug/Kg
127-18-4	Tetrachloroethene	0.7	U	0.7	5.1	ug/Kg
108-90-7	Chlorobenzene	0.8	UQ	0.8	5.1	ug/Kg
100-41-4	Ethyl Benzene	0.86	U	0.86	5.1	ug/Kg
179601-23-1	m/p-Xylenes	1.7	U	1.7	10.1	ug/Kg
95-47-6	o-Xylene	1.1	U	1.1	5.1	ug/Kg
100-42-5	Styrene	1	UQ	1	5.1	ug/Kg
75-25-2	Bromoform	3.3	U	3.3	5.1	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.3	UQ	1.3	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	3.4	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	5.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.3	U	1.3	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	35.3		67 - 123	71%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.7		33 - 141	65%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	315642	5.08			
540-36-3	1,4-Difluorobenzene	447099	5.79			
3114-55-4	Chlorobenzene-d5	335905	9.93			
3855-82-1	1,4-Dichlorobenzene-d4	164462	12.63			

6/3/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2757
Lab Sample ID:	K2757-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF062580.D	1		05/14/19 10:34	VF051319

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	RB-190508	SDG No.:	K2757
Lab Sample ID:	K2757-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009423.D	1		05/09/19 13:28	VX050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5	ug/L
74-87-3	Chloromethane	0.3	U	0.3	5	ug/L
75-01-4	Vinyl Chloride	0.16	U	0.16	5	ug/L
74-83-9	Bromomethane	2.1	U	2.1	5	ug/L
75-00-3	Chloroethane	0.34	U	0.34	5	ug/L
75-69-4	Trichlorofluoromethane	0.16	U	0.16	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	U	0.21	5	ug/L
75-35-4	1,1-Dichloroethene	0.18	U	0.18	5	ug/L
67-64-1	Acetone	0.9	U	0.9	25	ug/L
75-15-0	Carbon Disulfide	0.23	U	0.23	5	ug/L
1634-04-4	Methyl tert-butyl Ether	0.07	U	0.07	5	ug/L
79-20-9	Methyl Acetate	0.65	U	0.65	5	ug/L
75-09-2	Methylene Chloride	0.33	U	0.33	5	ug/L
156-60-5	trans-1,2-Dichloroethene	0.24	U	0.24	5	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	0.17	5	ug/L
110-82-7	Cyclohexane	1.2	U	1.2	5	ug/L
78-93-3	2-Butanone	0.71	U	0.71	25	ug/L
56-23-5	Carbon Tetrachloride	0.22	U	0.22	5	ug/L
156-59-2	cis-1,2-Dichloroethene	0.3	U	0.3	5	ug/L
74-97-5	Bromochloromethane	0.31	U J	0.31	5	ug/L
67-66-3	Chloroform	0.14	U	0.14	5	ug/L
71-55-6	1,1,1-Trichloroethane	0.12	U	0.12	5	ug/L
108-87-2	Methylcyclohexane	0.17	U	0.17	5	ug/L
71-43-2	Benzene	0.1	U	0.1	5	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	0.13	5	ug/L
79-01-6	Trichloroethene	0.27	U	0.27	5	ug/L
78-87-5	1,2-Dichloropropane	0.14	U	0.14	5	ug/L
75-27-4	Bromodichloromethane	0.1	U	0.1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	0.85	U	0.85	25	ug/L
108-88-3	Toluene	0.12	U	0.12	5	ug/L
10061-02-6	t-1,3-Dichloropropene	0.19	U	0.19	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5	ug/L

6/3/19.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	RB-190508	SDG No.:	K2757
Lab Sample ID:	K2757-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009423.D	1		05/09/19 13:28	VX050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.12	U	0.12	5	ug/L
591-78-6	2-Hexanone	1.4	U	1.4	25	ug/L
124-48-1	Dibromochloromethane	0.16	U	0.16	5	ug/L
106-93-4	1,2-Dibromoethane	0.14	U	0.14	5	ug/L
127-18-4	Tetrachloroethene	0.15	U	0.15	5	ug/L
108-90-7	Chlorobenzene	0.08	U	0.08	5	ug/L
100-41-4	Ethyl Benzene	0.08	U	0.08	5	ug/L
179601-23-1	m/p-Xylenes	0.2	U	0.2	10	ug/L
95-47-6	o-Xylene	0.13	U	0.13	5	ug/L
100-42-5	Styrene	0.11	U	0.11	5	ug/L
75-25-2	Bromoform	0.15	U	0.15	5	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.15	U	0.15	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.14	U	0.14	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.12	U	0.12	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.54	U	0.54	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.24	U	0.24	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.26	U	0.26	5	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47		61 - 141	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48		69 - 133	96%	SPK: 50
2037-26-5	Toluene-d8	49		65 - 126	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		58 - 135	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187610	5.67			
540-36-3	1,4-Difluorobenzene	298520	6.86			
3114-55-4	Chlorobenzene-d5	257918	10.11			
3855-82-1	1,4-Dichlorobenzene-d4	106262	12.08			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	11.6	J		3.04	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/08/19
Client Sample ID:	RB-190508	SDG No.:	K2757
Lab Sample ID:	K2757-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX009423.D	1		05/09/19 13:28	VX050919

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2757	**OrderDate:**	5/9/2019 8:40:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2757-01	**P021-SS008-1218-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-01RE	**P021-SS008-1218-01RE**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-02	**P021-SS008-1824-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-03	**P021-SS009-0002-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-04	**P021-SS009-0206-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-05	**P021-SS009-0612-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-06	**P021-SS010-0002-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-06RE	**P021-SS010-0002-01RE**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	
K2757-07	**P021-SS010-0206-01**	**SOIL**			**05/08/19**			**05/08/19**
			VOC-TCLVOA-10	8260C			05/14/19	

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LAB CHRONICLE

K2757-08	**P021-SS010-0612-01**	**SOIL**			**05/08/19**		**05/08/19**
			VOC-TCLVOA-10	8260C		05/14/19	
K2757-09	**RB-190508**	**Water**			**05/08/19**		**05/08/19**
			VOC-TCLVOA-10	8260C		05/09/19	

SHIPPING DOCUMENTS

K2757

5

5.1

USEPA
DateShipped: 5/8/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050819-0370-0083-0001
Cooler #: 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS008-1218-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:36	3	Encore	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:36	1	4 oz glass w/ septum	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL VOCs (Solid)	5/8/2019	09:40	3	Encore	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:40	1	4 oz glass w/ septum	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	09:50	3	Encore	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:50	1	4 oz glass w/ septum	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	09:56	3	Encore	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	09:56	1	4 oz glass w/ septum	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	10:04	3	Encore	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:04	1	4 oz glass w/ septum	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL VOCs (Solid)	5/8/2019	10:12	3	Encore	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:12	1	4 oz glass w/ septum	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL VOCs (Solid)	5/8/2019	10:20	3	Encore	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:20	1	4 oz glass w/ septum	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	TCL VOCs (Solid)	5/8/2019	10:26	3	Encore	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	TCL VOCs/Percent Moisture (TAT 7 Days)	5/8/2019	10:26	1	4 oz glass w/ septum	4 C	N
	RB-190508	RB-190508	DI Water	TCL VOCs (Aq)	5/8/2019	11:00	2	40 mL VOA	4 C, HCl pH<2	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Weston RST 3	5/8/19 1630			
			[illegible]	5/8/19 1704	2.0c

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) George Lesnau		Log-in Date 5/8/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P021-SS008-1218-01	MA No. ~~0100105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.0 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/08/2019
12. Time Received	17:04

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P021-SS008-1218		K2757-01	Intact
2	P021-SS008-1824		K2757-02	Intact
3	P021-SS009-0002		K2757-03	Intact
4	P021-SS009-0206		K2757-04	Intact
5	P021-SS009-0612		K2757-05	Intact
6	P021-SS010-0002		K2757-06	Intact
7	P021-SS010-0206		K2757-07	Intact
8	P021-SS010-0612		K2757-08	Intact
9	RB-190508		K2757-09	Intact
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	Logbook No.
Date	Logbook Page No.

Weston Solutions, Inc.
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax: 732-225-7037
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

RST 3-05-F-0099

TRANSMITTAL MEMO

To:	Mr. David Rosoff, On-Scene Coordinator Removal Action Branch U.S. EPA, Region II
From:	Smita Sumbaly, Data Reviewer RST 3, Region II
Subject:	Route 203 Site Data Validation Assessment
Date:	June 20, 2019

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

  TCL SVOCs, RCRA Metals, and Mercury — 141 Samples

- Matrices and Number of Samples

  Soil — 138 Samples
  Rinsate Blanks — 3 Samples

- Sampling Dates: May 6 through 8, 2019

The final data assessment narrative and original analytical data package are attached.

cc:	RST 3 SPM:	Michael Lang
	RST 3 SITE FILE TDD #:	TO-0370-0083
	RST 3 ANALYTICAL TDD #:	TO-0370-0113
	TASK#:	5113

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: June 20, 2019

TO: Mr. David Rosoff, On-Scene Coordinator
U.S. EPA, Region II

FROM: Smita Sumbaly
RST 3 Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to the U.S. Environmental Protection Agency (EPA) standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Holding Time
Instrument Tuning	Calibration, Initial
Internal Standard	Calibration, Continuing
Blanks	Laboratory Control Sample
Surrogate Recovery	Sample Quantification
Compound Identification	

Any statistical measures used to support the following conclusions are attached so that the information may be reviewed by others.

Summary of Results

	I TCL SVOC	II RCRA Metals + Hg
Acceptable as Submitted	___	___
Acceptable with Comments	X	X
Unacceptable, Action Pending	___	___
Unacceptable	___	___

Data Reviewed by: Smita Sumbaly Date: 06/20/2019

Approved By: Date: 06/20/2019

Area Code/Phone No.: (732) 585-4410

NARRATIVE

RFP# 528/TASK No.: 5113

SITE NAME: **Route 203 Site**
5225-5239 Route 203
Nassau, Rensselaer County
New York

Laboratory Name: Chemtech Consulting Group, 284 Sheffield Street, Mountainside, New Jersey 07092.

INTRODUCTION:

The laboratory's portion of this case consisted of 138 soil samples and three rinsate blanks for Target Compound List (TCL) Semivolatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury, analyses. All samples were collected from May 6 through 8, 2019. The Chemtech Consulting Group Numbers are K2762, K2763, K2764, K2765, K2766, K2767, K2768, and K2769.

The laboratory reported no problem(s) with the receipt of these samples.

The laboratory reported no problems with the analyses of TCL SVOCs and RCRA Metals, including Mercury.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form Is and chain of custody have been copied from the original data package and appended to the data assessment narrative for reference.

Organic:

_Y_ Holding Time	_Y_ Instrument Tuning
_Y_ Calibration, Initial	_Y_ Internal Standard Response
_Y_ Calibration, Continuing	_Y_ Surrogate Recovery
_Y_ Blanks	_Y_ MS/MSD
_Y_ Laboratory Control Sample	_Y_ Compound Identification/Quantification
_Y_ Field Duplicate	_Y_ Data Completeness

Comments: Refer to Data Assessment Narrative.

Inorganic:

_Y_ Data Completeness	_Y_ Holding Time
_Y_ Calibration, Initial	_Y_ Matrix Spike
_Y_ Calibration, Continuing	_Y_ Laboratory Duplicate
_Y_ Blanks	_Y_ ICP Interference Check
_Y_ Laboratory Control Sample	_Y_ Serial Dilution
_Y_ Field Duplicate	

Comments: Refer to Data Assessment Narrative.

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2762

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 6/20/2019

Verified By: [signature] **Date:** 6/20/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2762				
P021-SS001-0002-01	K2762-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS001-0002-02[1]	K2762-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS001-0206-01	K2762-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS001-0612-01	K2762-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS001-1218-01	K2762-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS001-1824-01	K2762-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS002-0002-01	K2762-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS002-0206-01	K2762-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS002-0612-01	K2762-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS002-1218-01	K2762-12	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS002-1824-01	K2762-13	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS003-0002-01	K2762-14	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS003-0206-01	K2762-15	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS003-0612-01	K2762-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS003-1218-01	K2762-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS003-1824-01	K2762-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS004-0002-01	K2762-19	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS004-0206-01	K2762-20	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS004-0612-01	K2762-21	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
[1] A Field duplicate of P001-SS001-0002-01				

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10 percent recovery (%R), detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P021-SS001-0002-01 was used for MS/MSD analyses. The relative percent difference (RPD) exceeded the laboratory control limit of 20% for 4-chloroaniline, hexachlorocyclopentadiene, 4,6-dinitro-2-methyl phenol, 3'3-dichlorobenzidiene, and benzo(k) fluoranthene. Since, these compounds were not detected in sample P021-SS001-0002-01, no action was required.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of

contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

A laboratory artifact eluted around retention time 3.23 minutes in the soil method blank and was detected in some of the associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P021-SS002-1824-01, P021-SS003-0002-01, P021-SS003-0206-01, P021-SS003-0612-01, P021-SS003-1218-01, P021-SS003-1824-01, P021-SS004-0002-01, P021-SS004-0206-01, and P021-SS004-0612-01.

Laboratory artifact eluted around retention time 7.67 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P021-SS002-1824-01, P021-SS003-0002-01, P021-SS003-0206-01, P021-SS003-0612-01, P021-SS003-1218-01, P021-SS003-1824-01, P021-SS004-0002-01, P021-SS004-0206-01, and P021-SS004-0612-01.

Laboratory artifact eluted around retention time 3:23 and 7.67 minutes were detected in rinsate blank RB-190507 and associated soil samples. Since associated samples were previously rejected due to method blank contamination, no further action was required.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$.

Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>)20 for 2,4-dinitrophenol and initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/09/2019@ 18:31	CCV	2,4,5-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 2-Nitrophenol, Benzo(k)fluoranthene, Hexachlorobutadiene, and Benzaldehyde	P021-SS003-1218-01 P021-SS003-0612-01 P021-SS004-0612-01 P021-SS003-1824-01 P021-SS004-0206-01 P021-SS003-0206-01	J/UJ
5/10/2019@ 05:52	CCV	2,4,5-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline,	P021-SS004-0002-01 P021-SS002-1824-01 P021-SS003-0002-01	J/UJ

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
		2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, Hexachlorobutadiene, and Hexachlorobutadiene		

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

For field duplicate pair P021-SS001-0002-01 and P021-SS001-0002-02, the RPD was >50% for fluoranthene (57.6%). The positive result in sample P021-SS001-0002-01 and non-detect in field duplicate P021-SS001-0002-02 were estimated (J/UJ) for fluoranthene.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥]85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<]85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

- The laboratory control sample (LCS) analysis: No problems were found for this criterion.
- As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:
Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:
A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:
Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Arsenic, lead, and silver results in ICB and/or CCBs are greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). The associated sample results are either greater than CRQL or non-detected. Therefore, using professional judgment, no qualification was required.

The soil preparation blank contained lead and mercury at concentrations less than the CRQL. The associated sample results are either greater than CRQL or non-detected. Therefore, using professional judgment, no qualification was required.

No contaminants were detected in rinsate blank RB-190507 associated with SDG No. K2769.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:
The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recovery of silver was below the acceptance criteria in the MS/MSD analysis performed on sample P021-SS001-0002-01. The non-detected result for silver was qualified as estimated (UJ). The laboratory qualified all silver results with "N" due to the low recoveries of silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:
The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is <

5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P021-SS001-0002-01 and P021-SS001-0002-02 were analyzed and results were within applicable control limits. No data qualifiers were required.

8. LABORATORY CONTROL SAMPLE:
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:
The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS:
The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.
No problems were found for this criterion.

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-0002-01	P021-SS001-0002-02[1]	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01
Lab Sample ID	K2762-01	K2762-04	K2762-05	K2762-06	K2762-07
Sample weight (g)	30.07	30.06	30.11	30.15	30.05
Moisture (%)	20.1	18.8	17.1	15.7	14.2
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	120 U	120 U	120 U	110 U
Phenol	78.3 U	77 U	75.3 U	74 U	72.9 U
bis(2-Chloroethyl)ether	130 U	130 U	120 U	120 U	120 U
2-Chlorophenol	82.3 U	81 U	79.2 U	77.8 U	76.7 U
2-Methylphenol	87.7 U	86.3 U	84.4 U	82.9 U	81.7 U
2,2-oxybis(1-Chloropropane)	110 U	110 U	110 U	100 U	100 U
Acetophenone	120 U	110 U	110 U	110 U	110 U
3+4-Methylphenols	120 U	120 U	120 U	120 U	110 U
n-Nitroso-di-n-propylamine	170 U	170 U	160 U	160 U	160 U
Hexachloroethane	110 U	100 U	100 U	99.4 U	98 U
Nitrobenzene	54.1 U	53.2 U	52.1 U	51.1 U	50.4 U
Isophorone	45.8 U	45.1 U	44.1 U	43.3 U	42.6 U
2-Nitrophenol	95.3 U	93.8 U	91.7 U	90.1 U	88.8 U
2,4-Dimethylphenol	68.9 U	67.8 U	66.3 U	65.1 U	64.2 U
bis(2-Chloroethoxy)methane	64.2 U	63.2 U	61.8 U	60.7 U	59.9 U
2,4-Dichlorophenol	64 U	63 U	61.6 U	60.5 U	59.7 U
Naphthalene	62.1 U	61.2 U	59.8 U	58.7 U	57.9 U
4-Chloroaniline	170 U	170 U	170 U	160 U	160 U
Hexachlorobutadiene	75.9 U	74.7 U	73 U	71.7 U	70.7 U
Caprolactam	140 U	140 U	130 U	130 U	130 U
4-Chloro-3-methylphenol	73.9 U	72.7 U	71.1 U	69.8 U	68.8 U
2-Methylnaphthalene	76.8 U	75.6 U	73.9 U	72.6 U	71.6 U
Hexachlorocyclopentadiene	280 U	270 U	270 U	260 U	260 U
2,4,6-Trichlorophenol	75.5 U	74.3 U	72.7 U	71.4 U	70.4 U
2,4,5-Trichlorophenol	73.8 U	72.7 U	71.1 U	69.8 U	68.8 U
1,1-Biphenyl	130 U	130 U	120 U	120 U	120 U
2-Chloronaphthalene	94.1 U	92.6 U	90.6 U	89 U	87.7 U
2-Nitroaniline	86.8 U	85.4 U	83.6 U	82.1 U	80.9 U
Dimethylphthalate	**480**	**470**	**360 J**	**400**	**490**
Acenaphthylene	74.9 U	73.7 U	72.1 U	70.8 U	69.8 U
2,6-Dinitrotoluene	88.2 U	86.8 U	84.9 U	83.4 U	82.2 U
3-Nitroaniline	160 U	160 U	160 U	150 U	150 U
Acenaphthene	84.7 U	83.3 U	81.5 U	80 U	78.9 U
2,4-Dinitrophenol	110 U	110 U	110 U	100 U	100 U
4-Nitrophenol	80.6 U	79.4 U	77.6 U	76.2 U	75.1 U
Dibenzofuran	110 U	110 U	110 U	110 U	100 U
2,4-Dinitrotoluene	100 U	100 U	100 U	98.2 U	96.8 U
Diethylphthalate	78.9 U	77.7 U	76 U	74.6 U	73.6 U
4-Chlorophenyl-phenylether	100 U	100 U	100 U	98.5 U	97.1 U
Fluorene	63.6 U	62.6 U	61.2 U	60.1 U	59.3 U
4-Nitroaniline	110 U	110 U	110 U	100 U	100 U
4,6-Dinitro-2-methylphenol	87.2 U	85.8 U	83.9 U	82.4 U	81.2 U
n-Nitrosodiphenylamine	96.6 U	95.1 U	93 U	91.3 U	90 U
4-Bromophenyl-phenylether	70.4 U	69.3 U	67.8 U	66.6 U	65.6 U
Hexachlorobenzene	83 U	81.7 U	79.9 U	78.5 U	77.4 U
Atrazine	99.2 U	97.6 U	95.4 U	93.7 U	92.4 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-0002-01	P021-SS001-0002-02[1]	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01
Lab Sample ID	K2762-01	K2762-04	K2762-05	K2762-06	K2762-07
Sample weight (g)	30.07	30.06	30.11	30.15	30.05
Moisture (%)	20.1	18.8	17.1	15.7	14.2
Dilution Factor	1	1	1	1	1
Pentachlorophenol	130 U	130 U	130 U	130 U	120 U
Phenanthrene	71.2 U	70.1 U	68.6 U	67.3 U	66.4 U
Anthracene	69.6 U	68.5 U	67 U	65.8 U	64.9 U
Carbazole	110 U	110 U	110 U	110 U	100 U
Di-n-butylphthalate	120 U	120 U	120 U	120 U	110 U
Fluoranthene	**110 J**	60.8 UJ	59.4 U	58.4 U	57.6 U
Pyrene	**100 J**	74.8 U	**110 J**	**98.6 J**	70.8 U
Butylbenzylphthalate	79.7 U	78.4 U	76.7 U	75.3 U	74.2 U
3,3-Dichlorobenzidine	180 U	180 U	180 U	170 U	170 U
Benzo(a)anthracene	46.9 U	46.2 U	45.2 U	44.4 U	43.7 U
Chrysene	53.1 U	52.3 U	51.1 U	50.2 U	49.5 U
Bis(2-ethylhexyl)phthalate	110 U	110 U	110 U	110 U	110 U
Di-n-octyl phthalate	89 U	87.6 U	85.7 U	84.1 U	82.9 U
Benzo(b)fluoranthene	**87.3 J**	59.8 U	58.5 U	57.4 U	56.6 U
Benzo(k)fluoranthene	70.3 U	69.2 U	67.7 U	66.5 U	65.5 U
Benzo(a)pyrene	55.4 U	54.5 U	53.3 U	52.3 U	51.6 U
Indeno(1,2,3-cd)pyrene	90.3 U	88.9 U	86.9 U	85.3 U	84.1 U
Dibenzo(a,h)anthracene	65.3 U	64.3 U	62.9 U	61.7 U	60.9 U
Benzo(g,h,i)perylene	76.3 U	75.1 U	73.4 U	72.1 U	71.1 U
1,2,4,5-Tetrachlorobenzene	97.7 U	96.1 U	94 U	92.3 U	91 U
1,4-Dioxane	150 U	140 U	140 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	52 U	51.2 U	50 U	49.1 U	48.4 U

U: Not detected at the indicated concentration

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-1824-01	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01
Lab Sample ID	K2762-08	K2762-09	K2762-10	K2762-11	K2762-12
Sample weight (g)	30.1	30.14	30.04	30.09	30.13
Moisture (%)	15.1	12.7	16.7	11.6	17
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	110 U	120 U	110 U	120 U
Phenol	73.6 U	71.5 U	75.1 U	70.7 U	75.2 U
bis(2-Chloroethyl)ether	120 U	120 U	120 U	120 U	120 U
2-Chlorophenol	77.4 U	75.1 U	79 U	74.3 U	79 U
2-Methylphenol	82.4 U	80.1 U	84.2 U	79.2 U	84.2 U
2,2-oxybis(1-Chloropropane)	100 U	100 U	110 U	99.9 U	110 U
Acetophenone	110 U	110 U	110 U	100 U	110 U
3+4-Methylphenols	120 U	110 U	120 U	110 U	120 U
n-Nitroso-di-n-propylamine	160 U	160 U	160 U	150 U	160 U
Hexachloroethane	98.9 U	96.1 U	100 U	95 U	100 U
Nitrobenzene	50.9 U	49.4 U	51.9 U	48.9 U	52 U
Isophorone	43 U	41.8 U	43.9 U	41.3 U	44 U
2-Nitrophenol	89.6 U	87 U	91.5 U	86.1 U	91.6 U
2,4-Dimethylphenol	64.8 U	62.9 U	66.2 U	62.2 U	66.2 U
bis(2-Chloroethoxy)methane	60.4 U	58.6 U	61.7 U	58 U	61.7 U
2,4-Dichlorophenol	60.2 U	58.5 U	61.5 U	57.8 U	61.5 U
Naphthalene	58.4 U	56.7 U	59.7 U	56.1 U	59.7 U
4-Chloroaniline	160 U	160 U	160 U	160 U	170 U
Hexachlorobutadiene	71.3 U	69.3 U	72.8 U	68.5 U	72.9 U
Caprolactam	130 U	130 U	130 U	130 U	130 U
4-Chloro-3-methylphenol	69.5 U	67.5 U	70.9 U	66.7 U	71 U
2-Methylnaphthalene	72.2 U	70.1 U	73.7 U	69.4 U	73.8 U
Hexachlorocyclopentadiene	260 U	250 U	270 U	250 U	270 U
2,4,6-Trichlorophenol	71 U	68.9 U	72.5 U	68.2 U	72.5 U
2,4,5-Trichlorophenol	69.4 U	67.4 U	70.9 U	66.7 U	70.9 U
1,1-Biphenyl	120 U	120 U	120 U	120 U	120 U
2-Chloronaphthalene	88.5 U	85.9 U	90.4 U	85 U	90.4 U
2-Nitroaniline	81.6 U	79.3 U	83.3 U	78.4 U	83.4 U
Dimethylphthalate	**470**	**420**	**400**	**440**	**380 J**
Acenaphthylene	70.4 U	68.4 U	71.9 U	67.6 U	71.9 U
2,6-Dinitrotoluene	82.9 U	80.6 U	84.7 U	79.7 U	84.8 U
3-Nitroaniline	150 U	150 U	160 U	150 U	160 U
Acenaphthene	79.6 U	77.3 U	81.3 U	76.5 U	81.3 U
2,4-Dinitrophenol	100 U	99.9 U	110 U	98.8 U	110 U
4-Nitrophenol	75.8 U	73.6 U	77.4 U	72.8 U	77.5 U
Dibenzofuran	110 U	100 U	110 U	100 U	110 U
2,4-Dinitrotoluene	97.6 U	94.8 U	99.7 U	93.8 U	99.8 U
Diethylphthalate	74.2 U	72.1 U	75.8 U	71.3 U	75.8 U
4-Chlorophenyl-phenylether	97.9 U	95.1 U	100 U	94.1 U	100 U
Fluorene	59.8 U	58.1 U	61.1 U	57.4 U	61.1 U
4-Nitroaniline	100 U	99.8 U	100 U	98.7 U	110 U
4,6-Dinitro-2-methylphenol	81.9 U	79.6 U	83.7 U	78.7 U	83.7 U
n-Nitrosodiphenylamine	90.8 U	88.2 U	92.7 U	87.2 U	92.8 U
4-Bromophenyl-phenylether	66.2 U	64.3 U	67.6 U	63.6 U	67.7 U
Hexachlorobenzene	78.1 U	75.8 U	79.7 U	75 U	79.8 U
Atrazine	93.2 U	90.5 U	95.2 U	89.6 U	95.3 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-1824-01	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01
Lab Sample ID	K2762-08	K2762-09	K2762-10	K2762-11	K2762-12
Sample weight (g)	30.1	30.14	30.04	30.09	30.13
Moisture (%)	15.1	12.7	16.7	11.6	17
Dilution Factor	1	1	1	1	1
Pentachlorophenol	130 U	120 U	130 U	120 U	130 U
Phenanthrene	67 U	65.1 U	68.4 U	64.4 U	68.4 U
Anthracene	65.4 U	63.5 U	66.8 U	62.9 U	66.9 U
Carbazole	110 U	100 U	110 U	100 U	110 U
Di-n-butylphthalate	120 U	110 U	120 U	110 U	120 U
Fluoranthene	58.1 U	56.4 U	59.3 U	55.8 U	59.3 U
Pyrene	71.5 U	**100 J**	73 U	68.7 U	73 U
Butylbenzylphthalate	74.9 U	72.8 U	76.5 U	72 U	76.5 U
3,3-Dichlorobenzidine	170 U	170 U	180 U	170 U	180 U
Benzo(a)anthracene	44.1 U	42.9 U	45.1 U	42.4 U	45.1 U
Chrysene	49.9 U	48.5 U	51 U	48 U	51 U
Bis(2-ethylhexyl)phthalate	110 U	100 U	110 U	100 U	110 U
Di-n-octyl phthalate	83.7 U	81.3 U	85.5 U	80.4 U	85.5 U
Benzo(b)fluoranthene	57.1 U	55.4 U	58.3 U	54.9 U	58.3 U
Benzo(k)fluoranthene	66.1 U	64.2 U	67.5 U	63.5 U	67.6 U
Benzo(a)pyrene	52.1 U	50.6 U	53.2 U	50 U	53.2 U
Indeno(1,2,3-cd)pyrene	84.9 U	82.4 U	86.7 U	81.5 U	86.7 U
Dibenzo(a,h)anthracene	61.4 U	59.6 U	62.7 U	59 U	62.7 U
Benzo(g,h,i)perylene	71.7 U	69.7 U	73.3 U	68.9 U	73.3 U
1,2,4,5-Tetrachlorobenzene	91.8 U	89.2 U	93.8 U	88.2 U	93.8 U
1,4-Dioxane	140 U	130 U	140 U	130 U	140 U
2,3,4,6-Tetrachlorophenol	48.9 U	47.5 U	49.9 U	46.9 U	49.9 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS002-1824-01	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01
Lab Sample ID	K2762-13	K2762-14	K2762-15	K2762-16	K2762-17
Sample weight (g)	30.03	30.08	30.12	30.02	30.07
Moisture (%)	20.2	23.3	20.5	21.4	19.4
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	130 U	120 UJ	120 UJ	120 UJ
Phenol	78.5 U	81.5 U	78.5 U	**85.4 J**	77.6 U
bis(2-Chloroethyl)ether	130 U	130 U	130 U	130 U	130 U
2-Chlorophenol	82.5 U	85.7 U	82.6 U	83.8 U	81.6 U
2-Methylphenol	87.9 U	91.3 U	88 U	89.3 U	86.9 U
2,2-oxybis(1-Chloropropane)	110 U	120 U	110 U	110 U	110 U
Acetophenone	120 U	120 U	120 U	120 U	120 U
3+4-Methylphenols	120 U	130 U	120 U	120 U	120 U
n-Nitroso-di-n-propylamine	170 U	180 U	170 U	170 U	170 U
Hexachloroethane	110 U	110 U	110 U	110 U	100 U
Nitrobenzene	54.2 U	56.3 U	54.3 U	55.1 U	53.6 U
Isophorone	45.9 U	47.7 U	45.9 U	46.6 U	45.4 U
2-Nitrophenol	95.5 UJ	99.2 UJ	95.6 UJ	97 UJ	94.5 UJ
2,4-Dimethylphenol	69.1 U	71.8 U	69.1 U	70.2 U	68.3 U
bis(2-Chloroethoxy)methane	64.4 U	66.9 U	64.4 U	65.4 U	63.7 U
2,4-Dichlorophenol	64.2 UJ	66.7 UJ	64.2 UJ	65.2 UJ	63.5 UJ
Naphthalene	62.3 U	64.7 U	62.3 U	63.3 U	61.6 U
4-Chloroaniline	170 U	180 U	170 U	170 U	170 U
Hexachlorobutadiene	76 UJ	79 UJ	76.1 UJ	77.2 UJ	75.2 UJ
Caprolactam	140 U	150 U	140 U	140 U	140 U
4-Chloro-3-methylphenol	74.1 U	76.9 U	74.1 U	75.2 U	73.2 U
2-Methylnaphthalene	77 U	80 U	77 U	78.2 U	76.1 U
Hexachlorocyclopentadiene	280 U	290 U	280 U	280 U	270 U
2,4,6-Trichlorophenol	75.7 U	78.6 U	75.8 U	76.9 U	74.9 U
2,4,5-Trichlorophenol	74 UJ	76.9 UJ	74.1 UJ	75.2 UJ	73.2 UJ
1,1-Biphenyl	130 U	140 U	130 U	130 U	130 U
2-Chloronaphthalene	94.4 U	98 U	94.4 U	95.8 U	93.3 U
2-Nitroaniline	87 UJ	90.4 UJ	87.1 UJ	88.4 UJ	86.1 UJ
Dimethylphthalate	**500**	**470**	**700**	**270 J**	**450**
Acenaphthylene	75.1 U	78 U	75.1 U	76.2 U	74.2 U
2,6-Dinitrotoluene	88.5 UJ	91.9 UJ	88.5 UJ	89.8 UJ	87.5 UJ
3-Nitroaniline	160 UJ	170 UJ	160 U	160 U	160 U
Acenaphthene	84.9 U	88.2 U	84.9 U	86.2 U	83.9 U
2,4-Dinitrophenol	110 UJ	110 UJ	110 U	110 U	110 U
4-Nitrophenol	80.8 U	84 U	80.9 U	82.1 U	79.9 U
Dibenzofuran	110 U	120 U	110 U	110 U	110 U
2,4-Dinitrotoluene	100 UJ	110 UJ	100 UJ	110 UJ	100 UJ
Diethylphthalate	79.1 U	82.2 U	79.2 U	80.4 U	78.2 U
4-Chlorophenyl-phenylether	100 U	110 U	100 U	110 U	100 U
Fluorene	63.8 U	66.2 U	63.8 U	64.8 U	63 U
4-Nitroaniline	110 U	110 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	87.4 UJ	90.8 UJ	87.4 U	88.7 U	86.4 U
n-Nitrosodiphenylamine	96.8 U	100 U	96.9 U	98.3 U	95.7 U
4-Bromophenyl-phenylether	70.6 U	73.3 U	70.7 U	71.7 U	69.8 U
Hexachlorobenzene	83.3 U	86.5 U	83.3 U	84.6 U	82.3 U
Atrazine	99.4 U	100 U	99.5 U	100 U	98.3 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS002-1824-01	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01
Lab Sample ID	K2762-13	K2762-14	K2762-15	K2762-16	K2762-17
Sample weight (g)	30.03	30.08	30.12	30.02	30.07
Moisture (%)	20.2	23.3	20.5	21.4	19.4
Dilution Factor	1	1	1	1	1
Pentachlorophenol	130 U	140 U	130 U	140 U	130 U
Phenanthrene	71.4 U	74.2 U	71.5 U	72.5 U	70.6 U
Anthracene	69.8 U	72.5 U	69.8 U	70.9 U	69 U
Carbazole	110 U	120 U	110 U	110 U	110 U
Di-n-butylphthalate	120 U	130 U	120 U	130 U	120 U
Fluoranthene	61.9 U	64.3 U	62 U	62.9 U	61.2 U
Pyrene	76.2 U	79.2 U	76.3 U	77.4 U	75.4 U
Butylbenzylphthalate	79.9 U	83 U	79.9 U	81.1 U	79 U
3,3-Dichlorobenzidine	190 U	190 U	190 U	190 U	180 U
Benzo(a)anthracene	47.1 U	48.9 U	47.1 U	47.8 U	46.5 U
Chrysene	53.3 U	55.3 U	53.3 U	54.1 U	52.7 U
Bis(2-ethylhexyl)phthalate	120 U	120 U	120 U	120 U	110 U
Di-n-octyl phthalate	89.2 U	92.7 U	89.3 U	90.6 U	88.2 U
Benzo(b)fluoranthene	60.9 U	63.2 U	60.9 U	61.8 U	60.2 U
Benzo(k)fluoranthene	70.5 U	73.2 U	70.6 UJ	71.6 UJ	69.7 UJ
Benzo(a)pyrene	55.5 U	57.7 U	55.5 U	56.4 U	54.9 U
Indeno(1,2,3-cd)pyrene	90.5 U	94 U	90.6 U	91.9 U	89.5 U
Dibenzo(a,h)anthracene	65.5 U	68 U	65.5 U	66.5 U	64.7 U
Benzo(g,h,i)perylene	76.5 U	79.4 U	76.5 U	77.7 U	75.6 U
1,2,4,5-Tetrachlorobenzene	97.9 U	100 U	98 U	99.4 U	96.8 U
1,4-Dioxane	150 U	150 U	150 U	150 U	140 U
2,3,4,6-Tetrachlorophenol	52.1 U	54.1 U	52.1 U	52.9 U	51.5 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01
Lab Sample ID	K2762-18	K2762-19	K2762-20	K2762-21
Sample weight (g)	30.11	30.01	30.06	30.1
Moisture (%)	18.5	23.6	18.3	12.6
Dilution Factor	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	120 UJ	130 U	120 UJ	110 UJ
Phenol	76.6 U	82 U	76.6 U	71.5 U
bis(2-Chloroethyl)ether	130 U	140 U	130 U	120 U
2-Chlorophenol	80.6 U	86.2 U	80.5 U	75.1 U
2-Methylphenol	85.8 U	91.9 U	85.8 U	80.1 U
2,2-oxybis(1-Chloropropane)	110 U	120 U	110 U	100 U
Acetophenone	110 U	120 U	110 U	110 U
3+4-Methylphenols	120 U	130 U	120 U	110 U
n-Nitroso-di-n-propylamine	170 U	180 U	170 U	160 U
Hexachloroethane	100 U	110 U	100 U	96.1 U
Nitrobenzene	53 U	56.7 U	52.9 U	49.4 U
Isophorone	44.8 U	48 U	44.8 U	41.8 U
2-Nitrophenol	93.3 UJ	99.9 UJ	93.2 UJ	87 UJ
2,4-Dimethylphenol	67.5 U	72.2 U	67.4 U	62.9 U
bis(2-Chloroethoxy)methane	62.9 U	67.3 U	62.8 U	58.7 U
2,4-Dichlorophenol	62.7 UJ	67.1 UJ	62.6 UJ	58.5 UJ
Naphthalene	60.8 U	65.1 U	60.8 U	56.7 U
4-Chloroaniline	170 U	180 U	170 U	160 U
Hexachlorobutadiene	74.3 UJ	79.5 UJ	74.2 UJ	69.3 UJ
Caprolactam	140 U	150 U	140 U	130 U
4-Chloro-3-methylphenol	72.3 U	77.4 U	72.3 U	67.5 U
2-Methylnaphthalene	75.2 U	80.5 U	75.1 U	70.1 U
Hexachlorocyclopentadiene	270 U	290 U	270 U	250 U
2,4,6-Trichlorophenol	73.9 U	79.1 U	73.9 U	69 U
2,4,5-Trichlorophenol	72.3 UJ	77.4 UJ	72.2 UJ	67.4 UJ
1,1-Biphenyl	130 U	140 U	130 U	120 U
2-Chloronaphthalene	92.1 U	98.6 U	92.1 U	85.9 U
2-Nitroaniline	85 UJ	91 UJ	84.9 UJ	79.3 UJ
Dimethylphthalate	**540**	**770**	**560**	**550**
Acenaphthylene	73.3 U	78.4 U	73.2 U	68.4 U
2,6-Dinitrotoluene	86.4 UJ	92.5 UJ	86.3 UJ	80.6 UJ
3-Nitroaniline	160 U	170 UJ	160 U	150 U
Acenaphthene	82.9 U	88.7 U	82.8 U	77.3 U
2,4-Dinitrophenol	110 U	110 UJ	110 U	99.9 U
4-Nitrophenol	78.9 U	84.5 U	78.9 U	73.6 U
Dibenzofuran	110 U	120 U	110 U	100 U
2,4-Dinitrotoluene	100 UJ	110 UJ	100 UJ	94.9 UJ
Diethylphthalate	77.3 U	82.7 U	77.2 U	72.1 U
4-Chlorophenyl-phenylether	100 U	110 U	100 U	95.1 U
Fluorene	62.3 U	66.6 U	62.2 U	58.1 U
4-Nitroaniline	110 U	110 U	110 U	99.8 U
4,6-Dinitro-2-methylphenol	85.3 U	91.3 UJ	85.3 U	79.6 U
n-Nitrosodiphenylamine	94.6 U	100 U	94.5 U	88.2 U
4-Bromophenyl-phenylether	68.9 U	73.8 U	68.9 U	64.3 U
Hexachlorobenzene	81.3 U	87 U	81.2 U	75.8 U
Atrazine	97.1 U	100 U	97 U	90.6 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01
Lab Sample ID	K2762-18	K2762-19	K2762-20	K2762-21
Sample weight (g)	30.11	30.01	30.06	30.1
Moisture (%)	18.5	23.6	18.3	12.6
Dilution Factor	1	1	1	1
Pentachlorophenol	130 U	140 U	130 U	120 U
Phenanthrene	69.8 U	74.7 U	69.7 U	65.1 U
Anthracene	68.1 U	72.9 U	68.1 U	63.6 U
Carbazole	110 U	120 U	110 U	100 U
Di-n-butylphthalate	120 U	130 U	120 U	110 U
Fluoranthene	60.5 U	64.7 U	60.4 U	56.4 U
Pyrene	74.4 U	79.7 U	74.4 U	69.4 U
Butylbenzylphthalate	78 U	83.5 U	77.9 U	72.8 U
3,3-Dichlorobenzidine	180 U	190 U	180 U	170 U
Benzo(a)anthracene	46 U	49.2 U	45.9 U	42.9 U
Chrysene	52 U	55.7 U	52 U	48.5 U
Bis(2-ethylhexyl)phthalate	110 U	120 U	110 U	100 U
Di-n-octyl phthalate	87.1 U	93.3 U	87.1 U	81.3 U
Benzo(b)fluoranthene	59.5 U	63.6 U	59.4 U	55.5 U
Benzo(k)fluoranthene	68.8 UJ	73.7 U	68.8 UJ	64.2 UJ
Benzo(a)pyrene	54.2 U	58 U	54.2 U	50.6 U
Indeno(1,2,3-cd)pyrene	88.4 U	94.6 U	88.3 U	82.5 U
Dibenzo(a,h)anthracene	63.9 U	68.4 U	63.9 U	59.6 U
Benzo(g,h,i)perylene	74.7 U	79.9 U	74.6 U	69.7 U
1,2,4,5-Tetrachlorobenzene	95.6 U	100 U	95.5 U	89.2 U
1,4-Dioxane	140 U	150 U	140 U	130 U
2,+25:783,4,6-Tetrachlorophenol	50.9 U	54.5 U	50.8 U	47.5 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : K2762

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2762-01	P021-SS001-0002-01
K2762-02	K2762-01MS
K2762-03	K2762-01MSD
K2762-04	P021-SS001-0002-02
K2762-05	P021-SS001-0206-01
K2762-06	P021-SS001-0612-01
K2762-07	P021-SS001-1218-01
K2762-08	P021-SS001-1824-01
K2762-09	P021-SS002-0002-01
K2762-10	P021-SS002-0206-01
K2762-11	P021-SS002-0612-01
K2762-12	P021-SS002-1218-01
K2762-13	P021-SS002-1824-01
K2762-14	P021-SS003-0002-01
K2762-15	P021-SS003-0206-01
K2762-16	P021-SS003-0612-01
K2762-17	P021-SS003-1218-01
K2762-18	P021-SS003-1824-01
K2762-19	P021-SS004-0002-01
K2762-20	P021-SS004-0206-01
K2762-21	P021-SS004-0612-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date 5/16/2019

By Mildred V Reyes, QAQC Supervisor at 12:02 pm, May 16, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2762
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements .

The RPD for {K2762-03MSD} with File ID: BF114133.D met criteria except for 3,3-Dichlorobenzidine[48%], 4,6-Dinitro-2-methylphenol[38%], 4-Chloroaniline[40%], Benzo(k)fluoranthene[22%] and Hexachlorocyclopentadiene[27%] .

The Blank Spike met requirements .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine,2,4-Dinitrophenol these compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and ,2,4-Dinitrophenol & 4,6-Dinitro-2-methylphenol these compound are passing on Linear regression.

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The Continuous Calibration File ID BG040821.D met the requirements except for 2,4,5-Trichlorophenol,2,4-Dichlorophenol,2,4-Dinitrotoluene,2,6-Dinitrotoluene,2-Nitroaniline,2-Nitrophenol,Benzo(k)fluoranthene,Hexachlorobutadiene,2,4,6-Tribromophenol and Benzaldehyde. The failing compounds were not found in the associated samples.

The Continuous Calibration File ID BG040837.D met the requirements except for 2,4,5-Trichlorophenol,2,4-Dichlorophenol,2,4-Dinitrophenol,2,4-Dinitrotoluene,2,6-Dinitrotoluene,2-Nitroaniline,2-Nitrophenol,3-Nitroaniline,4,6-Dinitro-2-methylphenol,Hexachlorobutadiene and 2,4,6-Tribromophenol . The failing compounds were not found in the associated samples.

The Tuning criteria met requirements.

E. Additional Comments:

Concentration of SOIL Sample:

Concentration ug/Kg,
(dry weight basis) = $\frac{(Ax)\ (Is)\ (Vt)\ (DF)\ (GPC)}{(Ais)\ (\overline{RRF})\ (Vi)\ (Wt)\ (D)}$

Where,

Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.
D = % dry weight or $\frac{100 - \%Moisture}{100}$

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:02 pm, May 16, 2019

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114131.D	1	05/09/19 12:46	05/10/19 20:08	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.3	U	78.3	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.3	U	82.3	410	ug/Kg
95-48-7	2-Methylphenol	87.7	U	87.7	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.1	U	54.1	410	ug/Kg
78-59-1	Isophorone	45.8	U	45.8	410	ug/Kg
88-75-5	2-Nitrophenol	95.3	U	95.3	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.9	U	68.9	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.2	U	64.2	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64	U	64	410	ug/Kg
91-20-3	Naphthalene	62.1	U	62.1	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.9	U	75.9	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.9	U	73.9	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.8	U	76.8	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.5	U	75.5	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.8	U	73.8	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.1	U	94.1	410	ug/Kg
88-74-4	2-Nitroaniline	86.8	U	86.8	410	ug/Kg
131-11-3	Dimethylphthalate	480		63.1	410	ug/Kg
208-96-8	Acenaphthylene	74.9	U	74.9	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.2	U	88.2	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114131.D	1	05/09/19 12:46	05/10/19 20:08	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	84.7	U	84.7	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.6	U	80.6	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.9	U	78.9	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.6	U	63.6	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.2	U	87.2	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.6	U	96.6	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.4	U	70.4	410	ug/Kg
118-74-1	Hexachlorobenzene	83	U	83	410	ug/Kg
1912-24-9	Atrazine	99.2	U	99.2	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	71.2	U	71.2	410	ug/Kg
120-12-7	Anthracene	69.6	U	69.6	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	110	J-J	61.8	410	ug/Kg
129-00-0	Pyrene	100	J	76	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.7	U	79.7	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	46.9	U	46.9	410	ug/Kg
218-01-9	Chrysene	53.1	U	53.1	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89	U	89	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	J	60.7	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	70.3	U	70.3	410	ug/Kg
50-32-8	Benzo(a)pyrene	55.4	U	55.4	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.3	U	90.3	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.3	U	65.3	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114131.D	1	05/09/19 12:46	05/10/19 20:08	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	76.3	U	76.3	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.7	U	97.7	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	52	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.5		28 - 127	54%	SPK: 150
13127-88-3	Phenol-d6	90.5		34 - 127	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.2		31 - 132	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		39 - 123	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.2		30 - 133	52%	SPK: 150
1718-51-0	Terphenyl-d14	38.5		37 - 115	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	375532	6.85			
1146-65-2	Naphthalene-d8	1336130	8.13			
15067-26-2	Acenaphthene-d10	549874	9.89			
1517-22-2	Phenanthrene-d10	925808	11.37			
1719-03-5	Chrysene-d12	730194	14			
1520-96-3	Perylene-d12	631289	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~960~~	~~JB~~		~~2.14~~ R	ug/Kg
	unknown6.63	2600	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	540	J N		11.9	ug/Kg
000057-11-4	Octadecanoic acid	230	J N		12.68	ug/Kg
1000151-22-6	Cyclodocosane, ethyl-	390	J N		13.84	ug/Kg
000593-49-7	Heptacosane	110	J N		14.17	ug/Kg
000593-45-3	Octadecane	280	J N		14.48	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	300	J N		14.79	ug/Kg
000630-02-4	Octacosane	400	J N		15.94	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114131.D	1	05/09/19 12:46	05/10/19 20:08	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2762
Lab Sample ID:	K2762-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114181.D	1	05/09/19 12:46	05/12/19 03:57	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77	U	77	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81	U	81	410	ug/Kg
95-48-7	2-Methylphenol	86.3	U	86.3	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	110	U	110	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.2	U	53.2	410	ug/Kg
78-59-1	Isophorone	45.1	U	45.1	410	ug/Kg
88-75-5	2-Nitrophenol	93.8	U	93.8	410	ug/Kg
105-67-9	2,4-Dimethylphenol	67.8	U	67.8	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.2	U	63.2	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63	U	63	410	ug/Kg
91-20-3	Naphthalene	61.2	U	61.2	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	74.7	U	74.7	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72.7	U	72.7	410	ug/Kg
91-57-6	2-Methylnaphthalene	75.6	U	75.6	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.3	U	74.3	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.7	U	72.7	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	92.6	U	92.6	410	ug/Kg
88-74-4	2-Nitroaniline	85.4	U	85.4	410	ug/Kg
131-11-3	Dimethylphthalate	470		62.1	410	ug/Kg
208-96-8	Acenaphthylene	73.7	U	73.7	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.8	U	86.8	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2762
Lab Sample ID:	K2762-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114181.D	1	05/09/19 12:46	05/12/19 03:57	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.3	U	83.3	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.4	U	79.4	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	77.7	U	77.7	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	62.6	U	62.6	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.8	U	85.8	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.1	U	95.1	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.3	U	69.3	410	ug/Kg
118-74-1	Hexachlorobenzene	81.7	U	81.7	410	ug/Kg
1912-24-9	Atrazine	97.6	U	97.6	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	70.1	U	70.1	410	ug/Kg
120-12-7	Anthracene	68.5	U	68.5	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	60.8	U J	60.8	410	ug/Kg
129-00-0	Pyrene	74.8	U	74.8	410	ug/Kg
85-68-7	Butylbenzylphthalate	78.4	U	78.4	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	46.2	U	46.2	410	ug/Kg
218-01-9	Chrysene	52.3	U	52.3	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	87.6	U	87.6	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.8	U	59.8	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	69.2	U	69.2	410	ug/Kg
50-32-8	Benzo(a)pyrene	54.5	U	54.5	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.9	U	88.9	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.3	U	64.3	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2762
Lab Sample ID:	K2762-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114181.D	1	05/09/19 12:46	05/12/19 03:57	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	75.1	U	75.1	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.1	U	96.1	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.2	U	51.2	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.7		28 - 127	59%	SPK: 150
13127-88-3	Phenol-d6	98.6		34 - 127	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.6		31 - 132	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.3		39 - 123	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		30 - 133	58%	SPK: 150
1718-51-0	Terphenyl-d14	40.1		37 - 115	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	269981	6.85			
1146-65-2	Naphthalene-d8	1006680	8.13			
15067-26-2	Acenaphthene-d10	461030	9.88			
1517-22-2	Phenanthrene-d10	816003	11.37			
1719-03-5	Chrysene-d12	647737	14.01			
1520-96-3	Perylene-d12	644950	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.63	2800	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J N		11.9	ug/Kg
000057-11-4	Octadecanoic acid	230	J N		12.67	ug/Kg
018435-45-5	1-Nonadecene	600	J N		13.84	ug/Kg
000544-76-3	Hexadecane	110	J N		14.17	ug/Kg
000112-88-9	1-Octadecene	250	J N		14.48	ug/Kg
000593-49-7	Heptacosane	140	J N		14.78	ug/Kg
~~000111-02-4~~	~~Squalene~~ unknown 1	95.5	J		14.86	ug/Kg
000646-31-1	Tetracosane	250	J N		15.12	ug/Kg
000629-94-7	Heneicosane	230	J N		15.93	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2762
Lab Sample ID:	K2762-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114181.D	1	05/09/19 12:46	05/12/19 03:57	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114138.D	1	05/09/19 12:46	05/10/19 23:13	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.3	U	75.3	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	400	ug/Kg
95-57-8	2-Chlorophenol	79.2	U	79.2	400	ug/Kg
95-48-7	2-Methylphenol	84.4	U	84.4	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.1	U	52.1	400	ug/Kg
78-59-1	Isophorone	44.1	U	44.1	400	ug/Kg
88-75-5	2-Nitrophenol	91.7	U	91.7	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.3	U	66.3	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.8	U	61.8	400	ug/Kg
120-83-2	2,4-Dichlorophenol	61.6	U	61.6	400	ug/Kg
91-20-3	Naphthalene	59.8	U	59.8	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	73	U	73	400	ug/Kg
105-60-2	Caprolactam	130	U	130	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.1	U	71.1	400	ug/Kg
91-57-6	2-Methylnaphthalene	73.9	U	73.9	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.7	U	72.7	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	71.1	U	71.1	400	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	400	ug/Kg
91-58-7	2-Chloronaphthalene	90.6	U	90.6	400	ug/Kg
88-74-4	2-Nitroaniline	83.6	U	83.6	400	ug/Kg
131-11-3	Dimethylphthalate	360	J	60.7	400	ug/Kg
208-96-8	Acenaphthylene	72.1	U	72.1	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.9	U	84.9	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114138.D	1	05/09/19 12:46	05/10/19 23:13	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	81.5	U	81.5	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	77.6	U	77.6	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	76	U	76	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.2	U	61.2	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.9	U	83.9	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93	U	93	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.8	U	67.8	400	ug/Kg
118-74-1	Hexachlorobenzene	79.9	U	79.9	400	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	68.6	U	68.6	400	ug/Kg
120-12-7	Anthracene	67	U	67	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	59.4	U	59.4	400	ug/Kg
129-00-0	Pyrene	110	J	73.2	400	ug/Kg
85-68-7	Butylbenzylphthalate	76.7	U	76.7	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	45.2	U	45.2	400	ug/Kg
218-01-9	Chrysene	51.1	U	51.1	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	85.7	U	85.7	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.5	U	58.5	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.7	U	67.7	400	ug/Kg
50-32-8	Benzo(a)pyrene	53.3	U	53.3	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.9	U	86.9	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.9	U	62.9	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114138.D	1	05/09/19 12:46	05/10/19 23:13	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	73.4	U	73.4	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94	U	94	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	50	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81		28 - 127	54%	SPK: 150
13127-88-3	Phenol-d6	88.2		34 - 127	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	58		31 - 132	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.4		39 - 123	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.4		30 - 133	52%	SPK: 150
1718-51-0	Terphenyl-d14	45.4		37 - 115	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	293486	6.85			
1146-65-2	Naphthalene-d8	1040130	8.13			
15067-26-2	Acenaphthene-d10	438762	9.89			
1517-22-2	Phenanthrene-d10	823250	11.37			
1719-03-5	Chrysene-d12	621348	14			
1520-96-3	Perylene-d12	526467	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	800	JB		2.13	ug/Kg
	unknown6.63	2500	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J N		11.9	ug/Kg
000057-11-4	Octadecanoic acid	100	J N		12.68	ug/Kg
002136-70-1	Ethanol, 2-(tetradecyloxy)-	210	J N		13.85	ug/Kg
000630-02-4	Octacosane	110	J N		14.48	ug/Kg
000646-31-1	Tetracosane	170	J N		14.79	ug/Kg
~~007683-64-9~~	~~Supraene~~ unknown	130	J		14.86	ug/Kg
000593-49-7	Heptacosane	250	J N		15.12	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114138.D	1	05/09/19 12:46	05/10/19 23:13	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114137.D	1	05/09/19 12:46	05/10/19 22:47	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74	U	74	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.8	U	77.8	390	ug/Kg
95-48-7	2-Methylphenol	82.9	U	82.9	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	99.4	U	99.4	390	ug/Kg
98-95-3	Nitrobenzene	51.1	U	51.1	390	ug/Kg
78-59-1	Isophorone	43.3	U	43.3	390	ug/Kg
88-75-5	2-Nitrophenol	90.1	U	90.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.1	U	65.1	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.7	U	60.7	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.5	U	60.5	390	ug/Kg
91-20-3	Naphthalene	58.7	U	58.7	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.7	U	71.7	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.8	U	69.8	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.6	U	72.6	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.8	U	69.8	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89	U	89	390	ug/Kg
88-74-4	2-Nitroaniline	82.1	U	82.1	390	ug/Kg
131-11-3	Dimethylphthalate	400		59.6	390	ug/Kg
208-96-8	Acenaphthylene	70.8	U	70.8	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.4	U	83.4	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114137.D	1	05/09/19 12:46	05/10/19 22:47	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80	U	80	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.2	U	76.2	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.2	U	98.2	390	ug/Kg
84-66-2	Diethylphthalate	74.6	U	74.6	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	390	ug/Kg
86-73-7	Fluorene	60.1	U	60.1	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.4	U	82.4	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.3	U	91.3	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.6	U	66.6	390	ug/Kg
118-74-1	Hexachlorobenzene	78.5	U	78.5	390	ug/Kg
1912-24-9	Atrazine	93.7	U	93.7	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	67.3	U	67.3	390	ug/Kg
120-12-7	Anthracene	65.8	U	65.8	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	58.4	U	58.4	390	ug/Kg
129-00-0	Pyrene	98.6	J	71.9	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.3	U	75.3	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	44.4	U	44.4	390	ug/Kg
218-01-9	Chrysene	50.2	U	50.2	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84.1	U	84.1	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.4	U	57.4	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	66.5	U	66.5	390	ug/Kg
50-32-8	Benzo(a)pyrene	52.3	U	52.3	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.3	U	85.3	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.7	U	61.7	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114137.D	1	05/09/19 12:46	05/10/19 22:47	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	72.1	U	72.1	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.3	U	92.3	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.1	U	49.1	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85		28 - 127	57%	SPK: 150
13127-88-3	Phenol-d6	90.9		34 - 127	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.3		31 - 132	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.2		39 - 123	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.3		30 - 133	56%	SPK: 150
1718-51-0	Terphenyl-d14	47.7		37 - 115	48%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305928	6.85			
1146-65-2	Naphthalene-d8	1073830	8.13			
15067-26-2	Acenaphthene-d10	440049	9.89			
1517-22-2	Phenanthrene-d10	852315	11.37			
1719-03-5	Chrysene-d12	658343	14.01			
1520-96-3	Perylene-d12	564043	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	950	JB		2.14	ug/Kg
	unknown6.63	2500	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	280	J N		11.9	ug/Kg
000057-11-4	Octadecanoic acid	130	J N		12.68	ug/Kg
018835-32-0	1-Tricosene	220	J N		13.85	ug/Kg
000630-02-4	Octacosane	110	J N		14.48	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	160	J N		14.79	ug/Kg
000111-02-4	Squalene	250	J N		14.86	ug/Kg
~~000593-49-7~~	~~Heptacosane~~ unknown	110	J		15.93	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114137.D	1	05/09/19 12:46	05/10/19 22:47	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114130.D	1	05/09/19 12:46	05/10/19 19:41	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.9	U	72.9	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.7	U	76.7	380	ug/Kg
95-48-7	2-Methylphenol	81.7	U	81.7	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	98	U	98	380	ug/Kg
98-95-3	Nitrobenzene	50.4	U	50.4	380	ug/Kg
78-59-1	Isophorone	42.6	U	42.6	380	ug/Kg
88-75-5	2-Nitrophenol	88.8	U	88.8	380	ug/Kg
105-67-9	2,4-Dimethylphenol	64.2	U	64.2	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.9	U	59.9	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.7	U	59.7	380	ug/Kg
91-20-3	Naphthalene	57.9	U	57.9	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.7	U	70.7	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.8	U	68.8	380	ug/Kg
91-57-6	2-Methylnaphthalene	71.6	U	71.6	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.4	U	70.4	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.8	U	68.8	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.7	U	87.7	380	ug/Kg
88-74-4	2-Nitroaniline	80.9	U	80.9	380	ug/Kg
131-11-3	Dimethylphthalate	490		58.8	380	ug/Kg
208-96-8	Acenaphthylene	69.8	U	69.8	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.2	U	82.2	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114130.D	1	05/09/19 12:46	05/10/19 19:41	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.9	U	78.9	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	75.1	U	75.1	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.8	U	96.8	380	ug/Kg
84-66-2	Diethylphthalate	73.6	U	73.6	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.1	U	97.1	380	ug/Kg
86-73-7	Fluorene	59.3	U	59.3	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.2	U	81.2	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90	U	90	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.6	U	65.6	380	ug/Kg
118-74-1	Hexachlorobenzene	77.4	U	77.4	380	ug/Kg
1912-24-9	Atrazine	92.4	U	92.4	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	66.4	U	66.4	380	ug/Kg
120-12-7	Anthracene	64.9	U	64.9	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	57.6	U	57.6	380	ug/Kg
129-00-0	Pyrene	70.8	U	70.8	380	ug/Kg
85-68-7	Butylbenzylphthalate	74.2	U	74.2	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43.7	U	43.7	380	ug/Kg
218-01-9	Chrysene	49.5	U	49.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.9	U	82.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.6	U	56.6	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.5	U	65.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	51.6	U	51.6	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.1	U	84.1	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.9	U	60.9	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114130.D	1	05/09/19 12:46	05/10/19 19:41	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.1	U	71.1	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91	U	91	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.4	U	48.4	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.4		28 - 127	61%	SPK: 150
13127-88-3	Phenol-d6	98.4		34 - 127	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.6		31 - 132	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.4		39 - 123	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.2		30 - 133	59%	SPK: 150
1718-51-0	Terphenyl-d14	46.8		37 - 115	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	346967	6.85			
1146-65-2	Naphthalene-d8	1206970	8.13			
15067-26-2	Acenaphthene-d10	483334	9.89			
1517-22-2	Phenanthrene-d10	794746	11.37			
1719-03-5	Chrysene-d12	720778	14.02			
1520-96-3	Perylene-d12	762799	15.51			
TENTATIVE IDENTIFIED COMPOUNDS unknown						
~~000994-05-8~~	Butane, 2-methoxy-2-methyl-	850	JB		2.14	ug/Kg
	unknown6.63	2700	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	400	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	140	J		12.68	ug/Kg
018435-45-5	1-Nonadecene	360	J		13.86	ug/Kg
000629-94-7	Heneicosane	140	J		14.51	ug/Kg
000629-99-2	Pentacosane	170	J		14.83	ug/Kg
007683-64-9	Supraene	310	J		14.9	ug/Kg
000593-49-7	Heptacosane	250	J		15.16	ug/Kg
000629-97-0	Docosane	280	J		15.99	ug/Kg
000646-31-1	Tetracosane	120	J		16.49	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114130.D	1	05/09/19 12:46	05/10/19 19:41	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114129.D	1	05/09/19 12:46	05/10/19 19:15	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.6	U	73.6	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.4	U	77.4	390	ug/Kg
95-48-7	2-Methylphenol	82.4	U	82.4	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.9	U	98.9	390	ug/Kg
98-95-3	Nitrobenzene	50.9	U	50.9	390	ug/Kg
78-59-1	Isophorone	43	U	43	390	ug/Kg
88-75-5	2-Nitrophenol	89.6	U	89.6	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.4	U	60.4	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.2	U	60.2	390	ug/Kg
91-20-3	Naphthalene	58.4	U	58.4	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.3	U	71.3	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.5	U	69.5	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.2	U	72.2	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71	U	71	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.4	U	69.4	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.5	U	88.5	390	ug/Kg
88-74-4	2-Nitroaniline	81.6	U	81.6	390	ug/Kg
131-11-3	Dimethylphthalate	470		59.3	390	ug/Kg
208-96-8	Acenaphthylene	70.4	U	70.4	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.9	U	82.9	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114129.D	1	05/09/19 12:46	05/10/19 19:15	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.6	U	79.6	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.8	U	75.8	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.6	U	97.6	390	ug/Kg
84-66-2	Diethylphthalate	74.2	U	74.2	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.9	U	97.9	390	ug/Kg
86-73-7	Fluorene	59.8	U	59.8	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.9	U	81.9	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.8	U	90.8	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.2	U	66.2	390	ug/Kg
118-74-1	Hexachlorobenzene	78.1	U	78.1	390	ug/Kg
1912-24-9	Atrazine	93.2	U	93.2	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	67	U	67	390	ug/Kg
120-12-7	Anthracene	65.4	U	65.4	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	58.1	U	58.1	390	ug/Kg
129-00-0	Pyrene	71.5	U	71.5	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.9	U	74.9	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	44.1	U	44.1	390	ug/Kg
218-01-9	Chrysene	49.9	U	49.9	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.7	U	83.7	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.1	U	57.1	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	66.1	U	66.1	390	ug/Kg
50-32-8	Benzo(a)pyrene	52.1	U	52.1	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.9	U	84.9	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.4	U	61.4	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114129.D	1	05/09/19 12:46	05/10/19 19:15	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.7	U	71.7	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.8	U	91.8	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.9	U	48.9	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.8		28 - 127	59%	SPK: 150
13127-88-3	Phenol-d6	99.8		34 - 127	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.4		31 - 132	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	63		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.5		30 - 133	60%	SPK: 150
1718-51-0	Terphenyl-d14	52.1		37 - 115	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	348378	6.85			
1146-65-2	Naphthalene-d8	1279010	8.13			
15067-26-2	Acenaphthene-d10	564044	9.89			
1517-22-2	Phenanthrene-d10	952099	11.37			
1719-03-5	Chrysene-d12	723483	14.02			
1520-96-3	Perylene-d12	765869	15.5			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	710	JB		2.13	ug/Kg
	unknown6.62	2700	J		6.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	93.1	J		12.67	ug/Kg
000557-61-9	Octacosanol	440	J		13.85	ug/Kg
000593-45-3	Octadecane	140	J		14.5	ug/Kg
000638-68-6	Triacontane	130	J		14.82	ug/Kg
001560-88-9	Octadecane, 2-methyl-	330	J		15.16	ug/Kg
000112-95-8	Eicosane	290	J		15.97	ug/Kg
054833-23-7	Eicosane, 10-methyl-	120	J		16.48	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114129.D	1	05/09/19 12:46	05/10/19 19:15	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114134.D	1	05/09/19 12:46	05/10/19 21:28	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	71.5	U	71.5	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.1	U	75.1	380	ug/Kg
95-48-7	2-Methylphenol	80.1	U	80.1	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.1	U	96.1	380	ug/Kg
98-95-3	Nitrobenzene	49.4	U	49.4	380	ug/Kg
78-59-1	Isophorone	41.8	U	41.8	380	ug/Kg
88-75-5	2-Nitrophenol	87	U	87	380	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.6	U	58.6	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.5	U	58.5	380	ug/Kg
91-20-3	Naphthalene	56.7	U	56.7	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.3	U	69.3	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.5	U	67.5	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.1	U	70.1	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.9	U	68.9	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.4	U	67.4	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	85.9	U	85.9	380	ug/Kg
88-74-4	2-Nitroaniline	79.3	U	79.3	380	ug/Kg
131-11-3	Dimethylphthalate	420		57.6	380	ug/Kg
208-96-8	Acenaphthylene	68.4	U	68.4	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.6	U	80.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114134.D	1	05/09/19 12:46	05/10/19 21:28	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	77.3	U	77.3	380	ug/Kg
51-28-5	2,4-Dinitrophenol	99.9	U	99.9	380	ug/Kg
100-02-7	4-Nitrophenol	73.6	U	73.6	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.8	U	94.8	380	ug/Kg
84-66-2	Diethylphthalate	72.1	U	72.1	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	380	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	380	ug/Kg
100-01-6	4-Nitroaniline	99.8	U	99.8	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.2	U	88.2	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.3	U	64.3	380	ug/Kg
118-74-1	Hexachlorobenzene	75.8	U	75.8	380	ug/Kg
1912-24-9	Atrazine	90.5	U	90.5	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.1	U	65.1	380	ug/Kg
120-12-7	Anthracene	63.5	U	63.5	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.4	U	56.4	380	ug/Kg
129-00-0	Pyrene	100	J	69.4	380	ug/Kg
85-68-7	Butylbenzylphthalate	72.8	U	72.8	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	42.9	U	42.9	380	ug/Kg
218-01-9	Chrysene	48.5	U	48.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.3	U	81.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.4	U	55.4	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.2	U	64.2	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.6	U	50.6	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.4	U	82.4	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.6	U	59.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114134.D	1	05/09/19 12:46	05/10/19 21:28	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	69.7	U	69.7	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.2	U	89.2	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.5	U	47.5	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.9		28 - 127	52%	SPK: 150
13127-88-3	Phenol-d6	82.9		34 - 127	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	58		31 - 132	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.3		39 - 123	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.7		30 - 133	54%	SPK: 150
1718-51-0	Terphenyl-d14	51.9		37 - 115	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335541	6.85			
1146-65-2	Naphthalene-d8	1162450	8.13			
15067-26-2	Acenaphthene-d10	479248	9.89			
1517-22-2	Phenanthrene-d10	902773	11.37			
1719-03-5	Chrysene-d12	700123	14.02			
1520-96-3	Perylene-d12	573838	15.5			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.63	2200	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	660	J		11.9	ug/Kg
~~000463-40-1~~	~~9,12,15-Octadecatrienoic acid, (Z,~~ unknown	160	J		12.61	ug/Kg
000057-11-4	Octadecanoic acid	230	J		12.68	ug/Kg
077899-03-7	1-Heneicosyl formate	460	J		13.85	ug/Kg
000630-06-8	Hexatriacontane	270	J		14.5	ug/Kg
035599-77-0	Tridecane, 1-iodo-	360	J		14.81	ug/Kg
007683-64-9	Supraene	240	J		14.89	ug/Kg
	unknown15.11	220	J		15.11	ug/Kg
000593-49-7	Heptacosane	500	J		15.15	ug/Kg
000630-02-4	Octacosane	420	J		15.96	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114134.D	1	05/09/19 12:46	05/10/19 21:28	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114128.D	1	05/09/19 12:46	05/10/19 18:48	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.1	U	75.1	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	400	ug/Kg
95-57-8	2-Chlorophenol	79	U	79	400	ug/Kg
95-48-7	2-Methylphenol	84.2	U	84.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	51.9	U	51.9	400	ug/Kg
78-59-1	Isophorone	43.9	U	43.9	400	ug/Kg
88-75-5	2-Nitrophenol	91.5	U	91.5	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.2	U	66.2	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.7	U	61.7	400	ug/Kg
120-83-2	2,4-Dichlorophenol	61.5	U	61.5	400	ug/Kg
91-20-3	Naphthalene	59.7	U	59.7	400	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	400	ug/Kg
87-68-3	Hexachlorobutadiene	72.8	U	72.8	400	ug/Kg
105-60-2	Caprolactam	130	U	130	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.9	U	70.9	400	ug/Kg
91-57-6	2-Methylnaphthalene	73.7	U	73.7	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.5	U	72.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.9	U	70.9	400	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	400	ug/Kg
91-58-7	2-Chloronaphthalene	90.4	U	90.4	400	ug/Kg
88-74-4	2-Nitroaniline	83.3	U	83.3	400	ug/Kg
131-11-3	Dimethylphthalate	400		60.6	400	ug/Kg
208-96-8	Acenaphthylene	71.9	U	71.9	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.7	U	84.7	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114128.D	1	05/09/19 12:46	05/10/19 18:48	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	81.3	U	81.3	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	77.4	U	77.4	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.7	U	99.7	400	ug/Kg
84-66-2	Diethylphthalate	75.8	U	75.8	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.1	U	61.1	400	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.7	U	83.7	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.7	U	92.7	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.6	U	67.6	400	ug/Kg
118-74-1	Hexachlorobenzene	79.7	U	79.7	400	ug/Kg
1912-24-9	Atrazine	95.2	U	95.2	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	68.4	U	68.4	400	ug/Kg
120-12-7	Anthracene	66.8	U	66.8	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	59.3	U	59.3	400	ug/Kg
129-00-0	Pyrene	73	U	73	400	ug/Kg
85-68-7	Butylbenzylphthalate	76.5	U	76.5	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	45.1	U	45.1	400	ug/Kg
218-01-9	Chrysene	51	U	51	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	85.5	U	85.5	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.3	U	58.3	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.5	U	67.5	400	ug/Kg
50-32-8	Benzo(a)pyrene	53.2	U	53.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.7	U	62.7	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114128.D	1	05/09/19 12:46	05/10/19 18:48	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	73.3	U	73.3	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.8	U	93.8	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.9	U	49.9	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.6		28 - 127	64%	SPK: 150
13127-88-3	Phenol-d6	107		34 - 127	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.2		31 - 132	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		39 - 123	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.5		30 - 133	59%	SPK: 150
1718-51-0	Terphenyl-d14	55.4		37 - 115	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	319258	6.85			
1146-65-2	Naphthalene-d8	1020840	8.13			
15067-26-2	Acenaphthene-d10	515369	9.89			
1517-22-2	Phenanthrene-d10	905404	11.37			
1719-03-5	Chrysene-d12	603884	14.01			
1520-96-3	Perylene-d12	641277	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	720	JB		2.15	ug/Kg
	unknown6.62	3000	J		6.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.89	ug/Kg
1000155-85-3	Cyclohexadecane, 1,2-diethyl-	230	J		13.85	ug/Kg
021164-95-4	Hexadecane, 7,9-dimethyl-	110	J		14.5	ug/Kg
000629-94-7	Heneicosane	140	J		14.8	ug/Kg
007683-64-9	Supraene	110	J		14.88	ug/Kg
001560-88-9	Octadecane, 2-methyl-	210	J		15.14	ug/Kg
000630-02-4	Octacosane	300	J		15.96	ug/Kg
000629-99-2	Pentacosane	180	J		16.46	ug/Kg
000629-78-7	Heptadecane	89.9	J		17.05	ug/Kg
	unknown18.04	240	J		18.04	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114128.D	1	05/09/19 12:46	05/10/19 18:48	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114127.D	1	05/09/19 12:46	05/10/19 18:22	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	70.7	U	70.7	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.3	U	74.3	370	ug/Kg
95-48-7	2-Methylphenol	79.2	U	79.2	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.9	U	99.9	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	95	U	95	370	ug/Kg
98-95-3	Nitrobenzene	48.9	U	48.9	370	ug/Kg
78-59-1	Isophorone	41.3	U	41.3	370	ug/Kg
88-75-5	2-Nitrophenol	86.1	U	86.1	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.2	U	62.2	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58	U	58	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.8	U	57.8	370	ug/Kg
91-20-3	Naphthalene	56.1	U	56.1	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	68.5	U	68.5	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66.7	U	66.7	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.4	U	69.4	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.2	U	68.2	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	66.7	U	66.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85	U	85	370	ug/Kg
88-74-4	2-Nitroaniline	78.4	U	78.4	370	ug/Kg
131-11-3	Dimethylphthalate	440		57	370	ug/Kg
208-96-8	Acenaphthylene	67.6	U	67.6	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	79.7	U	79.7	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114127.D	1	05/09/19 12:46	05/10/19 18:22	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	370	ug/Kg
83-32-9	Acenaphthene	76.5	U	76.5	370	ug/Kg
51-28-5	2,4-Dinitrophenol	98.8	U	98.8	370	ug/Kg
100-02-7	4-Nitrophenol	72.8	U	72.8	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.8	U	93.8	370	ug/Kg
84-66-2	Diethylphthalate	71.3	U	71.3	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.1	U	94.1	370	ug/Kg
86-73-7	Fluorene	57.4	U	57.4	370	ug/Kg
100-01-6	4-Nitroaniline	98.7	U	98.7	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.7	U	78.7	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.2	U	87.2	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.6	U	63.6	370	ug/Kg
118-74-1	Hexachlorobenzene	75	U	75	370	ug/Kg
1912-24-9	Atrazine	89.6	U	89.6	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	64.4	U	64.4	370	ug/Kg
120-12-7	Anthracene	62.9	U	62.9	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	55.8	U	55.8	370	ug/Kg
129-00-0	Pyrene	68.7	U	68.7	370	ug/Kg
85-68-7	Butylbenzylphthalate	72	U	72	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	42.4	U	42.4	370	ug/Kg
218-01-9	Chrysene	48	U	48	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	80.4	U	80.4	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.9	U	54.9	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.5	U	63.5	370	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.5	U	81.5	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59	U	59	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114127.D	1	05/09/19 12:46	05/10/19 18:22	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	68.9	U	68.9	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.2	U	88.2	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.9	U	46.9	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		28 - 127	88%	SPK: 150
13127-88-3	Phenol-d6	104		34 - 127	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.9		31 - 132	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.8		39 - 123	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.7		30 - 133	66%	SPK: 150
1718-51-0	Terphenyl-d14	60.1		37 - 115	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	262368	6.85			
1146-65-2	Naphthalene-d8	1016930	8.13			
15067-26-2	Acenaphthene-d10	541419	9.89			
1517-22-2	Phenanthrene-d10	1010350	11.37			
1719-03-5	Chrysene-d12	655383	14			
1520-96-3	Perylene-d12	693993	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	~~Butane, 2-methoxy-2-methyl-~~	990	JB		2.16	ug/Kg
	unknown6.63	2800	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	280	J		11.89	ug/Kg
000057-11-4	Octadecanoic acid	98.9	J		12.68	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	270	J		13.85	ug/Kg
000593-45-3	Octadecane	150	J		14.49	ug/Kg
000630-02-4	Octacosane	160	J		14.8	ug/Kg
000111-02-4	Squalene	95.5	J		14.87	ug/Kg
015594-90-8	1-Heneicosanol	180	J		15.16	ug/Kg
000630-01-3	Hexacosane	410	J		15.95	ug/Kg
003452-07-1	1-Eicosene	130	J		16	ug/Kg
054833-23-7	Eicosane, 10-methyl-	180	J		16.46	ug/Kg
007390-81-0	Oxirane, hexadecyl-	100	J		16.74	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114127.D	1	05/09/19 12:46	05/10/19 18:22	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~000629-50-5~~	~~Tridecane~~ unknown	89.9	J		17.04	ug/Kg
	unknown17.54	86.5	J		17.54	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114125.D	1	05/09/19 12:46	05/10/19 17:29	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.2	U	75.2	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	400	ug/Kg
95-57-8	2-Chlorophenol	79	U	79	400	ug/Kg
95-48-7	2-Methylphenol	84.2	U	84.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52	U	52	400	ug/Kg
78-59-1	Isophorone	44	U	44	400	ug/Kg
88-75-5	2-Nitrophenol	91.6	U	91.6	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.2	U	66.2	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.7	U	61.7	400	ug/Kg
120-83-2	2,4-Dichlorophenol	61.5	U	61.5	400	ug/Kg
91-20-3	Naphthalene	59.7	U	59.7	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	72.9	U	72.9	400	ug/Kg
105-60-2	Caprolactam	130	U	130	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71	U	71	400	ug/Kg
91-57-6	2-Methylnaphthalene	73.8	U	73.8	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.5	U	72.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.9	U	70.9	400	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	400	ug/Kg
91-58-7	2-Chloronaphthalene	90.4	U	90.4	400	ug/Kg
88-74-4	2-Nitroaniline	83.4	U	83.4	400	ug/Kg
131-11-3	Dimethylphthalate	380	J	60.6	400	ug/Kg
208-96-8	Acenaphthylene	71.9	U	71.9	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.8	U	84.8	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114125.D	1	05/09/19 12:46	05/10/19 17:29	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	81.3	U	81.3	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	77.5	U	77.5	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	400	ug/Kg
84-66-2	Diethylphthalate	75.8	U	75.8	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.1	U	61.1	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.7	U	83.7	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.8	U	92.8	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.7	U	67.7	400	ug/Kg
118-74-1	Hexachlorobenzene	79.8	U	79.8	400	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	68.4	U	68.4	400	ug/Kg
120-12-7	Anthracene	66.9	U	66.9	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	59.3	U	59.3	400	ug/Kg
129-00-0	Pyrene	73	U	73	400	ug/Kg
85-68-7	Butylbenzylphthalate	76.5	U	76.5	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	45.1	U	45.1	400	ug/Kg
218-01-9	Chrysene	51	U	51	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	85.5	U	85.5	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.3	U	58.3	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.6	U	67.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	53.2	U	53.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.7	U	62.7	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114125.D	1	05/09/19 12:46	05/10/19 17:29	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	73.3	U	73.3	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.8	U	93.8	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.9	U	49.9	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.7		28 - 127	56%	SPK: 150
13127-88-3	Phenol-d6	92.8		34 - 127	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.4		31 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.3		39 - 123	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.5		30 - 133	60%	SPK: 150
1718-51-0	Terphenyl-d14	58.9		37 - 115	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	366113	6.85			
1146-65-2	Naphthalene-d8	985038	8.13			
15067-26-2	Acenaphthene-d10	431635	9.89			
1517-22-2	Phenanthrene-d10	839626	11.37			
1719-03-5	Chrysene-d12	551862	14.03			
1520-96-3	Perylene-d12	843272	15.54			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	1400	JB		2.15	ug/Kg
	unknown6.62	2600	J		6.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	560	J		11.9	ug/Kg
~~000124-03-8~~	~~Dimethylethylcetylammonium bromic~~ unknown	84	J		12.01	ug/Kg
000057-11-4	Octadecanoic acid	510	J		12.68	ug/Kg
1000309-12-7	Sulfurous acid, octadecyl 2-propyl	270	J		13.87	ug/Kg
000593-45-3	Octadecane	280	J		14.2	ug/Kg
000629-94-7	Heneicosane	790	J		14.53	ug/Kg
000629-97-0	Docosane	1300	J		14.85	ug/Kg
000111-02-4	Squalene	180	J		14.93	ug/Kg
000646-31-1	Tetracosane	1500	J		15.19	ug/Kg
000629-99-2	Pentacosane	610	J		16.02	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114125.D	1	05/09/19 12:46	05/10/19 17:29	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040848.D	1	05/09/19 12:46	05/10/19 12:49	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.5	U	78.5	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.5	U	82.5	410	ug/Kg
95-48-7	2-Methylphenol	87.9	U	87.9	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.2	U	54.2	410	ug/Kg
78-59-1	Isophorone	45.9	U	45.9	410	ug/Kg
88-75-5	2-Nitrophenol	95.5	UJ	95.5	410	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.4	U	64.4	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64.2	UJ	64.2	410	ug/Kg
91-20-3	Naphthalene	62.3	U	62.3	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	76	UJ	76	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.1	U	74.1	410	ug/Kg
91-57-6	2-Methylnaphthalene	77	U	77	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.7	U	75.7	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	UJ	74	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.4	U	94.4	410	ug/Kg
88-74-4	2-Nitroaniline	87	UJ	87	410	ug/Kg
131-11-3	Dimethylphthalate	500		63.2	410	ug/Kg
208-96-8	Acenaphthylene	75.1	U	75.1	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.5	UJ	88.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040848.D	1	05/09/19 12:46	05/10/19 12:49	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U J	160	410	ug/Kg
83-32-9	Acenaphthene	84.9	U	84.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.8	U	80.8	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U J	100	410	ug/Kg
84-66-2	Diethylphthalate	79.1	U	79.1	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.8	U	63.8	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.4	U J	87.4	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.8	U	96.8	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.6	U	70.6	410	ug/Kg
118-74-1	Hexachlorobenzene	83.3	U	83.3	410	ug/Kg
1912-24-9	Atrazine	99.4	U	99.4	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	71.4	U	71.4	410	ug/Kg
120-12-7	Anthracene	69.8	U	69.8	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	61.9	U	61.9	410	ug/Kg
129-00-0	Pyrene	76.2	U	76.2	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.9	U	79.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	410	ug/Kg
56-55-3	Benzo(a)anthracene	47.1	U	47.1	410	ug/Kg
218-01-9	Chrysene	53.3	U	53.3	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89.2	U	89.2	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.9	U	60.9	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	70.5	U	70.5	410	ug/Kg
50-32-8	Benzo(a)pyrene	55.5	U	55.5	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.5	U	90.5	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.5	U	65.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040848.D	1	05/09/19 12:46	05/10/19 12:49	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	76.5	U	76.5	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.9	U	97.9	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.1	U	52.1	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	140		28 - 127	93%	SPK: 150
13127-88-3	Phenol-d6	136		34 - 127	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.3		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.5		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		30 - 133	96%	SPK: 150
1718-51-0	Terphenyl-d14	77.8		37 - 115	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65245	8.14			
1146-65-2	Naphthalene-d8	281177	10.97			
15067-26-2	Acenaphthene-d10	203751	14.77			
1517-22-2	Phenanthrene-d10	498391	17.51			
1719-03-5	Chrysene-d12	477968	21.8			
1520-96-3	Perylene-d12	510278	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~700~~	~~JB~~		~~3.23~~ R	ug/Kg
	~~unknown7.67~~	~~4700~~	~~JB~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J N		18.37	ug/Kg
000057-11-4	Octadecanoic acid	280	J N		19.63	ug/Kg
001599-67-3	1-Docosene	390	J N		21.4	ug/Kg
~~104255-84-7~~	~~Docosanoic acid, tert-butyldimethy~~ unknown	100	J		22.64	ug/Kg
000629-94-7	Heneicosane	120	J N		23.29	ug/Kg
000638-68-6	Triacontane	110	J N		24.13	ug/Kg
000112-95-8	Eicosane	120	J N		26.3	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040848.D	1	05/09/19 12:46	05/10/19 12:49	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040849.D	1	05/09/19 12:46	05/10/19 13:27	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81.5	U	81.5	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	85.7	U	85.7	430	ug/Kg
95-48-7	2-Methylphenol	91.3	U	91.3	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.3	U	56.3	430	ug/Kg
78-59-1	Isophorone	47.7	U	47.7	430	ug/Kg
88-75-5	2-Nitrophenol	99.2	U J	99.2	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.8	U	71.8	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.9	U	66.9	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.7	U J	66.7	430	ug/Kg
91-20-3	Naphthalene	64.7	U	64.7	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	79	U J	79	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.9	U	76.9	430	ug/Kg
91-57-6	2-Methylnaphthalene	80	U	80	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.6	U	78.6	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.9	U J	76.9	430	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	430	ug/Kg
91-58-7	2-Chloronaphthalene	98	U	98	430	ug/Kg
88-74-4	2-Nitroaniline	90.4	U J	90.4	430	ug/Kg
131-11-3	Dimethylphthalate	470		65.7	430	ug/Kg
208-96-8	Acenaphthylene	78	U	78	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.9	U J	91.9	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040849.D	1	05/09/19 12:46	05/10/19 13:27	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U J	170	430	ug/Kg
83-32-9	Acenaphthene	88.2	U	88.2	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	430	ug/Kg
100-02-7	4-Nitrophenol	84	U	84	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U J	110	430	ug/Kg
84-66-2	Diethylphthalate	82.2	U	82.2	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66.2	U	66.2	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.8	U J	90.8	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73.3	U	73.3	430	ug/Kg
118-74-1	Hexachlorobenzene	86.5	U	86.5	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74.2	U	74.2	430	ug/Kg
120-12-7	Anthracene	72.5	U	72.5	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.3	U	64.3	430	ug/Kg
129-00-0	Pyrene	79.2	U	79.2	430	ug/Kg
85-68-7	Butylbenzylphthalate	83	U	83	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	48.9	U	48.9	430	ug/Kg
218-01-9	Chrysene	55.3	U	55.3	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	92.7	U	92.7	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63.2	U	63.2	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.2	U	73.2	430	ug/Kg
50-32-8	Benzo(a)pyrene	57.7	U	57.7	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94	U	94	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68	U	68	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040849.D	1	05/09/19 12:46	05/10/19 13:27	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79.4	U	79.4	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.1	U	54.1	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.9		28 - 127	58%	SPK: 150
13127-88-3	Phenol-d6	88.2		34 - 127	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.7		31 - 132	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.9		39 - 123	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.8		30 - 133	62%	SPK: 150
1718-51-0	Terphenyl-d14	54.4		37 - 115	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65978	8.14			
1146-65-2	Naphthalene-d8	267196	10.97			
15067-26-2	Acenaphthene-d10	194516	14.77			
1517-22-2	Phenanthrene-d10	458059	17.51			
1719-03-5	Chrysene-d12	436675	21.8			
1520-96-3	Perylene-d12	458405	25.16			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	510	JB		3.23 R	ug/Kg
000080-56-8	.alpha.-Pinene	220	J N		6.8	ug/Kg
018172-67-3	Bicyclo[3.1.1]heptane, 6,6-dimethy	210	J N		7.57	ug/Kg
	unknown7.67	3400	JB		7.67 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	190	J N		19.63	ug/Kg
066660-38-6	cis,trans-2-Ethylbicyclo[4.4.0]dec	1100	J		20.86	ug/Kg
001740-19-8	Dehydroabietic acid	390	J N		21.4	ug/Kg
014905-56-7	Tetradecane, 2,6,10-trimethyl-	200	J N		22.58	ug/Kg
1000348-57-0	Fumaric acid, 2-chloropropyl dodec	380	J N		22.62	ug/Kg
014811-95-1	1,19-Eicosadiene	690	J N		23.67	ug/Kg
000629-94-7	Heneicosane	1300	J N		24.13	ug/Kg
000557-61-9	Octacosanol	890	J N		24.22	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040849.D	1	05/09/19 12:46	05/10/19 13:27	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
077899-10-6	(Z)-14-Tricosenyl formate	1200	J N		25.68	ug/Kg
000112-95-8	Eicosane	590	J N		26.31	ug/Kg
~~1000351-83-4~~	~~Tricosyl heptafluorobutyrate~~ unknown	1100	J		26.46	ug/Kg
007390-81-0	Oxirane, hexadecyl-	1200	J N		28.57	ug/Kg
~~000559-70-6~~	~~beta.-Amyrin~~ unknown	360	J		31.99	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.5
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040831.D	1	05/09/19 12:46	05/10/19 00:50	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U J	120	410	ug/Kg
108-95-2	Phenol	78.5	U	78.5	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.6	U	82.6	410	ug/Kg
95-48-7	2-Methylphenol	88	U	88	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.3	U	54.3	410	ug/Kg
78-59-1	Isophorone	45.9	U	45.9	410	ug/Kg
88-75-5	2-Nitrophenol	95.6	U J	95.6	410	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.4	U	64.4	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64.2	U J	64.2	410	ug/Kg
91-20-3	Naphthalene	62.3	U	62.3	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	76.1	U J	76.1	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.1	U	74.1	410	ug/Kg
91-57-6	2-Methylnaphthalene	77	U	77	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.8	U	75.8	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.1	U J	74.1	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.4	U	94.4	410	ug/Kg
88-74-4	2-Nitroaniline	87.1	U J	87.1	410	ug/Kg
131-11-3	Dimethylphthalate	700		63.3	410	ug/Kg
208-96-8	Acenaphthylene	75.1	U	75.1	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.5	U J	88.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.5
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040831.D	1	05/09/19 12:46	05/10/19 00:50	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	84.9	U	84.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.9	U	80.9	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	79.2	U	79.2	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.8	U	63.8	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.4	U	87.4	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.9	U	96.9	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.7	U	70.7	410	ug/Kg
118-74-1	Hexachlorobenzene	83.3	U	83.3	410	ug/Kg
1912-24-9	Atrazine	99.5	U	99.5	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	71.5	U	71.5	410	ug/Kg
120-12-7	Anthracene	69.8	U	69.8	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	62	U	62	410	ug/Kg
129-00-0	Pyrene	76.3	U	76.3	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.9	U	79.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	410	ug/Kg
56-55-3	Benzo(a)anthracene	47.1	U	47.1	410	ug/Kg
218-01-9	Chrysene	53.3	U	53.3	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89.3	U	89.3	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.9	U	60.9	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	70.6	U	70.6	410	ug/Kg
50-32-8	Benzo(a)pyrene	55.5	U	55.5	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.6	U	90.6	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.5	U	65.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.5
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040831.D	1	05/09/19 12:46	05/10/19 00:50	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	76.5	U	76.5	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98	U	98	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.1	U	52.1	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		28 - 127	91%	SPK: 150
13127-88-3	Phenol-d6	138		34 - 127	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.2		31 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.5		39 - 123	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		30 - 133	94%	SPK: 150
1718-51-0	Terphenyl-d14	79.6		37 - 115	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53284	8.14			
1146-65-2	Naphthalene-d8	226815	10.96			
15067-26-2	Acenaphthene-d10	176161	14.77			
1517-22-2	Phenanthrene-d10	447944	17.51			
1719-03-5	Chrysene-d12	415912	21.8			
1520-96-3	Perylene-d12	437933	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~720~~	~~JB~~		~~3.23~~ R	ug/Kg
007785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]	900	J N		6.8	ug/Kg
000079-92-5	Camphene	97.3	J N		7.11	ug/Kg
000127-91-3	.beta.-Pinene	870	J N		7.56	ug/Kg
	~~unknown7.67~~	~~4500~~	~~JB~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J N		18.37	ug/Kg
000057-11-4	Octadecanoic acid	170	J N		19.63	ug/Kg
	unknown20.41	91	J		20.41	ug/Kg
000506-30-9	Eicosanoic acid	120	J N		20.7	ug/Kg
	unknown20.86	340	J		20.86	ug/Kg
~~001686-62-0~~	~~1-Phenanthrenecarboxylic acid, 7-e~~ unknown	350	J		21.26	ug/Kg
001740-19-8	Dehydroabietic acid	120	J N		21.39	ug/Kg
018435-45-5	1-Nonadecene	170	J N		21.43	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.5
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040831.D	1	05/09/19 12:46	05/10/19 00:50	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000514-10-3	Abietic acid	400	J N		21.7	ug/Kg
~~015912-68-2~~	~~6-Fluoro-4-hydroxy-2-methylquinoli~~ unknown	170	J		23.05	ug/Kg
~~000112-84-5~~	~~13-Docosenamide, (Z)-~~ unknown	170	J		23.29	ug/Kg
000112-95-8	Eicosane	120	J N		24.12	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040827.D	1	05/09/19 12:46	05/09/19 22:18	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U J	120	420	ug/Kg
108-95-2	Phenol	85.4	J	79.7	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	83.8	U	83.8	420	ug/Kg
95-48-7	2-Methylphenol	89.3	U	89.3	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	55.1	U	55.1	420	ug/Kg
78-59-1	Isophorone	46.6	U	46.6	420	ug/Kg
88-75-5	2-Nitrophenol	97	U J	97	420	ug/Kg
105-67-9	2,4-Dimethylphenol	70.2	U	70.2	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	65.4	U	65.4	420	ug/Kg
120-83-2	2,4-Dichlorophenol	65.2	U J	65.2	420	ug/Kg
91-20-3	Naphthalene	63.3	U	63.3	420	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	420	ug/Kg
87-68-3	Hexachlorobutadiene	77.2	U J	77.2	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75.2	U	75.2	420	ug/Kg
91-57-6	2-Methylnaphthalene	78.2	U	78.2	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.9	U	76.9	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.2	U J	75.2	420	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	420	ug/Kg
88-74-4	2-Nitroaniline	88.4	U J	88.4	420	ug/Kg
131-11-3	Dimethylphthalate	270	J	64.2	420	ug/Kg
208-96-8	Acenaphthylene	76.2	U	76.2	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.8	U J	89.8	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040827.D	1	05/09/19 12:46	05/09/19 22:18	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	420	ug/Kg
83-32-9	Acenaphthene	86.2	U	86.2	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	420	ug/Kg
100-02-7	4-Nitrophenol	82.1	U	82.1	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U J	110	420	ug/Kg
84-66-2	Diethylphthalate	80.4	U	80.4	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	64.8	U	64.8	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	88.7	U	88.7	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.3	U	98.3	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	71.7	U	71.7	420	ug/Kg
118-74-1	Hexachlorobenzene	84.6	U	84.6	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	72.5	U	72.5	420	ug/Kg
120-12-7	Anthracene	70.9	U	70.9	420	ug/Kg
86-74-8	Carbazole	110	U	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	420	ug/Kg
206-44-0	Fluoranthene	62.9	U	62.9	420	ug/Kg
129-00-0	Pyrene	77.4	U	77.4	420	ug/Kg
85-68-7	Butylbenzylphthalate	81.1	U	81.1	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	47.8	U	47.8	420	ug/Kg
218-01-9	Chrysene	54.1	U	54.1	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	90.6	U	90.6	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	61.8	U	61.8	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	71.6	U J	71.6	420	ug/Kg
50-32-8	Benzo(a)pyrene	56.4	U	56.4	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.9	U	91.9	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.5	U	66.5	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040827.D	1	05/09/19 12:46	05/09/19 22:18	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	77.7	U	77.7	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.4	U	99.4	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.9	U	52.9	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		28 - 127	96%	SPK: 150
13127-88-3	Phenol-d6	143		34 - 127	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.5		31 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		30 - 133	96%	SPK: 150
1718-51-0	Terphenyl-d14	83		37 - 115	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51088	8.14			
1146-65-2	Naphthalene-d8	220804	10.97			
15067-26-2	Acenaphthene-d10	172723	14.77			
1517-22-2	Phenanthrene-d10	449079	17.51			
1719-03-5	Chrysene-d12	422455	21.8			
1520-96-3	Perylene-d12	393591	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~780~~	~~JB~~		~~3.23~~ R	ug/Kg
000080-56-8	.alpha.-Pinene	570	J N		6.79	ug/Kg
	unknown7.66	4700	J		7.66	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J N		18.37	ug/Kg
000057-11-4	Octadecanoic acid	200	J N		19.63	ug/Kg
	unknown20.41	120	J		20.41	ug/Kg
	unknown20.85	470	J		20.85	ug/Kg
	unknown21.25	220	J		21.25	ug/Kg
000661-19-8	Behenic alcohol	160	J N		21.45	ug/Kg
000514-10-3	Abietic acid	230	J N		21.7	ug/Kg
000629-92-5	Nonadecane	98.3	J N		22.58	ug/Kg
000630-02-4	Octacosane	160	J N		23.29	ug/Kg
014905-56-7	Tetradecane, 2,6,10-trimethyl-	160	J N		24.13	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040827.D	1	05/09/19 12:46	05/09/19 22:18	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-94-7	Heneicosane	120	J N		26.3	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040826.D	1	05/09/19 12:46	05/09/19 21:40	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U J	120	410	ug/Kg
108-95-2	Phenol	77.6	U	77.6	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.6	U	81.6	410	ug/Kg
95-48-7	2-Methylphenol	86.9	U	86.9	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.6	U	53.6	410	ug/Kg
78-59-1	Isophorone	45.4	U	45.4	410	ug/Kg
88-75-5	2-Nitrophenol	94.5	U J	94.5	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.3	U	68.3	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.7	U	63.7	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.5	U J	63.5	410	ug/Kg
91-20-3	Naphthalene	61.6	U	61.6	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.2	U J	75.2	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.2	U	73.2	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.1	U	76.1	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.9	U	74.9	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.2	U J	73.2	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.3	U	93.3	410	ug/Kg
88-74-4	2-Nitroaniline	86.1	U J	86.1	410	ug/Kg
131-11-3	Dimethylphthalate	450		62.5	410	ug/Kg
208-96-8	Acenaphthylene	74.2	U	74.2	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.5	U J	87.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040826.D	1	05/09/19 12:46	05/09/19 21:40	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.9	U	83.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.9	U	79.9	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.2	U	78.2	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63	U	63	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.4	U	86.4	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.7	U	95.7	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.8	U	69.8	410	ug/Kg
118-74-1	Hexachlorobenzene	82.3	U	82.3	410	ug/Kg
1912-24-9	Atrazine	98.3	U	98.3	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	70.6	U	70.6	410	ug/Kg
120-12-7	Anthracene	69	U	69	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	61.2	U	61.2	410	ug/Kg
129-00-0	Pyrene	75.4	U	75.4	410	ug/Kg
85-68-7	Butylbenzylphthalate	79	U	79	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	46.5	U	46.5	410	ug/Kg
218-01-9	Chrysene	52.7	U	52.7	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.2	U	88.2	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.2	U	60.2	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	69.7	U	69.7	410	ug/Kg
50-32-8	Benzo(a)pyrene	54.9	U	54.9	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.5	U	89.5	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.7	U	64.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040826.D	1	05/09/19 12:46	05/09/19 21:40	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	75.6	U	75.6	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.8	U	96.8	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.5	U	51.5	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	113		34 - 127	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.4		31 - 132	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	61		39 - 123	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		30 - 133	71%	SPK: 150
1718-51-0	Terphenyl-d14	69		37 - 115	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47963	8.14			
1146-65-2	Naphthalene-d8	209082	10.96			
15067-26-2	Acenaphthene-d10	160430	14.77			
1517-22-2	Phenanthrene-d10	424740	17.51			
1719-03-5	Chrysene-d12	401832	21.8			
1520-96-3	Perylene-d12	325046	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~710~~	~~JB~~		~~3.23~~ R	ug/Kg
	~~unknown7.66~~	~~3700~~	~~J~~		~~7.66~~ R	ug/Kg
000112-95-8	Eicosane	85.8	J N		24.13	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040829.D	1	05/09/19 12:46	05/09/19 23:34	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U J	120	400	ug/Kg
108-95-2	Phenol	76.6	U	76.6	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	80.6	U	80.6	400	ug/Kg
95-48-7	2-Methylphenol	85.8	U	85.8	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	53	U	53	400	ug/Kg
78-59-1	Isophorone	44.8	U	44.8	400	ug/Kg
88-75-5	2-Nitrophenol	93.3	U J	93.3	400	ug/Kg
105-67-9	2,4-Dimethylphenol	67.5	U	67.5	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.9	U	62.9	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62.7	U J	62.7	400	ug/Kg
91-20-3	Naphthalene	60.8	U	60.8	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	74.3	U J	74.3	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72.3	U	72.3	400	ug/Kg
91-57-6	2-Methylnaphthalene	75.2	U	75.2	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.9	U	73.9	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.3	U J	72.3	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	92.1	U	92.1	400	ug/Kg
88-74-4	2-Nitroaniline	85	U J	85	400	ug/Kg
131-11-3	Dimethylphthalate	540		61.8	400	ug/Kg
208-96-8	Acenaphthylene	73.3	U	73.3	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.4	U J	86.4	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040829.D	1	05/09/19 12:46	05/09/19 23:34	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82.9	U	82.9	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	77.3	U	77.3	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	62.3	U	62.3	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.3	U	85.3	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.6	U	94.6	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.9	U	68.9	400	ug/Kg
118-74-1	Hexachlorobenzene	81.3	U	81.3	400	ug/Kg
1912-24-9	Atrazine	97.1	U	97.1	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	69.8	U	69.8	400	ug/Kg
120-12-7	Anthracene	68.1	U	68.1	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	60.5	U	60.5	400	ug/Kg
129-00-0	Pyrene	74.4	U	74.4	400	ug/Kg
85-68-7	Butylbenzylphthalate	78	U	78	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	400	ug/Kg
218-01-9	Chrysene	52	U	52	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	87.1	U	87.1	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.5	U	59.5	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	68.8	U	68.8	400	ug/Kg
50-32-8	Benzo(a)pyrene	54.2	U	54.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.4	U	88.4	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.9	U	63.9	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040829.D	1	05/09/19 12:46	05/09/19 23:34	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	74.7	U	74.7	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.6	U	95.6	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.9	U	50.9	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	141		28 - 127	95%	SPK: 150
13127-88-3	Phenol-d6	139		34 - 127	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.5		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		39 - 123	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 - 133	95%	SPK: 150
1718-51-0	Terphenyl-d14	85.6		37 - 115	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	48362	8.14			
1146-65-2	Naphthalene-d8	207223	10.96			
15067-26-2	Acenaphthene-d10	164171	14.77			
1517-22-2	Phenanthrene-d10	429763	17.51			
1719-03-5	Chrysene-d12	406761	21.8			
1520-96-3	Perylene-d12	375594	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane,-2-methoxy-2-methyl-~~	~~810~~	~~JB~~		~~8.23~~ R	ug/Kg
	~~unknown7.67~~	~~4500~~	~~JB~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J N		18.36	ug/Kg
000295-48-7	Cyclopentadecane	370	J N		21.43	ug/Kg
~~000593-49-7~~	~~Heptacosane~~ unknown	90.1	J		23.29	ug/Kg
000629-99-2	Pentacosane	170	J N		24.13	ug/Kg
000112-95-8	Eicosane	97	J N		26.3	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040829.D	1	05/09/19 12:46	05/09/19 23:34	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory Inl-house Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040843.D	1	05/09/19 12:46	05/10/19 09:39	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	82	U	82	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	430	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	430	ug/Kg
95-48-7	2-Methylphenol	91.9	U	91.9	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.7	U	56.7	430	ug/Kg
78-59-1	Isophorone	48	U	48	430	ug/Kg
88-75-5	2-Nitrophenol	99.9	U J	99.9	430	ug/Kg
105-67-9	2,4-Dimethylphenol	72.2	U	72.2	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.3	U	67.3	430	ug/Kg
120-83-2	2,4-Dichlorophenol	67.1	U J	67.1	430	ug/Kg
91-20-3	Naphthalene	65.1	U	65.1	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	79.5	U J	79.5	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	430	ug/Kg
91-57-6	2-Methylnaphthalene	80.5	U	80.5	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.4	U J	77.4	430	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	430	ug/Kg
91-58-7	2-Chloronaphthalene	98.6	U	98.6	430	ug/Kg
88-74-4	2-Nitroaniline	91	U J	91	430	ug/Kg
131-11-3	Dimethylphthalate	770		66.1	430	ug/Kg
208-96-8	Acenaphthylene	78.4	U	78.4	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.5	U J	92.5	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040843.D	1	05/09/19 12:46	05/10/19 09:39	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U J	170	430	ug/Kg
83-32-9	Acenaphthene	88.7	U	88.7	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	430	ug/Kg
100-02-7	4-Nitrophenol	84.5	U	84.5	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U J	110	430	ug/Kg
84-66-2	Diethylphthalate	82.7	U	82.7	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66.6	U	66.6	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	91.3	U J	91.3	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73.8	U	73.8	430	ug/Kg
118-74-1	Hexachlorobenzene	87	U	87	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74.7	U	74.7	430	ug/Kg
120-12-7	Anthracene	72.9	U	72.9	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.7	U	64.7	430	ug/Kg
129-00-0	Pyrene	79.7	U	79.7	430	ug/Kg
85-68-7	Butylbenzylphthalate	83.5	U	83.5	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	49.2	U	49.2	430	ug/Kg
218-01-9	Chrysene	55.7	U	55.7	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	93.3	U	93.3	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63.6	U	63.6	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.7	U	73.7	430	ug/Kg
50-32-8	Benzo(a)pyrene	58	U	58	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.6	U	94.6	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.4	U	68.4	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040843.D	1	05/09/19 12:46	05/10/19 09:39	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79.9	U	79.9	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.5	U	54.5	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	175		28 - 127	117%	SPK: 150
13127-88-3	Phenol-d6	171		34 - 127	114%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		31 - 132	119%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		39 - 123	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	181		30 - 133	121%	SPK: 150
1718-51-0	Terphenyl-d14	96.9		37 - 115	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49176	8.14			
1146-65-2	Naphthalene-d8	203191	10.96			
15067-26-2	Acenaphthene-d10	147148	14.77			
1517-22-2	Phenanthrene-d10	360813	17.51			
1719-03-5	Chrysene-d12	344088	21.8			
1520-96-3	Perylene-d12	354041	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~930~~	~~JB~~		~~3.23~~ R	ug/Kg
	~~unknown7.67~~	~~6200~~	~~JB~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J N		18.37	ug/Kg
000057-11-4	Octadecanoic acid	300	J N		19.63	ug/Kg
074685-33-9	3-Eicosene, (E)-	250	J N		21.4	ug/Kg
000544-76-3	Hexadecane	100	J N		22.58	ug/Kg
	unknown22.64	120	J		22.64	ug/Kg
000629-92-5	Nonadecane	160	J N		23.29	ug/Kg
~~004602-84-0~~	~~2,6,10-Dodecatrien-1-ol, 3,7,11-tr~~	100	J		23.49	ug/Kg
053057-53-7	1,21-Docosadiene	700	J N		23.67	ug/Kg
000630-01-3	Hexacosane	520	J N		24.13	ug/Kg
000297-03-0	Cyclotetracosane	1200	J N		24.22	ug/Kg
000638-66-4	Octadecanal	340	J N		25.68	ug/Kg

6/14/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040843.D	1	05/09/19 12:46	05/10/19 09:39	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-06-8	Hexatriacontane	540	J N		26.3	ug/Kg
007390-81-0	Oxirane, hexadecyl-	310	J N		28.56	ug/Kg

5/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040830.D	1	05/09/19 12:46	05/10/19 00:12	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	74.6	U	74.6	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.5	U	95.5	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.8	U	50.8	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	146		28 - 127	98%	SPK: 150
13127-88-3	Phenol-d6	144		34 - 127	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.7		31 - 132	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.4		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		30 - 133	100%	SPK: 150
1718-51-0	Terphenyl-d14	80.4		37 - 115	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51837	8.14			
1146-65-2	Naphthalene-d8	217842	10.97			
15067-26-2	Acenaphthene-d10	171090	14.77			
1517-22-2	Phenanthrene-d10	453619	17.51			
1719-03-5	Chrysene-d12	434815	21.8			
1520-96-3	Perylene-d12	403209	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	740	JB		3.23 R	ug/Kg
	unknown7.66	4700	J		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	89.6	J N		19.63	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040828.D	1	05/09/19 12:46	05/09/19 22:56	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U J	110	380	ug/Kg
108-95-2	Phenol	71.5	U	71.5	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.1	U	75.1	380	ug/Kg
95-48-7	2-Methylphenol	80.1	U	80.1	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.1	U	96.1	380	ug/Kg
98-95-3	Nitrobenzene	49.4	U	49.4	380	ug/Kg
78-59-1	Isophorone	41.8	U	41.8	380	ug/Kg
88-75-5	2-Nitrophenol	87	U J	87	380	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.7	U	58.7	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.5	U J	58.5	380	ug/Kg
91-20-3	Naphthalene	56.7	U	56.7	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.3	U J	69.3	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.5	U	67.5	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.1	U	70.1	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69	U	69	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.4	U J	67.4	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	85.9	U	85.9	380	ug/Kg
88-74-4	2-Nitroaniline	79.3	U J	79.3	380	ug/Kg
131-11-3	Dimethylphthalate	550		57.6	380	ug/Kg
208-96-8	Acenaphthylene	68.4	U	68.4	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.6	U J	80.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040828.D	1	05/09/19 12:46	05/09/19 22:56	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	77.3	U	77.3	380	ug/Kg
51-28-5	2,4-Dinitrophenol	99.9	U	99.9	380	ug/Kg
100-02-7	4-Nitrophenol	73.6	U	73.6	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.9	U	94.9	380	ug/Kg
84-66-2	Diethylphthalate	72.1	U	72.1	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	380	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	380	ug/Kg
100-01-6	4-Nitroaniline	99.8	U	99.8	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.2	U	88.2	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.3	U	64.3	380	ug/Kg
118-74-1	Hexachlorobenzene	75.8	U	75.8	380	ug/Kg
1912-24-9	Atrazine	90.6	U	90.6	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.1	U	65.1	380	ug/Kg
120-12-7	Anthracene	63.6	U	63.6	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.4	U	56.4	380	ug/Kg
129-00-0	Pyrene	69.4	U	69.4	380	ug/Kg
85-68-7	Butylbenzylphthalate	72.8	U	72.8	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	42.9	U	42.9	380	ug/Kg
218-01-9	Chrysene	48.5	U	48.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.3	U	81.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.5	U	55.5	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.2	U	64.2	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.6	U	50.6	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.5	U	82.5	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.6	U	59.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040828.D	1	05/09/19 12:46	05/09/19 22:56	PB119587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	69.7	U	69.7	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.2	U	89.2	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.5	U	47.5	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	149		28 - 127	100%	SPK: 150
13127-88-3	Phenol-d6	148		34 - 127	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.3		31 - 132	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	85		39 - 123	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		30 - 133	105%	SPK: 150
1718-51-0	Terphenyl-d14	89		37 - 115	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	48793	8.14			
1146-65-2	Naphthalene-d8	211577	10.96			
15067-26-2	Acenaphthene-d10	168787	14.77			
1517-22-2	Phenanthrene-d10	445099	17.52			
1719-03-5	Chrysene-d12	424951	21.79			
1520-96-3	Perylene-d12	392426	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	690	JB		3.23 R	ug/Kg
	unknown7.67	4300	JB		7.67 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J N		18.37	ug/Kg
015594-90-8	1-Heneicosanol	290	J N		21.42	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2762	**OrderDate:**	5/9/2019 9:48:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2762-01	**P021-SS001-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-04	**P021-SS001-0002-02**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/12/19	
K2762-05	**P021-SS001-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-06	**P021-SS001-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-07	**P021-SS001-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-08	**P021-SS001-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-09	**P021-SS002-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-10	**P021-SS002-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-11	**P021-SS002-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	

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LAB CHRONICLE

K2762-12	**P021-SS002-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-13	**P021-SS002-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-14	**P021-SS003-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-15	**P021-SS003-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-16	**P021-SS003-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/09/19	
K2762-17	**P021-SS003-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/09/19	
K2762-18	**P021-SS003-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/09/19	
K2762-19	**P021-SS004-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-20	**P021-SS004-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2762-21	**P021-SS004-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/09/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-0002-01	P021-SS001-0002-02[1]	P021-SS001-0206-01	P021-SS001-0612-01	P021-SS001-1218-01
Lab Sample ID	K2762-01	K2762-04	K2762-05	K2762-06	K2762-07
Sample Weight (g)	2.41	2.45	2.41	2.4	2.38
(Hg weight, g)	0.58	0.55	0.55	0.56	0.57
% Solid	79.9	81.2	82.9	84.3	85.8
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**3.32**	**2.96**	**3.67**	**4.1**	**3.69**
Barium	**95.4**	**85.2**	**98.3**	**115**	**104**
Cadmium	**0.471**	**0.274 J**	**0.274 J**	**0.489**	**1.06**
Chromium	**11**	**9.98**	**11**	**11.8**	**12.3**
Lead	**34.8**	**28.7**	**44**	**59.1**	**48.8**
Mercury	**0.03**	**0.026**	**0.033**	**0.044**	**0.042**
Selenium	0.33 U	0.319 U	0.318 U	0.314 U	0.311 U
Silver	0.043 UJ	0.042 U	0.041 U	0.041 U	0.04 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS001-1824-01	P021-SS002-0002-01	P021-SS002-0206-01	P021-SS002-0612-01	P021-SS002-1218-01
Lab Sample ID	K2762-08	K2762-09	K2762-10	K2762-11	K2762-12
Sample Weight (g)	2.35	2.36	2.38	2.45	2.42
(Hg weight, g)	0.54	0.56	0.56	0.57	0.56
% Solid	84.9	87.3	83.3	88.4	83
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**3.85**	**2.55**	**4.91**	**4.15**	**4.24**
Barium	**116**	**93.6**	**131**	**119**	**143**
Cadmium	**1.55**	**0.239 J**	0.024 U	0.022 U	0.024 U
Chromium	**14.9**	**8.79**	**12.2**	**13.3**	**15.5**
Lead	**59**	**19.1**	**27.6**	**29.5**	**21.5**
Mercury	**0.038**	**0.015**	**0.039**	**0.028**	**0.043**
Selenium	0.318 U	0.308 U	0.32 U	0.293 U	0.316 U
Silver	0.041 U	0.04 U	0.042 U	0.038 U	0.041 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[1]A field duplicate of P021-SS001-0002-01

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS002-1824-01	P021-SS003-0002-01	P021-SS003-0206-01	P021-SS003-0612-01	P021-SS003-1218-01
Lab Sample ID	K2762-13	K2762-14	K2762-15	K2762-16	K2762-17
Sample Weight (g)	2.43	2.4	2.37	2.37	2.39
(Hg weight, g)	0.54	0.58	0.55	0.56	0.56
% Solid	79.8	76.7	79.5	78.6	80.6
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**2.81**	**3.44**	**3.11**	**2.63**	**2.07**
Barium	**142**	**165**	**159**	**163**	**124**
Cadmium	0.025 U	0.026 U	0.025 U	0.026 U	0.025 U
Chromium	**9.47**	**8.39**	**8.29**	**8.99**	**8.88**
Lead	**12.5**	**69.9**	**29.9**	**11.6**	**8.7**
Mercury	**0.036**	**0.048**	**0.054**	**0.032**	**0.031**
Selenium	0.327 U	0.345 U	0.337 U	0.341 U	0.329 U
Silver	0.043 U	0.045 U	0.044 U	0.044 U	0.043 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS003-1824-01	P021-SS004-0002-01	P021-SS004-0206-01	P021-SS004-0612-01
Lab Sample ID	K2762-18	K2762-19	K2762-20	K2762-21
Sample Weight (g)	2.44	2.41	2.36	2.37
(Hg weight, g)	0.56	0.55	0.58	0.57
% Solid	81.5	76.4	81.7	87.4
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**2.68**	**3.61**	**3.27**	**3.6**
Barium	**84.2**	**141**	**115**	**79.4**
Cadmium	0.024 U	0.026 U	0.025 U	0.023 U
Chromium	**11.9**	**10.9**	**10.5**	**9.92**
Lead	**6.53**	**15.8**	**12.7**	**9.85**
Mercury	**0.038**	**0.05**	**0.052**	**0.063**
Selenium	0.319 U	0.345 U	0.329 U	0.306 U
Silver	0.042 U	0.045 U	**0.043** U	0.04 U

U - non-detected analyte

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2762
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P021-SS001-0002-01MS) analysis met criteria for all samples except for Silver.
The Matrix Spike Duplicate (P021-SS001-0002-01MSD) analysis met criteria for all samples except for Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Calculation:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

3. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,
C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:02 pm, May 16, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.32		1	0.201	1.04	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010
7440-39-3	Barium	95.4		1	0.433	5.19	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010
7440-43-9	Cadmium	0.471		1	0.025	0.312	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010
7440-47-3	Chromium	11		1	0.16	0.519	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010
7439-92-1	Lead	34.8		1	0.054	0.623	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010
7439-97-6	Mercury	0.03		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 12:59	SW7471B
7782-49-2	Selenium	0.33	U	1	0.33	1.04	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010
7440-22-4	Silver	0.043	U	1	0.043	0.519	mg/Kg	05/10/19 13:13	05/10/19 20:07	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0002-02	SDG No.:	K2762
Lab Sample ID:	K2762-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.96		1	0.194	1.01	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010
7440-39-3	Barium	85.2		1	0.419	5.03	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010
7440-43-9	Cadmium	0.274	J	1	0.024	0.302	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010
7440-47-3	Chromium	9.98		1	0.155	0.503	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010
7439-92-1	Lead	28.7		1	0.052	0.603	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010
7439-97-6	Mercury	0.026		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 13:12	SW7471B
7782-49-2	Selenium	0.319	U	1	0.319	1.01	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.503	mg/Kg	05/10/19 13:13	05/10/19 20:43	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.67		1	0.193	1	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010
7440-39-3	Barium	98.3		1	0.417	5.01	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010
7440-43-9	Cadmium	0.274	J	1	0.024	0.3	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010
7440-47-3	Chromium	11		1	0.154	0.501	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010
7439-92-1	Lead	44		1	0.052	0.601	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010
7439-97-6	Mercury	0.033		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:15	SW7471B
7782-49-2	Selenium	0.318	U	1	0.318	1	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.501	mg/Kg	05/10/19 13:13	05/10/19 20:47	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.1		1	0.191	0.989	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010
7440-39-3	Barium	115		1	0.412	4.94	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010
7440-43-9	Cadmium	0.489		1	0.024	0.297	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010
7440-47-3	Chromium	11.8		1	0.152	0.494	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010
7439-92-1	Lead	59.1		1	0.051	0.593	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010
7439-97-6	Mercury	0.044		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:17	SW7471B
7782-49-2	Selenium	0.314	U	1	0.314	0.989	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.494	mg/Kg	05/10/19 13:13	05/10/19 20:52	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.69		1	0.189	0.979	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010
7440-39-3	Barium	104		1	0.408	4.9	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010
7440-43-9	Cadmium	1.06		1	0.024	0.294	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010
7440-47-3	Chromium	12.3		1	0.151	0.49	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010
7439-92-1	Lead	48.8		1	0.051	0.588	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010
7439-97-6	Mercury	0.042		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 13:19	SW7471B
7782-49-2	Selenium	0.311	U	1	0.311	0.979	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.49	mg/Kg	05/10/19 13:13	05/10/19 20:56	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS001-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.85		1	0.194	1	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010
7440-39-3	Barium	116		1	0.418	5.01	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010
7440-43-9	Cadmium	1.55		1	0.024	0.301	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010
7440-47-3	Chromium	14.9		1	0.154	0.501	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010
7439-92-1	Lead	59		1	0.052	0.601	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010
7439-97-6	Mercury	0.038		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:21	SW7471B
7782-49-2	Selenium	0.318	U	1	0.318	1	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.501	mg/Kg	05/10/19 13:13	05/10/19 21:01	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.3

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.55		1	0.188	0.971	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010
7440-39-3	Barium	93.6		1	0.405	4.85	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010
7440-43-9	Cadmium	0.239	J	1	0.023	0.291	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010
7440-47-3	Chromium	8.79		1	0.149	0.485	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010
7439-92-1	Lead	19.1		1	0.05	0.582	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010
7439-97-6	Mercury	0.015		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 13:24	SW7471B
7782-49-2	Selenium	0.308	U	1	0.308	0.971	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.485	mg/Kg	05/10/19 13:13	05/10/19 21:14	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.91		1	0.195	1.01	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010
7440-39-3	Barium	131		1	0.421	5.04	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.303	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010
7440-47-3	Chromium	12.2		1	0.155	0.504	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010
7439-92-1	Lead	27.6		1	0.052	0.605	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010
7439-97-6	Mercury	0.039		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:26	SW7471B
7782-49-2	Selenium	0.32	U	1	0.32	1.01	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.504	mg/Kg	05/10/19 13:13	05/10/19 21:19	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.15		1	0.178	0.923	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010
7440-39-3	Barium	119		1	0.385	4.62	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010
7440-43-9	Cadmium	0.022	U	1	0.022	0.277	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010
7440-47-3	Chromium	13.3		1	0.142	0.462	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010
7439-92-1	Lead	29.5		1	0.048	0.554	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010
7439-97-6	Mercury	0.028		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 13:33	SW7471B
7782-49-2	Selenium	0.293	U	1	0.293	0.923	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.462	mg/Kg	05/10/19 13:13	05/10/19 21:23	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.24		1	0.192	0.996	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010
7440-39-3	Barium	143		1	0.415	4.98	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.299	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010
7440-47-3	Chromium	15.5		1	0.153	0.498	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010
7439-92-1	Lead	21.5		1	0.052	0.597	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010
7439-97-6	Mercury	0.043		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:35	SW7471B
7782-49-2	Selenium	0.316	U	1	0.316	0.996	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.498	mg/Kg	05/10/19 13:13	05/10/19 21:28	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS002-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.81		1	0.199	1.03	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010
7440-39-3	Barium	142		1	0.43	5.16	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.309	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010
7440-47-3	Chromium	9.47		1	0.159	0.516	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010
7439-92-1	Lead	12.5		1	0.053	0.619	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010
7439-97-6	Mercury	0.036		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 13:37	SW7471B
7782-49-2	Selenium	0.327	U	1	0.327	1.03	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.516	mg/Kg	05/10/19 13:13	05/10/19 21:32	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.44		1	0.21	1.09	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010
7440-39-3	Barium	165		1	0.453	5.43	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.326	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010
7440-47-3	Chromium	8.39		1	0.167	0.543	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010
7439-92-1	Lead	69.9		1	0.056	0.652	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010
7439-97-6	Mercury	0.048		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 13:40	SW7471B
7782-49-2	Selenium	0.345	U	1	0.345	1.09	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010
7440-22-4	Silver	0.045	U~~N~~	1	0.045	0.543	mg/Kg	05/10/19 13:13	05/10/19 21:37	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.5

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.11		1	0.205	1.06	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010
7440-39-3	Barium	159		1	0.442	5.31	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.318	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010
7440-47-3	Chromium	8.29		1	0.163	0.531	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010
7439-92-1	Lead	29.9		1	0.055	0.637	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010
7439-97-6	Mercury	0.054		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 13:42	SW7471B
7782-49-2	Selenium	0.337	U	1	0.337	1.06	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010
7440-22-4	Silver	0.044	U~~N~~	1	0.044	0.531	mg/Kg	05/10/19 13:13	05/10/19 21:42	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.63		1	0.207	1.07	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010
7440-39-3	Barium	163		1	0.448	5.37	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.322	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010
7440-47-3	Chromium	8.99		1	0.165	0.537	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010
7439-92-1	Lead	11.6		1	0.056	0.644	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010
7439-97-6	Mercury	0.032		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 13:44	SW7471B
7782-49-2	Selenium	0.341	U	1	0.341	1.07	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.537	mg/Kg	05/10/19 13:13	05/10/19 21:46	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1218-01	SDG No.:	K2762
Lab Sample ID:	K2762-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.6

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.07		1	0.201	1.04	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010
7440-39-3	Barium	124		1	0.433	5.19	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.311	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010
7440-47-3	Chromium	8.88		1	0.16	0.519	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010
7439-92-1	Lead	8.7		1	0.054	0.623	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010
7439-97-6	Mercury	0.031		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 13:46	SW7471B
7782-49-2	Selenium	0.329	U	1	0.329	1.04	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.519	mg/Kg	05/10/19 13:13	05/10/19 21:51	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS003-1824-01	SDG No.:	K2762
Lab Sample ID:	K2762-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.68		1	0.194	1.01	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010
7440-39-3	Barium	84.2		1	0.419	5.03	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.302	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010
7440-47-3	Chromium	11.9		1	0.155	0.503	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010
7439-92-1	Lead	6.53		1	0.052	0.603	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010
7439-97-6	Mercury	0.038		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:49	SW7471B
7782-49-2	Selenium	0.319	U	1	0.319	1.01	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.503	mg/Kg	05/10/19 13:13	05/10/19 21:55	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0002-01	SDG No.:	K2762
Lab Sample ID:	K2762-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.61		1	0.21	1.09	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010
7440-39-3	Barium	141		1	0.453	5.43	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.326	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010
7440-47-3	Chromium	10.9		1	0.167	0.543	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010
7439-92-1	Lead	15.8		1	0.056	0.652	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010
7439-97-6	Mercury	0.05		1	0.003	0.017	mg/Kg	05/09/19 17:06	05/10/19 13:51	SW7471B
7782-49-2	Selenium	0.345	U	1	0.345	1.09	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010
7440-22-4	Silver	0.045	UN*	1	0.045	0.543	mg/Kg	05/10/19 13:13	05/10/19 22:08	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0206-01	SDG No.:	K2762
Lab Sample ID:	K2762-20	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.7

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.27		1	0.2	1.04	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010
7440-39-3	Barium	115		1	0.432	5.19	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.311	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010
7440-47-3	Chromium	10.5		1	0.159	0.519	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010
7439-92-1	Lead	12.7		1	0.054	0.622	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010
7439-97-6	Mercury	0.052		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 13:53	SW7471B
7782-49-2	Selenium	0.329	U	1	0.329	1.04	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.519	mg/Kg	05/10/19 13:13	05/10/19 22:13	SW6010

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Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
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OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-0612-01	SDG No.:	K2762
Lab Sample ID:	K2762-21	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.6		1	0.187	0.966	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010
7440-39-3	Barium	79.4		1	0.403	4.83	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010
7440-47-3	Chromium	9.92		1	0.148	0.483	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010
7439-92-1	Lead	9.85		1	0.05	0.579	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010
7439-97-6	Mercury	0.063		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 14:00	SW7471B
7782-49-2	Selenium	0.306	U	1	0.306	0.966	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.483	mg/Kg	05/10/19 13:13	05/10/19 22:18	SW6010

6/5/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2762	**OrderDate:**	5/9/2019 9:48:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2762-01	**P021-SS001-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-04	**P021-SS001-0002-02**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-05	**P021-SS001-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-06	**P021-SS001-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-07	**P021-SS001-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-08	**P021-SS001-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-09	**P021-SS002-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	

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LAB CHRONICLE

K2762-10	**P021-SS002-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-11	**P021-SS002-0612-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-12	**P021-SS002-1218-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-13	**P021-SS002-1824-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-14	**P021-SS003-0002-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-15	**P021-SS003-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-16	**P021-SS003-0612-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-17	**P021-SS003-1218-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-18	**P021-SS003-1824-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	

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LAB CHRONICLE

K2762-19	**P021-SS004-0002-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-20	**P021-SS004-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2762-21	**P021-SS004-0612-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	

SHIPPING DOCUMENTS

K2762

7

7.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS001-0002-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	2	8 oz glass	4 C	Y
	P021-SS001-0002-02	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0002-02	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:40	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0206-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:46	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-0612-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:53	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1218-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:58	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	RCRA Metals (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS001-1824-01	P021-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:03	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0002-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:14	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0206-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:23	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-0612-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:31	1	8 oz glass	4 C	N
	P021-SS002-1218-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Wilson RSB	5/9/2019 900		5-9-19 0935	2.3°C

K2762

7

7.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 5-7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS002-1218-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:39	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	RCRA Metals (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS002-1824-01	P021-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:44	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0002-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	12:56	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0206-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:20	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-0612-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:28	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1218-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:34	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	RCRA Metals (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS003-1824-01	P021-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:41	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0002-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:48	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0206-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	13:54	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N
	P021-SS004-0612-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:00	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	—WESTON RST3	5/9/2019 900		5-9-19 0935	2.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name)		Log-in Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P021-SS001-0002-01	MA No. ~~0100105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.3 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12. Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P021-SS001-0002		K2762-01	Intact
2	K2762-01MS		K2762-02	Intact
3	K2762-01MSD		K2762-03	Intact
4	P021-SS001-0002		K2762-04	Intact
5	P021-SS001-0206		K2762-05	Intact
6	P021-SS001-0612		K2762-06	Intact
7	P021-SS001-1218		K2762-07	Intact
8	P021-SS001-1824		K2762-08	Intact
9	P021-SS002-0002		K2762-09	Intact
10	P021-SS002-0206		K2762-10	Intact
11	P021-SS002-0612		K2762-11	Intact
12	P021-SS002-1218		K2762-12	Intact
13	P021-SS002-1824		K2762-13	Intact
14	P021-SS003-0002		K2762-14	Intact
15	P021-SS003-0206		K2762-15	Intact
16	P021-SS003-0612		K2762-16	Intact
17	P021-SS003-1218		K2762-17	Intact
18	P021-SS003-1824		K2762-18	Intact
19	P021-SS004-0002		K2762-19	Intact
20	P021-SS004-0206		K2762-20	Intact
21	P021-SS004-0612		K2762-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2763

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: **Date:** 06/20/2019

On May 7 and 8, 2019, EPA Region II and RST 3 personnel collected 19 soil samples for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2763				
P021-SS004-1218-01	K2763-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS004-1824-01	K2763-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P021-SS005-0002-01	K2763-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS005-0206-01	K2763-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS005-0612-01	K2763-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS005-1218-01	K2763-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS005-1824-01	K2763-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS006-0002-01	K2763-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS006-0206-01	K2763-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS006-0612-01	K2763-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS006-1218-01	K2763-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS006-1824-01	K2763-12	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS007-0002-01	K2763-13	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS007-0206-01	K2763-14	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS007-0612-01	K2763-15	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS007-1218-01	K2763-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS007-1824-01	K2763-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS008-0002-01	K2763-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS008-0206-01[1]	K2763-19	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019

[1] The associated field duplicate P021-SS008-0206-02 can be found in Chemtech Project # K2764

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10 percent recovery (%R), detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P021-SS008-0206-01 was used for MS/MSD analyses. No problems were found for this criterion.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.66 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P021-SS006-1824-01, P021-SS007-0002-01, P021-SS007-0206-01, P021-SS007-1218-01, and P021-SS008-0002-01.

Laboratory artifact eluted around retention time 3.22 minutes was detected in rinsate blank RB-190508 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for associated samples: P021-SS006-1824-01, P021-SS007-0002-01, P021-SS007-0206-01, P021-SS007-0612-01, P021-SS007-1218-01, P021-SS007-1824-01, and P021-SS008-0002-01.

Laboratory artifact eluted around retention time 7.66 minutes was detected in rinsate blank RB-190508 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for associated samples: P021-SS007-0612-01 and P021-SS007-1824-01.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum

requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>)20 for 2,4-dinitrophenol, initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde, and initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/11/2019@ 14:47	CCV	2-Nitrophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P021-SS006-1824-01 P021-SS007-0612-01 P021-SS007-1824-01	J/UJ
5/12/2019@ 04:04	CCV	2-Nitrophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P021-SS007-0002-01 P021-SS007-0206-01 P021-SS007-1218-01 P021-SS008-0002-01	J/UJ
5/11/2019@ 12:29	CCV	2-Nitrophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-Methylphenol, and Indeno(1,2,3-cd)pyrene	P021-SS004-1218-01 P021-SS004-1824-01 P021-SS005-0612-01 P021-SS005-1218-01 P021-SS005-1824-01 P021-SS006-0612-01 P021-SS006-1218-01	J/UJ

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/13/2019@ 12:10	CCV	2-Nitrophenol, Caprolactam, 2,4-Dinitrophenol, 4,6-Dinitro-2-Methylphenol, and Butylbenzylphthalate, and Di-n-octyl phthalate	P021-SS008-0206-01	J/UJ

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

All SVOCs results were comparable between sample P021-SS008-0206-01 and its field duplicate P021-SS008-0206-02 (reported in SDG 2764).

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

- The laboratory control sample (LCS) analysis: No problems were found for this criterion.
- As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The soil preparation blank contained lead and mercury at concentrations less than the contract required quantitation limit (CRQL). The associated sample results are either greater than CRQL or non-detected. Therefore, using professional judgment, no qualification was required.

No contaminants were detected in rinsate blanks RB-190507 associated with SDG No. K2769.

Silver was detected greater than or equal to method detection limits (MDLs) but less than or equal to CRQLs in rinsate blank RB-190508. Qualification of the data was not required since the silver was non-detected in associated soil samples.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:
The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recovery of silver was below the acceptance criteria in the MS/MSD analysis performed on sample P021-SS008-0206-01. The non-detected result for silver was qualified as estimated (UJ). The laboratory qualified all silver results with "N" due to the low recoveries of silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:
The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is <

5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P021-SS001-0002-01 and P021-SS001-0002-02 (reported in SDG# K2764) were analyzed and results were within applicable control limits. No data qualifiers were required.

8. LABORATORY CONTROL SAMPLE:

The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:

The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS:

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 7 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS004-1218-01	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01
Lab Sample ID	K2763-01	K2763-02	K2763-03	K2763-04	K2763-05
Sample weight (g)	30.05	30.1	30.16	30.04	30.09
Moisture (%)	13.1	13	23	16	9.6
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	110 U	130 U	120 U	110 U
Phenol	72 U	71.8 U	81 U	74.5 U	69.1 U
bis(2-Chloroethyl)ether	120 U	120 U	130 U	120 U	110 U
2-Chlorophenol	75.7 U	75.5 U	85.1 U	78.3 U	72.7 U
2-Methylphenol	80.7 U	80.4 U	90.7 U	83.5 U	77.4 U
2,2-oxybis(1-Chloropropane)	100 U	100 U	110 U	110 U	97.6 U
Acetophenone	110 U	110 U	120 U	110 U	100 U
3+4-Methylphenols	110 U	110 U	130 U	120 U	110 U
n-Nitroso-di-n-propylamine	160 U	160 U	180 U	160 U	150 U
Hexachloroethane	96.8 U	96.5 U	110 U	100 U	92.9 U
Nitrobenzene	49.8 U	49.6 U	56 U	51.5 U	47.8 U
Isophorone	42.1 U	42 U	47.3 U	43.6 U	40.4 U
2-Nitrophenol	87.7 UJ	87.4 UJ	98.6 U	90.7 U	84.2 UJ
2,4-Dimethylphenol	63.4 U	63.2 U	71.3 U	65.6 U	60.9 U
bis(2-Chloroethoxy)methane	59.1 U	58.9 U	66.4 U	61.2 U	56.7 U
2,4-Dichlorophenol	58.9 U	58.7 U	66.2 U	61 U	56.6 U
Naphthalene	57.2 U	57 U	64.3 U	59.2 U	54.9 U
4-Chloroaniline	160 U	160 U	180 U	160 U	150 U
Hexachlorobutadiene	69.8 U	69.6 U	78.5 U	72.2 U	67 U
Caprolactam	130 U	130 U	140 U	130 U	120 U
4-Chloro-3-methylphenol	68 U	67.8 U	76.4 U	70.3 U	65.3 U
2-Methylnaphthalene	70.7 U	70.5 U	79.4 U	73.1 U	67.8 U
Hexachlorocyclopentadiene	250 U	250 U	290 U	260 U	240 U
2,4,6-Trichlorophenol	69.5 U	69.3 U	78.1 U	71.9 U	66.7 U
2,4,5-Trichlorophenol	67.9 U	67.7 U	76.4 U	70.3 U	65.2 U
1,1-Biphenyl	120 U	120 U	130 U	120 U	110 U
2-Chloronaphthalene	86.6 U	86.3 U	97.4 U	89.6 U	83.1 U
2-Nitroaniline	79.9 U	79.6 U	89.8 U	82.7 U	76.7 U
Dimethylphthalate	**440**	**360 J**	**630**	**430**	**400**
Acenaphthylene	68.9 U	68.7 U	77.4 U	71.3 U	66.1 U
2,6-Dinitrotoluene	81.2 U	80.9 U	91.3 U	84 U	77.9 U
3-Nitroaniline	150 U	150 U	170 U	150 U	140 U
Acenaphthene	77.9 U	77.7 U	87.6 U	80.6 U	74.8 U
2,4-Dinitrophenol	100 UJ	100 UJ	110 U	100 U	96.6 UJ
4-Nitrophenol	74.2 U	74 U	83.4 U	76.8 U	71.2 U
Dibenzofuran	100 U	100 U	120 U	110 U	99.1 U
2,4-Dinitrotoluene	95.6 U	95.3 U	110 U	98.9 U	91.7 U
Diethylphthalate	72.6 U	72.4 U	81.7 U	75.2 U	69.7 U
4-Chlorophenyl-phenylether	95.8 U	95.6 U	110 U	99.2 U	92 U
Fluorene	58.5 U	58.4 U	65.8 U	60.6 U	56.2 U
4-Nitroaniline	100 U	100 U	110 U	100 U	96.6 U
4,6-Dinitro-2-methylphenol	80.2 UJ	80 UJ	90.2 U	83 U	77 UJ
n-Nitrosodiphenylamine	88.9 U	88.6 U	99.9 U	92 U	85.3 U
4-Bromophenyl-phenylether	64.8 U	64.6 U	72.9 U	67 U	62.2 U
Hexachlorobenzene	76.4 U	76.2 U	85.9 U	79.1 U	73.3 U
Atrazine	91.2 U	91 U	100 U	94.4 U	87.6 U
Pentachlorophenol	120 U	120 U	140 U	130 U	120 U
Phenanthrene	65.5 U	65.4 U	73.7 U	67.8 U	62.9 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 7 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS004-1218-01	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01
Lab Sample ID	K2763-01	K2763-02	K2763-03	K2763-04	K2763-05
Sample weight (g)	30.05	30.1	30.16	30.04	30.09
Moisture (%)	13.1	13	23	16	9.6
Dilution Factor	1	1	1	1	1
Anthracene	64 U	63.9 U	72 U	66.3 U	61.5 U
Carbazole	100 U	100 U	120 U	110 U	99.1 U
Di-n-butylphthalate	110 U	110 U	130 U	120 U	110 U
Fluoranthene	56.8 U	56.7 U	63.9 U	58.8 U	54.5 U
Pyrene	70 U	69.8 U	78.7 U	72.4 U	67.2 U
Butylbenzylphthalate	73.3 U	73.1 U	82.4 U	75.9 U	70.4 U
3,3-Dichlorobenzidine	170 U	170 U	190 U	180 U	160 U
Benzo(a)anthracene	43.2 U	43.1 U	48.6 U	44.7 U	41.5 U
Chrysene	48.9 U	48.7 U	54.9 U	50.6 U	46.9 U
Bis(2-ethylhexyl)phthalate	110 U	110 U	120 U	110 U	100 U
Di-n-octyl phthalate	81.9 U	81.7 U	92.1 U	84.8 U	78.6 U
Benzo(b)fluoranthene	55.9 U	55.7 U	62.8 U	57.8 U	53.6 U
Benzo(k)fluoranthene	64.7 U	64.5 U	72.8 U	67 U	62.1 U
Benzo(a)pyrene	50.9 U	50.8 U	57.3 U	52.7 U	48.9 U
Indeno(1,2,3-cd)pyrene	83.1 UJ	82.8 UJ	93.4 U	86 U	79.7 UJ
Dibenzo(a,h)anthracene	60.1 U	59.9 U	67.6 U	62.2 U	57.7 U
Benzo(g,h,i)perylene	70.2 U	70 U	78.9 U	72.6 U	67.4 U
1,2,4,5-Tetrachlorobenzene	89.8 U	89.6 U	100 U	93 U	86.3 U
1,4-Dioxane	130 U	130 U	150 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	47.8 U	47.7 U	53.8 U	49.5 U	45.9 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01
Lab Sample ID	K2763-06	K2763-07	K2763-08	K2763-09	K2763-10
Sample weight (g)	30.15	30.03	30.08	30.14	30.02
Moisture (%)	8.4	5.6	25.6	15.7	7
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	100 U	130 U	120 U	100 U
Phenol	68.1 U	66.3 U	84 U	74 U	67.3 U
bis(2-Chloroethyl)ether	110 U	110 U	140 U	120 U	110 U
2-Chlorophenol	71.6 U	69.7 U	88.3 U	77.8 U	70.8 U
2-Methylphenol	76.3 U	74.3 U	94.1 U	82.9 U	75.4 U
2,2-oxybis(1-Chloropropane)	96.2 U	93.7 U	120 U	100 U	95.1 U
Acetophenone	100 U	98.5 U	120 U	110 U	100 U
3+4-Methylphenols	110 U	100 U	130 U	120 U	110 U
n-Nitroso-di-n-propylamine	150 U	140 U	180 U	160 U	150 U
Hexachloroethane	91.5 U	89.2 U	110 U	99.5 U	90.5 U
Nitrobenzene	47.1 U	45.8 U	58.1 U	51.2 U	46.6 U
Isophorone	39.8 U	38.8 U	49.1 U	43.3 U	39.4 U
2-Nitrophenol	82.9 UJ	80.8 UJ	100 U	90.1 U	82 UJ
2,4-Dimethylphenol	59.9 U	58.4 U	74 U	65.2 U	59.3 U
bis(2-Chloroethoxy)methane	55.9 U	54.4 U	69 U	60.7 U	55.3 U
2,4-Dichlorophenol	55.7 U	54.3 U	68.7 U	60.5 U	55.1 U
Naphthalene	54.1 U	52.7 U	66.7 U	58.8 U	53.5 U
4-Chloroaniline	150 U	150 U	180 U	160 U	150 U
Hexachlorobutadiene	66 U	64.3 U	81.4 U	71.7 U	65.3 U
Caprolactam	120 U	120 U	150 U	130 U	120 U
4-Chloro-3-methylphenol	64.3 U	62.6 U	79.3 U	69.9 U	63.6 U
2-Methylnaphthalene	66.8 U	65.1 U	82.4 U	72.6 U	66.1 U
Hexachlorocyclopentadiene	240 U	230 U	300 U	260 U	240 U
2,4,6-Trichlorophenol	65.7 U	64 U	81.1 U	71.4 U	65 U
2,4,5-Trichlorophenol	64.2 U	62.6 U	79.3 U	69.8 U	63.5 U
1,1-Biphenyl	110 U	110 U	140 U	120 U	110 U
2-Chloronaphthalene	81.9 U	79.8 U	100 U	89 U	81 U
2-Nitroaniline	75.5 U	73.6 U	93.2 U	82.1 U	74.7 U
Dimethylphthalate	**220 J**	**240 J**	**360 J**	**380 J**	**270 J**
Acenaphthylene	65.1 U	63.4 U	80.4 U	70.8 U	64.4 U
2,6-Dinitrotoluene	76.8 U	74.8 U	94.7 U	83.4 U	75.9 U
3-Nitroaniline	140 U	140 U	170 U	150 U	140 U
Acenaphthene	73.7 U	71.8 U	90.9 U	80.1 U	72.9 U
2,4-Dinitrophenol	95.2 UJ	92.7 UJ	120 U	100 U	94.2 UJ
4-Nitrophenol	70.1 U	68.3 U	86.6 U	76.2 U	69.4 U
Dibenzofuran	97.6 U	95.1 U	120 U	110 U	96.6 U
2,4-Dinitrotoluene	90.4 U	88 U	110 U	98.2 U	89.4 U
Diethylphthalate	68.7 U	66.9 U	84.7 U	74.6 U	67.9 U
4-Chlorophenyl-phenylether	90.6 U	88.3 U	110 U	98.5 U	89.6 U
Fluorene	55.3 U	53.9 U	68.3 U	60.1 U	54.7 U
4-Nitroaniline	95.1 U	92.7 U	120 U	100 U	94.1 U
4,6-Dinitro-2-methylphenol	75.8 UJ	73.9 UJ	93.6 U	82.4 U	75 UJ
n-Nitrosodiphenylamine	84 U	81.9 U	100 U	91.3 U	83.1 U
4-Bromophenyl-phenylether	61.3 U	59.7 U	75.6 U	66.6 U	60.6 U
Hexachlorobenzene	72.2 U	70.4 U	89.1 U	78.5 U	71.5 U
Atrazine	86.3 U	84 U	110 U	93.8 U	85.3 U
Pentachlorophenol	120 U	110 U	140 U	130 U	120 U
Phenanthrene	62 U	60.4 U	76.5 U	67.4 U	61.3 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01
Lab Sample ID	K2763-06	K2763-07	K2763-08	K2763-09	K2763-10
Sample weight (g)	30.15	30.03	30.08	30.14	30.02
Moisture (%)	8.4	5.6	25.6	15.7	7
Dilution Factor	1	1	1	1	1
Anthracene	60.5 U	59 U	74.7 U	65.8 U	59.9 U
Carbazole	97.6 U	95.1 U	120 U	110 U	96.5 U
Di-n-butylphthalate	110 U	100 U	130 U	120 U	110 U
Fluoranthene	53.7 U	52.3 U	**94.5 J**	58.4 U	53.1 U
Pyrene	66.1 U	64.4 U	81.6 U	71.9 U	65.4 U
Butylbenzylphthalate	69.3 U	67.5 U	85.5 U	75.3 U	68.6 U
3,3-Dichlorobenzidine	160 U	160 U	200 U	170 U	160 U
Benzo(a)anthracene	40.8 U	39.8 U	50.4 U	44.4 U	40.4 U
Chrysene	46.2 U	45 U	57 U	50.2 U	45.7 U
Bis(2-ethylhexyl)phthalate	100 U	97.4 U	120 U	110 U	98.9 U
Di-n-octyl phthalate	77.4 U	75.4 U	95.6 U	84.2 U	76.6 U
Benzo(b)fluoranthene	52.8 U	51.5 U	65.2 U	57.4 U	52.3 U
Benzo(k)fluoranthene	61.2 U	59.6 U	75.5 U	66.5 U	60.5 U
Benzo(a)pyrene	48.2 U	46.9 U	59.4 U	52.4 U	47.6 U
Indeno(1,2,3-cd)pyrene	78.5 UJ	76.5 UJ	96.9 U	85.4 U	77.7 UJ
Dibenzo(a,h)anthracene	56.8 U	55.4 U	70.1 U	61.8 U	56.2 U
Benzo(g,h,i)perylene	66.4 U	64.7 U	81.9 U	72.1 U	65.7 U
1,2,4,5-Tetrachlorobenzene	85 U	82.8 U	100 U	92.3 U	84 U
1,4-Dioxane	130 U	120 U	160 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	45.2 U	44 U	55.8 U	49.1 U	44.7 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS006-1218-01	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01
Lab Sample ID	K2763-11	K2763-12	K2763-13	K2763-14	K2763-15
Sample weight (g)	30.07	30.13	30.01	30.06	30.12
Moisture (%)	8.2	6.8	21.8	23.4	18
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	100 U	120 U	130 U	120 U
Phenol	68.1 U	67 U	80.1 U	81.7 U	76.1 U
bis(2-Chloroethyl)ether	110 U	110 U	130 U	130 U	130 U
2-Chlorophenol	71.6 U	70.4 U	84.2 U	85.9 U	80 U
2-Methylphenol	76.3 U	75 U	89.8 U	91.5 U	85.3 U
2,2-oxybis(1-Chloropropane)	96.2 U	94.6 U	110 U	120 U	110 U
Acetophenone	100 U	99.4 U	120 U	120 U	110 U
3+4-Methylphenols	110 U	100 U	130 U	130 U	120 U
n-Nitroso-di-n-propylamine	150 U	150 U	170 U	180 U	170 U
Hexachloroethane	91.6 U	90 U	110 U	110 U	100 U
Nitrobenzene	47.1 U	46.3 U	55.4 U	56.4 U	52.6 U
Isophorone	39.8 U	39.2 U	46.9 U	47.8 U	44.5 U
2-Nitrophenol	82.9 UJ	81.5 UJ	97.6 UJ	99.4 UJ	92.7 UJ
2,4-Dimethylphenol	60 U	59 U	70.6 U	71.9 U	67 U
bis(2-Chloroethoxy)methane	55.9 U	55 U	65.8 U	67 U	62.5 U
2,4-Dichlorophenol	55.7 U	54.8 U	65.6 U	66.8 U	62.3 U
Naphthalene	54.1 U	53.2 U	63.6 U	64.8 U	60.4 U
4-Chloroaniline	150 U	150 U	180 U	180 U	170 U
Hexachlorobutadiene	66 U	64.9 U	77.7 U	79.1 U	73.8 U
Caprolactam	120 U	120 U	140 U	150 U	140 U
4-Chloro-3-methylphenol	64.3 U	63.2 U	75.6 U	77.1 U	71.9 U
2-Methylnaphthalene	66.8 U	65.7 U	78.6 U	80.1 U	74.7 U
Hexachlorocyclopentadiene	240 U	240 U	280 U	290 U	270 U
2,4,6-Trichlorophenol	65.7 U	64.6 U	77.3 U	78.8 U	73.5 U
2,4,5-Trichlorophenol	64.3 U	63.2 U	75.6 U	77 U	71.8 U
1,1-Biphenyl	110 U	110 U	130 U	140 U	130 U
2-Chloronaphthalene	81.9 U	80.5 U	96.3 U	98.2 U	91.5 U
2-Nitroaniline	75.6 U	74.3 U	88.9 U	90.6 U	84.4 U
Dimethylphthalate	**250 J**	**630**	**350 J**	**610**	**380 J**
Acenaphthylene	65.2 U	64 U	76.6 U	78.1 U	72.8 U
2,6-Dinitrotoluene	76.8 U	75.5 U	90.3 U	92.1 U	85.8 U
3-Nitroaniline	140 U	140 U	170 U	170 U	160 U
Acenaphthene	73.7 U	72.4 U	86.7 U	88.3 U	82.4 U
2,4-Dinitrophenol	95.2 UJ	93.6 UJ	110 UJ	110 UJ	110 UJ
4-Nitrophenol	70.2 U	69 U	82.5 U	84.1 U	78.4 U
Dibenzofuran	97.7 U	96 U	110 U	120 U	110 U
2,4-Dinitrotoluene	90.4 U	88.9 UJ	110 UJ	110 UJ	100 UJ
Diethylphthalate	68.7 U	67.5 U	80.8 U	82.4 U	76.8 U
4-Chlorophenyl-phenylether	90.7 U	89.1 U	110 U	110 U	100 U
Fluorene	55.4 U	54.4 U	65.1 U	66.4 U	61.9 U
4-Nitroaniline	95.1 U	93.5 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	75.9 UJ	74.6 UJ	89.2 UJ	90.9 UJ	84.8 UJ
n-Nitrosodiphenylamine	84.1 U	82.6 U	98.9 U	100 U	93.9 U
4-Bromophenyl-phenylether	61.3 U	60.3 U	72.1 U	73.5 U	68.5 U
Hexachlorobenzene	72.3 U	71 U	85 U	86.6 U	80.8 U
Atrazine	86.3 U	84.8 U	100 U	100 U	96.5 U
Pentachlorophenol	120 U	110 U	140 U	140 U	130 U
Phenanthrene	62 U	61 U	72.9 U	74.3 U	69.3 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS006-1218-01	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01
Lab Sample ID	K2763-11	K2763-12	K2763-13	K2763-14	K2763-15
Sample weight (g)	30.07	30.13	30.01	30.06	30.12
Moisture (%)	8.2	6.8	21.8	23.4	18
Dilution Factor	1	1	1	1	1
Anthracene	60.6 U	59.5 U	71.3 U	72.6 U	67.7 U
Carbazole	97.6 U	96 U	110 U	120 U	110 U
Di-n-butylphthalate	110 U	110 U	130 U	130 U	120 U
Fluoranthene	53.8 U	52.8 U	63.2 U	64.4 U	60.1 U
Pyrene	66.2 U	65.1 U	77.8 U	79.3 U	74 U
Butylbenzylphthalate	69.3 U	68.2 U	81.6 U	83.1 U	77.5 U
3,3-Dichlorobenzidine	160 U	160 U	190 U	190 U	180 U
Benzo(a)anthracene	40.9 U	40.2 U	48.1 U	49 U	45.7 U
Chrysene	46.2 U	45.4 U	54.4 U	55.4 U	51.7 U
Bis(2-ethylhexyl)phthalate	100 U	98.3 U	120 U	120 U	110 U
Di-n-octyl phthalate	77.5 U	76.2 U	91.1 U	92.9 U	86.6 U
Benzo(b)fluoranthene	52.9 U	52 U	62.2 U	63.4 U	59.1 U
Benzo(k)fluoranthene	61.2 U	60.2 U	72 U	73.4 U	68.4 U
Benzo(a)pyrene	48.2 U	47.4 U	56.7 U	57.8 U	53.9 U
Indeno(1,2,3-cd)pyrene	78.6 UJ	77.2 U	92.4 U	94.2 U	87.8 U
Dibenzo(a,h)anthracene	56.8 U	55.9 U	66.9 U	68.2 U	63.5 U
Benzo(g,h,i)perylene	66.4 U	65.3 U	78.1 U	79.6 U	74.2 U
1,2,4,5-Tetrachlorobenzene	85 U	83.6 U	100 U	100 U	95 U
1,4-Dioxane	130 U	120 U	150 U	150 U	140 U
2,3,4,6-Tetrachlorophenol	45.2 U	44.5 U	53.2 U	54.2 U	50.6 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS007-1218-01	P021-SS007-1824-01	P021-SS008-0002-01	P021-SS008-0206-01
Lab Sample ID	K2763-16	K2763-17	K2763-18	K2763-19
Sample weight (g)	30.16	30.05	30.11	30.15
Moisture (%)	16.7	9.7	26.7	18.5
Dilution Factor	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	120 U	110 U	130 U	120 U
Phenol	74.8 U	69.3 U	85.2 U	76.5 U
bis(2-Chloroethyl)ether	120 U	110 U	140 U	130 U
2-Chlorophenol	78.7 U	72.9 U	89.6 U	80.5 U
2-Methylphenol	83.8 U	77.6 U	95.4 U	85.7 U
2,2-oxybis(1-Chloropropane)	110 U	97.9 U	120 U	110 U
Acetophenone	110 U	100 U	130 U	110 U
3+4-Methylphenols	120 U	110 U	130 U	120 U
n-Nitroso-di-n-propylamine	160 U	150 U	190 U	170 U
Hexachloroethane	100 U	93.1 U	110 U	100 U
Nitrobenzene	51.7 U	47.9 U	58.9 U	52.9 U
Isophorone	43.8 U	40.5 U	49.8 U	44.8 U
2-Nitrophenol	91.1 UJ	84.4 UJ	100 UJ	93.2 UJ
2,4-Dimethylphenol	65.9 U	61 U	75 U	67.4 U
bis(2-Chloroethoxy)methane	61.4 U	56.9 U	69.9 U	62.8 U
2,4-Dichlorophenol	61.2 U	56.7 U	69.7 U	62.6 U
Naphthalene	59.4 U	55 U	67.6 U	60.8 U
4-Chloroaniline	160 U	150 U	190 U	170 U
Hexachlorobutadiene	72.5 U	67.2 U	82.6 U	74.2 U
Caprolactam	130 U	120 U	150 U	140 UJ
4-Chloro-3-methylphenol	70.6 U	65.4 U	80.4 U	72.2 U
2-Methylnaphthalene	73.4 U	68 U	83.6 U	75.1 U
Hexachlorocyclopentadiene	260 U	250 U	300 U	270 U
2,4,6-Trichlorophenol	72.2 U	66.9 U	82.2 U	73.8 U
2,4,5-Trichlorophenol	70.6 U	65.4 U	80.4 U	72.2 U
1,1-Biphenyl	120 U	110 U	140 U	130 U
2-Chloronaphthalene	90 U	83.3 U	100 U	92 U
2-Nitroaniline	83 U	76.9 U	94.5 U	84.9 U
Dimethylphthalate	**640**	**220 J**	**660**	**490**
Acenaphthylene	71.6 U	66.3 U	81.5 U	73.2 U
2,6-Dinitrotoluene	84.4 U	78.1 U	96 U	86.3 U
3-Nitroaniline	150 U	140 U	180 U	160 U
Acenaphthene	81 U	75 U	92.2 U	82.8 U
2,4-Dinitrophenol	100 UJ	96.9 UJ	120 UJ	110 UJ
4-Nitrophenol	77.1 U	71.4 U	87.8 U	78.8 U
Dibenzofuran	110 U	99.3 U	120 U	110 U
2,4-Dinitrotoluene	99.3 UJ	92 UJ	110 UJ	100 U
Diethylphthalate	75.5 U	69.9 U	85.9 U	77.2 U
4-Chlorophenyl-phenylether	99.6 U	92.2 U	110 U	100 U
Fluorene	60.8 U	56.3 U	69.2 U	62.2 U
4-Nitroaniline	100 U	96.8 U	120 U	110 U
4,6-Dinitro-2-methylphenol	83.3 UJ	77.2 UJ	94.9 UJ	85.2 UJ
n-Nitrosodiphenylamine	92.4 U	85.5 U	110 U	94.4 U
4-Bromophenyl-phenylether	67.3 U	62.4 U	76.7 U	68.9 U
Hexachlorobenzene	79.4 U	73.5 U	90.4 U	81.2 U
Atrazine	94.8 U	87.8 U	110 U	96.9 U
Pentachlorophenol	130 U	120 U	150 U	130 U
Phenanthrene	68.1 U	63.1 U	77.6 U	69.7 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS007-1218-01	P021-SS007-1824-01	P021-SS008-0002-01	P021-SS008-0206-01
Lab Sample ID	K2763-16	K2763-17	K2763-18	K2763-19
Sample weight (g)	30.16	30.05	30.11	30.15
Moisture (%)	16.7	9.7	26.7	18.5
Dilution Factor	1	1	1	1
Anthracene	66.6 U	61.6 U	75.8 U	68 U
Carbazole	110 U	99.3 U	120 U	110 U
Di-n-butylphthalate	120 U	110 U	130 U	120 U
Fluoranthene	59.1 U	54.7 U	67.2 U	60.4 U
Pyrene	72.7 U	67.3 U	82.8 U	74.3 U
Butylbenzylphthalate	76.2 U	70.5 U	86.7 U	77.9 UJ
3,3-Dichlorobenzidine	180 U	160 U	200 U	180 U
Benzo(a)anthracene	44.9 U	41.6 U	51.1 U	45.9 U
Chrysene	50.8 U	47 U	57.8 U	51.9 U
Bis(2-ethylhexyl)phthalate	110 U	100 U	130 U	110 U
Di-n-octyl phthalate	85.1 U	78.8 U	96.9 U	87 UJ
Benzo(b)fluoranthene	58.1 U	53.8 U	66.1 U	59.4 U
Benzo(k)fluoranthene	67.3 U	62.3 U	76.6 U	68.8 U
Benzo(a)pyrene	52.9 U	49 U	60.3 U	54.1 U
Indeno(1,2,3-cd)pyrene	86.3 U	79.9 U	98.3 U	88.3 U
Dibenzo(a,h)anthracene	62.5 U	57.8 U	71.1 U	63.9 U
Benzo(g,h,i)perylene	73 U	67.5 U	83 U	74.6 U
1,2,4,5-Tetrachlorobenzene	93.4 U	86.5 U	110 U	95.5 U
1,4-Dioxane	140 U	130 U	160 U	140 U
2,3,4,6-Tetrachlorophenol	49.7 U	46 U	56.6 U	50.8 U

U: Not detected at the indicated concentration

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

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Cover Page

Order ID : K2763

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2763-01	P021-SS004-1218-01
K2763-02	P021-SS004-1824-01
K2763-03	P021-SS005-0002-01
K2763-04	P021-SS005-0206-01
K2763-05	P021-SS005-0612-01
K2763-06	P021-SS005-1218-01
K2763-07	P021-SS005-1824-01
K2763-08	P021-SS006-0002-01
K2763-09	P021-SS006-0206-01
K2763-10	P021-SS006-0612-01
K2763-11	P021-SS006-1218-01
K2763-12	P021-SS006-1824-01
K2763-13	P021-SS007-0002-01
K2763-14	P021-SS007-0206-01
K2763-15	P021-SS007-0612-01
K2763-16	P021-SS007-1218-01
K2763-17	P021-SS007-1824-01
K2763-18	P021-SS008-0002-01
K2763-19	P021-SS008-0206-01
K2763-20	K2763-19MS
K2763-21	K2763-19MSD

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 5/16/2019

By Mildred V Reyes, QAQC Supervisor at 4:38 pm, May 16, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2763
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria.
The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine, 2,4-Dinitrophenol these compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol these compound are passing on Linear regression.

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The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, these compound are passing on Linear regression.

The Continuous Calibration File ID BG040873.D, BG040892.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol and 4,6-Dinitro-2-methylphenol .

The Continuous Calibration File ID BM020268.D met the requirements except for 2-Nitrophenol, 4,6-Dinitro-2-methylphenol and Indeno(1!2!3-cd)pyrene .

The Continuous Calibration File ID BM020311.D met the requirements except for 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, Caprolactam, Di-n-octyl phthalate and 2,4,6-Tribromophenol .The associate samples have no positive hit for these compounds. therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

Concentration of SOIL Sample:

Concentration ug/Kg,
(dry weight basis) = $\frac{(Ax)\ (Is)\ (Vt)\ (DF)\ (GPC)}{(Ais)\ (\overline{RRF})\ (Vi)\ (Wt)\ (D)}$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{}$ = GPC factor (If no GPC is performed, GPC=1)

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Vout = Volume of extract collected after GPC cleanup.

D = % dry weight or $\frac{100 - \%Moisture}{100}$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 4:38 pm, May 16, 2019

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2763

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA **Date:** 05/16/2019

2nd Level QA Review Signature: Mildred V Reyes

APPROVED
Date:
By Mildred V Reyes, QAQC Supervisor at 4:37 pm, May 16, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020278.D	1	05/10/19 10:08	05/11/19 18:32	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72	U	72	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.7	U	75.7	380	ug/Kg
95-48-7	2-Methylphenol	80.7	U	80.7	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.8	U	96.8	380	ug/Kg
98-95-3	Nitrobenzene	49.8	U	49.8	380	ug/Kg
78-59-1	Isophorone	42.1	U	42.1	380	ug/Kg
88-75-5	2-Nitrophenol	87.7	U J	87.7	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.4	U	63.4	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.1	U	59.1	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.9	U	58.9	380	ug/Kg
91-20-3	Naphthalene	57.2	U	57.2	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.8	U	69.8	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68	U	68	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.7	U	70.7	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69.5	U	69.5	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.9	U	67.9	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	86.6	U	86.6	380	ug/Kg
88-74-4	2-Nitroaniline	79.9	U	79.9	380	ug/Kg
131-11-3	Dimethylphthalate	440		58	380	ug/Kg
208-96-8	Acenaphthylene	68.9	U	68.9	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	81.2	U	81.2	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020278.D	1	05/10/19 10:08	05/11/19 18:32	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	77.9	U	77.9	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	74.2	U	74.2	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.6	U	95.6	380	ug/Kg
84-66-2	Diethylphthalate	72.6	U	72.6	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.8	U	95.8	380	ug/Kg
86-73-7	Fluorene	58.5	U	58.5	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.2	U	80.2	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.9	U	88.9	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.8	U	64.8	380	ug/Kg
118-74-1	Hexachlorobenzene	76.4	U	76.4	380	ug/Kg
1912-24-9	Atrazine	91.2	U	91.2	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.5	U	65.5	380	ug/Kg
120-12-7	Anthracene	64	U	64	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.8	U	56.8	380	ug/Kg
129-00-0	Pyrene	70	U	70	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.3	U	73.3	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43.2	U	43.2	380	ug/Kg
218-01-9	Chrysene	48.9	U	48.9	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.9	U	81.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.9	U	55.9	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.7	U	64.7	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.9	U	50.9	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.1	U	83.1	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.1	U	60.1	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020278.D	1	05/10/19 10:08	05/11/19 18:32	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	70.2	U	70.2	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.8	U	89.8	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.8	U	47.8	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		28 - 127	90%	SPK: 150
13127-88-3	Phenol-d6	131		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.7		31 - 132	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		30 - 133	94%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		37 - 115	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50229	7.77			
1146-65-2	Naphthalene-d8	171669	10.56			
15067-26-2	Acenaphthene-d10	102161	14.41			
1517-22-2	Phenanthrene-d10	252622	17.16			
1719-03-5	Chrysene-d12	274052	21.35			
1520-96-3	Perylene-d12	325464	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4100	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J N		18.04	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	100	J N		21.04	ug/Kg

6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020279.D	1	05/10/19 10:08	05/11/19 19:08	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	71.8	U	71.8	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.5	U	75.5	380	ug/Kg
95-48-7	2-Methylphenol	80.4	U	80.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.5	U	96.5	380	ug/Kg
98-95-3	Nitrobenzene	49.6	U	49.6	380	ug/Kg
78-59-1	Isophorone	42	U	42	380	ug/Kg
88-75-5	2-Nitrophenol	87.4	U	87.4	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.2	U	63.2	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.9	U	58.9	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.7	U	58.7	380	ug/Kg
91-20-3	Naphthalene	57	U	57	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.6	U	69.6	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.8	U	67.8	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.5	U	70.5	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69.3	U	69.3	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.7	U	67.7	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	86.3	U	86.3	380	ug/Kg
88-74-4	2-Nitroaniline	79.6	U	79.6	380	ug/Kg
131-11-3	Dimethylphthalate	360	J	57.9	380	ug/Kg
208-96-8	Acenaphthylene	68.7	U	68.7	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.9	U	80.9	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020279.D	1	05/10/19 10:08	05/11/19 19:08	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	77.7	U	77.7	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UJ	100	380	ug/Kg
100-02-7	4-Nitrophenol	74	U	74	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.3	U	95.3	380	ug/Kg
84-66-2	Diethylphthalate	72.4	U	72.4	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.6	U	95.6	380	ug/Kg
86-73-7	Fluorene	58.4	U	58.4	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80	UJ	80	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.6	U	88.6	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.6	U	64.6	380	ug/Kg
118-74-1	Hexachlorobenzene	76.2	U	76.2	380	ug/Kg
1912-24-9	Atrazine	91	U	91	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.4	U	65.4	380	ug/Kg
120-12-7	Anthracene	63.9	U	63.9	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.7	U	56.7	380	ug/Kg
129-00-0	Pyrene	69.8	U	69.8	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.1	U	73.1	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43.1	U	43.1	380	ug/Kg
218-01-9	Chrysene	48.7	U	48.7	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.7	U	81.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.7	U	55.7	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.5	U	64.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.8	U	50.8	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.8	UJ	82.8	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.9	U	59.9	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020279.D	1	05/10/19 10:08	05/11/19 19:08	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	70	U	70	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.6	U	89.6	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	47.7	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	130		28 - 127	87%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.6		31 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.6		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 - 133	83%	SPK: 150
1718-51-0	Terphenyl-d14	63.9		37 - 115	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41482	7.76			
1146-65-2	Naphthalene-d8	137352	10.56			
15067-26-2	Acenaphthene-d10	81102	14.41			
1517-22-2	Phenanthrene-d10	186331	17.16			
1719-03-5	Chrysene-d12	198638	21.35			
1520-96-3	Perylene-d12	244929	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	3900	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	100	J N		18.04	ug/Kg

615119

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114154.D	1	05/10/19 10:08	05/11/19 14:02	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81	U	81	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	85.1	U	85.1	430	ug/Kg
95-48-7	2-Methylphenol	90.7	U	90.7	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56	U	56	430	ug/Kg
78-59-1	Isophorone	47.3	U	47.3	430	ug/Kg
88-75-5	2-Nitrophenol	98.6	U	98.6	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.3	U	71.3	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.4	U	66.4	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.2	U	66.2	430	ug/Kg
91-20-3	Naphthalene	64.3	U	64.3	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	78.5	U	78.5	430	ug/Kg
105-60-2	Caprolactam	140	U	140	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.4	U	76.4	430	ug/Kg
91-57-6	2-Methylnaphthalene	79.4	U	79.4	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.1	U	78.1	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.4	U	76.4	430	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	430	ug/Kg
91-58-7	2-Chloronaphthalene	97.4	U	97.4	430	ug/Kg
88-74-4	2-Nitroaniline	89.8	U	89.8	430	ug/Kg
131-11-3	Dimethylphthalate	630		65.3	430	ug/Kg
208-96-8	Acenaphthylene	77.4	U	77.4	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.3	U	91.3	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114154.D	1	05/10/19 10:08	05/11/19 14:02	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	87.6	U	87.6	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	430	ug/Kg
100-02-7	4-Nitrophenol	83.4	U	83.4	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	81.7	U	81.7	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	65.8	U	65.8	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.2	U	90.2	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.9	U	99.9	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.9	U	72.9	430	ug/Kg
118-74-1	Hexachlorobenzene	85.9	U	85.9	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	73.7	U	73.7	430	ug/Kg
120-12-7	Anthracene	72	U	72	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	63.9	U	63.9	430	ug/Kg
129-00-0	Pyrene	78.7	U	78.7	430	ug/Kg
85-68-7	Butylbenzylphthalate	82.4	U	82.4	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	48.6	U	48.6	430	ug/Kg
218-01-9	Chrysene	54.9	U	54.9	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	92.1	U	92.1	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	62.8	U	62.8	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	72.8	U	72.8	430	ug/Kg
50-32-8	Benzo(a)pyrene	57.3	U	57.3	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.4	U	93.4	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.6	U	67.6	430	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114154.D	1	05/10/19 10:08	05/11/19 14:02	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	78.9	U	78.9	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.8	U	53.8	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		28 - 127	75%	SPK: 150
13127-88-3	Phenol-d6	128		34 - 127	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.3		31 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.3		39 - 123	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		30 - 133	76%	SPK: 150
1718-51-0	Terphenyl-d14	70.5		37 - 115	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	296064	6.85			
1146-65-2	Naphthalene-d8	1128250	8.13			
15067-26-2	Acenaphthene-d10	533161	9.88			
1517-22-2	Phenanthrene-d10	1053220	11.37			
1719-03-5	Chrysene-d12	673857	14			
1520-96-3	Perylene-d12	683164	15.47			
TENTATIVE IDENTIFIED COMPOUNDS unknown						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	1200	J		2.13	ug/Kg
	unknown6.63	3900	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	450	J N		11.89	ug/Kg
000057-11-4	Octadecanoic acid	490	J N		12.68	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	600	J N		13.84	ug/Kg
000630-01-3	Hexacosane	94.7	J N		14.17	ug/Kg
000593-45-3	Octadecane	250	J N		14.47	ug/Kg
000646-31-1	Tetracosane	360	J N		14.78	ug/Kg
1000376-70-0	Heptadecanal	100	J N		14.93	ug/Kg
001560-88-9	Octadecane, 2-methyl-	530	J N		15.12	ug/Kg
054833-23-7	Eicosane, 10-methyl-	550	J N		15.93	ug/Kg
002004-39-9	1-Heptacosanol	110	J N		15.98	ug/Kg
013475-76-8	Docosane, 11-butyl-	360	J N		16.43	ug/Kg

4/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114154.D	1	05/10/19 10:08	05/11/19 14:02	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114157.D	1	05/10/19 10:08	05/11/19 15:21	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74.5	U	74.5	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78.3	U	78.3	390	ug/Kg
95-48-7	2-Methylphenol	83.5	U	83.5	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	100	U	100	390	ug/Kg
98-95-3	Nitrobenzene	51.5	U	51.5	390	ug/Kg
78-59-1	Isophorone	43.6	U	43.6	390	ug/Kg
88-75-5	2-Nitrophenol	90.7	U	90.7	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.6	U	65.6	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.2	U	61.2	390	ug/Kg
120-83-2	2,4-Dichlorophenol	61	U	61	390	ug/Kg
91-20-3	Naphthalene	59.2	U	59.2	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	72.2	U	72.2	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.3	U	70.3	390	ug/Kg
91-57-6	2-Methylnaphthalene	73.1	U	73.1	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.9	U	71.9	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.3	U	70.3	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89.6	U	89.6	390	ug/Kg
88-74-4	2-Nitroaniline	82.7	U	82.7	390	ug/Kg
131-11-3	Dimethylphthalate	430		60.1	390	ug/Kg
208-96-8	Acenaphthylene	71.3	U	71.3	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	84	U	84	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114157.D	1	05/10/19 10:08	05/11/19 15:21	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80.6	U	80.6	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.8	U	76.8	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.9	U	98.9	390	ug/Kg
84-66-2	Diethylphthalate	75.2	U	75.2	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.2	U	99.2	390	ug/Kg
86-73-7	Fluorene	60.6	U	60.6	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83	U	83	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92	U	92	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67	U	67	390	ug/Kg
118-74-1	Hexachlorobenzene	79.1	U	79.1	390	ug/Kg
1912-24-9	Atrazine	94.4	U	94.4	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	67.8	U	67.8	390	ug/Kg
120-12-7	Anthracene	66.3	U	66.3	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	58.8	U	58.8	390	ug/Kg
129-00-0	Pyrene	72.4	U	72.4	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.9	U	75.9	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	44.7	U	44.7	390	ug/Kg
218-01-9	Chrysene	50.6	U	50.6	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84.8	U	84.8	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.8	U	57.8	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	67	U	67	390	ug/Kg
50-32-8	Benzo(a)pyrene	52.7	U	52.7	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86	U	86	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.2	U	62.2	390	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114157.D	1	05/10/19 10:08	05/11/19 15:21	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	72.6	U	72.6	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93	U	93	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.5	U	49.5	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.1		28 - 127	57%	SPK: 150
13127-88-3	Phenol-d6	99.7		34 - 127	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.4		31 - 132	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	62		39 - 123	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.3		30 - 133	64%	SPK: 150
1718-51-0	Terphenyl-d14	70.2		37 - 115	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	266227	6.85			
1146-65-2	Naphthalene-d8	1025430	8.13			
15067-26-2	Acenaphthene-d10	488318	9.88			
1517-22-2	Phenanthrene-d10	962283	11.37			
1719-03-5	Chrysene-d12	566574	14			
1520-96-3	Perylene-d12	605177	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-methyl-~~	140	A		5.06	ug/Kg
	unknown6.62	2700	J		6.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J		11.89	ug/Kg
000057-11-4	Octadecanoic acid	80.1	J		12.67	ug/Kg
015594-90-8	1-Heneicosanol	580	J		13.84	ug/Kg
1000309-18-3	Sulfurous acid, butyl hexadecyl es	130	J		14.47	ug/Kg
000638-66-4	Octadecanal	95.1	J		14.92	ug/Kg
000593-49-7	Heptacosane	170	J		15.12	ug/Kg
1000282-98-2	Dichloroacetic acid, heptadecyl es	93.9	J		15.14	ug/Kg
000630-02-4	Octacosane	220	J		15.93	ug/Kg
001454-84-8	n-Nonadecanol-1	110	J		15.98	ug/Kg
1000376-72-8	2-methyloctacosane	110	J		16.43	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114157.D	1	05/10/19 10:08	05/11/19 15:21	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020280.D	1	05/10/19 10:08	05/11/19 19:44	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	69.1	U	69.1	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	72.7	U	72.7	360	ug/Kg
95-48-7	2-Methylphenol	77.4	U	77.4	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.6	U	97.6	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	92.9	U	92.9	360	ug/Kg
98-95-3	Nitrobenzene	47.8	U	47.8	360	ug/Kg
78-59-1	Isophorone	40.4	U	40.4	360	ug/Kg
88-75-5	2-Nitrophenol	84.2	U J	84.2	360	ug/Kg
105-67-9	2,4-Dimethylphenol	60.9	U	60.9	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.7	U	56.7	360	ug/Kg
120-83-2	2,4-Dichlorophenol	56.6	U	56.6	360	ug/Kg
91-20-3	Naphthalene	54.9	U	54.9	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	67	U	67	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.3	U	65.3	360	ug/Kg
91-57-6	2-Methylnaphthalene	67.8	U	67.8	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	66.7	U	66.7	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.2	U	65.2	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	83.1	U	83.1	360	ug/Kg
88-74-4	2-Nitroaniline	76.7	U	76.7	360	ug/Kg
131-11-3	Dimethylphthalate	400		55.7	360	ug/Kg
208-96-8	Acenaphthylene	66.1	U	66.1	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	77.9	U	77.9	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020280.D	1	05/10/19 10:08	05/11/19 19:44	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	74.8	U	74.8	360	ug/Kg
51-28-5	2,4-Dinitrophenol	96.6	UJ	96.6	360	ug/Kg
100-02-7	4-Nitrophenol	71.2	U	71.2	360	ug/Kg
132-64-9	Dibenzofuran	99.1	U	99.1	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.7	U	91.7	360	ug/Kg
84-66-2	Diethylphthalate	69.7	U	69.7	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92	U	92	360	ug/Kg
86-73-7	Fluorene	56.2	U	56.2	360	ug/Kg
100-01-6	4-Nitroaniline	96.6	U	96.6	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77	UJ	77	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.3	U	85.3	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.2	U	62.2	360	ug/Kg
118-74-1	Hexachlorobenzene	73.3	U	73.3	360	ug/Kg
1912-24-9	Atrazine	87.6	U	87.6	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	62.9	U	62.9	360	ug/Kg
120-12-7	Anthracene	61.5	U	61.5	360	ug/Kg
86-74-8	Carbazole	99.1	U	99.1	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	54.5	U	54.5	360	ug/Kg
129-00-0	Pyrene	67.2	U	67.2	360	ug/Kg
85-68-7	Butylbenzylphthalate	70.4	U	70.4	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	41.5	U	41.5	360	ug/Kg
218-01-9	Chrysene	46.9	U	46.9	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	360	ug/Kg
117-84-0	Di-n-octyl phthalate	78.6	U	78.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.6	U	53.6	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.1	U	62.1	360	ug/Kg
50-32-8	Benzo(a)pyrene	48.9	U	48.9	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.7	UJ	79.7	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.7	U	57.7	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020280.D	1	05/10/19 10:08	05/11/19 19:44	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	67.4	U	67.4	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.3	U	86.3	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.9	U	45.9	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		28 - 127	85%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.5		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.9		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 - 133	85%	SPK: 150
1718-51-0	Terphenyl-d14	64.2		37 - 115	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49082	7.77			
1146-65-2	Naphthalene-d8	165328	10.56			
15067-26-2	Acenaphthene-d10	100735	14.41			
1517-22-2	Phenanthrene-d10	245441	17.16			
1719-03-5	Chrysene-d12	270628	21.35			
1520-96-3	Perylene-d12	320526	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	3800	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J N		18.04	ug/Kg

6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020281.D	1	05/10/19 10:08	05/11/19 20:20	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	68.1	U	68.1	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	71.6	U	71.6	360	ug/Kg
95-48-7	2-Methylphenol	76.3	U	76.3	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.2	U	96.2	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	91.5	U	91.5	360	ug/Kg
98-95-3	Nitrobenzene	47.1	U	47.1	360	ug/Kg
78-59-1	Isophorone	39.8	U	39.8	360	ug/Kg
88-75-5	2-Nitrophenol	82.9	U J	82.9	360	ug/Kg
105-67-9	2,4-Dimethylphenol	59.9	U	59.9	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.9	U	55.9	360	ug/Kg
120-83-2	2,4-Dichlorophenol	55.7	U	55.7	360	ug/Kg
91-20-3	Naphthalene	54.1	U	54.1	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	66	U	66	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.3	U	64.3	360	ug/Kg
91-57-6	2-Methylnaphthalene	66.8	U	66.8	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65.7	U	65.7	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.2	U	64.2	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	81.9	U	81.9	360	ug/Kg
88-74-4	2-Nitroaniline	75.5	U	75.5	360	ug/Kg
131-11-3	Dimethylphthalate	220	J	54.9	360	ug/Kg
208-96-8	Acenaphthylene	65.1	U	65.1	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	76.8	U	76.8	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020281.D	1	05/10/19 10:08	05/11/19 20:20	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	73.7	U	73.7	360	ug/Kg
51-28-5	2,4-Dinitrophenol	95.2	U J	95.2	360	ug/Kg
100-02-7	4-Nitrophenol	70.1	U	70.1	360	ug/Kg
132-64-9	Dibenzofuran	97.6	U	97.6	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.4	U	90.4	360	ug/Kg
84-66-2	Diethylphthalate	68.7	U	68.7	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.6	U	90.6	360	ug/Kg
86-73-7	Fluorene	55.3	U	55.3	360	ug/Kg
100-01-6	4-Nitroaniline	95.1	U	95.1	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.8	U J	75.8	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84	U	84	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.3	U	61.3	360	ug/Kg
118-74-1	Hexachlorobenzene	72.2	U	72.2	360	ug/Kg
1912-24-9	Atrazine	86.3	U	86.3	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	62	U	62	360	ug/Kg
120-12-7	Anthracene	60.5	U	60.5	360	ug/Kg
86-74-8	Carbazole	97.6	U	97.6	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	53.7	U	53.7	360	ug/Kg
129-00-0	Pyrene	66.1	U	66.1	360	ug/Kg
85-68-7	Butylbenzylphthalate	69.3	U	69.3	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	40.8	U	40.8	360	ug/Kg
218-01-9	Chrysene	46.2	U	46.2	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	360	ug/Kg
117-84-0	Di-n-octyl phthalate	77.4	U	77.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.8	U	52.8	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.2	U	61.2	360	ug/Kg
50-32-8	Benzo(a)pyrene	48.2	U	48.2	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.5	U J	78.5	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.8	U	56.8	360	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020281.D	1	05/10/19 10:08	05/11/19 20:20	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	66.4	U	66.4	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	85	U	85	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.2	U	45.2	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		28 - 127	91%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.8		31 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.5		39 - 123	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		30 - 133	89%	SPK: 150
1718-51-0	Terphenyl-d14	67.2		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	46335	7.76			
1146-65-2	Naphthalene-d8	157216	10.56			
15067-26-2	Acenaphthene-d10	93173	14.41			
1517-22-2	Phenanthrene-d10	218470	17.16			
1719-03-5	Chrysene-d12	235295	21.35			
1520-96-3	Perylene-d12	281322	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4000	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J N		18.04	ug/Kg
~~079392-43-1~~	~~Trifluoroacetic acid, n-octadecyl~~ unknown	110	J		21.04	ug/Kg
	unknown22.40	75	J		22.4	ug/Kg

6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	5.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020282.D	1	05/10/19 10:08	05/11/19 20:56	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	100	U	100	350	ug/Kg
108-95-2	Phenol	66.3	U	66.3	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	350	ug/Kg
95-57-8	2-Chlorophenol	69.7	U	69.7	350	ug/Kg
95-48-7	2-Methylphenol	74.3	U	74.3	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.7	U	93.7	350	ug/Kg
98-86-2	Acetophenone	98.5	U	98.5	350	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	350	ug/Kg
67-72-1	Hexachloroethane	89.2	U	89.2	350	ug/Kg
98-95-3	Nitrobenzene	45.8	U	45.8	350	ug/Kg
78-59-1	Isophorone	38.8	U	38.8	350	ug/Kg
88-75-5	2-Nitrophenol	80.8	U J	80.8	350	ug/Kg
105-67-9	2,4-Dimethylphenol	58.4	U	58.4	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.4	U	54.4	350	ug/Kg
120-83-2	2,4-Dichlorophenol	54.3	U	54.3	350	ug/Kg
91-20-3	Naphthalene	52.7	U	52.7	350	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	350	ug/Kg
87-68-3	Hexachlorobutadiene	64.3	U	64.3	350	ug/Kg
105-60-2	Caprolactam	120	U	120	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	62.6	U	62.6	350	ug/Kg
91-57-6	2-Methylnaphthalene	65.1	U	65.1	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	64	U	64	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.6	U	62.6	350	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	350	ug/Kg
91-58-7	2-Chloronaphthalene	79.8	U	79.8	350	ug/Kg
88-74-4	2-Nitroaniline	73.6	U	73.6	350	ug/Kg
131-11-3	Dimethylphthalate	240	J	53.5	350	ug/Kg
208-96-8	Acenaphthylene	63.4	U	63.4	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	74.8	U	74.8	350	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	5.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020282.D	1	05/10/19 10:08	05/11/19 20:56	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	350	ug/Kg
83-32-9	Acenaphthene	71.8	U	71.8	350	ug/Kg
51-28-5	2,4-Dinitrophenol	92.7	U J	92.7	350	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	350	ug/Kg
132-64-9	Dibenzofuran	95.1	U	95.1	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	88	U	88	350	ug/Kg
84-66-2	Diethylphthalate	66.9	U	66.9	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.3	U	88.3	350	ug/Kg
86-73-7	Fluorene	53.9	U	53.9	350	ug/Kg
100-01-6	4-Nitroaniline	92.7	U	92.7	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.9	U J	73.9	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.9	U	81.9	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	59.7	U	59.7	350	ug/Kg
118-74-1	Hexachlorobenzene	70.4	U	70.4	350	ug/Kg
1912-24-9	Atrazine	84	U	84	350	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	350	ug/Kg
85-01-8	Phenanthrene	60.4	U	60.4	350	ug/Kg
120-12-7	Anthracene	59	U	59	350	ug/Kg
86-74-8	Carbazole	95.1	U	95.1	350	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	350	ug/Kg
206-44-0	Fluoranthene	52.3	U	52.3	350	ug/Kg
129-00-0	Pyrene	64.4	U	64.4	350	ug/Kg
85-68-7	Butylbenzylphthalate	67.5	U	67.5	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	350	ug/Kg
56-55-3	Benzo(a)anthracene	39.8	U	39.8	350	ug/Kg
218-01-9	Chrysene	45	U	45	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	350	ug/Kg
117-84-0	Di-n-octyl phthalate	75.4	U	75.4	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.5	U	51.5	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.6	U	59.6	350	ug/Kg
50-32-8	Benzo(a)pyrene	46.9	U	46.9	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	76.5	U J	76.5	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.4	U	55.4	350	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	5.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020282.D	1	05/10/19 10:08	05/11/19 20:56	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	64.7	U	64.7	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	82.8	U	82.8	350	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	350	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	139		28 - 127	93%	SPK: 150
13127-88-3	Phenol-d6	135		34 - 127	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		31 - 132	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.6		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		30 - 133	102%	SPK: 150
1718-51-0	Terphenyl-d14	73.7		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58501	7.77			
1146-65-2	Naphthalene-d8	196168	10.56			
15067-26-2	Acenaphthene-d10	120592	14.41			
1517-22-2	Phenanthrene-d10	293663	17.16			
1719-03-5	Chrysene-d12	321514	21.35			
1520-96-3	Perylene-d12	381560	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4000	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J N		18.04	ug/Kg
079392-43-1	Trifluoroacetic acid, n-octadecyl	260	J N		21.04	ug/Kg

6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114155.D	1	05/10/19 10:08	05/11/19 14:28	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	440	ug/Kg
108-95-2	Phenol	84	U	84	440	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	440	ug/Kg
95-57-8	2-Chlorophenol	88.3	U	88.3	440	ug/Kg
95-48-7	2-Methylphenol	94.1	U	94.1	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	440	ug/Kg
98-86-2	Acetophenone	120	U	120	440	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	440	ug/Kg
67-72-1	Hexachloroethane	110	U	110	440	ug/Kg
98-95-3	Nitrobenzene	58.1	U	58.1	440	ug/Kg
78-59-1	Isophorone	49.1	U	49.1	440	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	440	ug/Kg
105-67-9	2,4-Dimethylphenol	74	U	74	440	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	69	U	69	440	ug/Kg
120-83-2	2,4-Dichlorophenol	68.7	U	68.7	440	ug/Kg
91-20-3	Naphthalene	66.7	U	66.7	440	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	440	ug/Kg
87-68-3	Hexachlorobutadiene	81.4	U	81.4	440	ug/Kg
105-60-2	Caprolactam	150	U	150	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.3	U	79.3	440	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	440	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	300	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.1	U	81.1	440	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.3	U	79.3	440	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	440	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	440	ug/Kg
88-74-4	2-Nitroaniline	93.2	U	93.2	440	ug/Kg
131-11-3	Dimethylphthalate	360	J	67.7	440	ug/Kg
208-96-8	Acenaphthylene	80.4	U	80.4	440	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.7	U	94.7	440	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114155.D	1	05/10/19 10:08	05/11/19 14:28	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	440	ug/Kg
83-32-9	Acenaphthene	90.9	U	90.9	440	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	440	ug/Kg
100-02-7	4-Nitrophenol	86.6	U	86.6	440	ug/Kg
132-64-9	Dibenzofuran	120	U	120	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	440	ug/Kg
84-66-2	Diethylphthalate	84.7	U	84.7	440	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	440	ug/Kg
86-73-7	Fluorene	68.3	U	68.3	440	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.6	U	93.6	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	440	ug/Kg
101-55-3	4-Bromophenyl-phenylether	75.6	U	75.6	440	ug/Kg
118-74-1	Hexachlorobenzene	89.1	U	89.1	440	ug/Kg
1912-24-9	Atrazine	110	U	110	440	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	440	ug/Kg
85-01-8	Phenanthrene	76.5	U	76.5	440	ug/Kg
120-12-7	Anthracene	74.7	U	74.7	440	ug/Kg
86-74-8	Carbazole	120	U	120	440	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	440	ug/Kg
206-44-0	Fluoranthene	94.5	J	66.3	440	ug/Kg
129-00-0	Pyrene	81.6	U	81.6	440	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	U	85.5	440	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	440	ug/Kg
56-55-3	Benzo(a)anthracene	50.4	U	50.4	440	ug/Kg
218-01-9	Chrysene	57	U	57	440	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	440	ug/Kg
117-84-0	Di-n-octyl phthalate	95.6	U	95.6	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	65.2	U	65.2	440	ug/Kg
207-08-9	Benzo(k)fluoranthene	75.5	U	75.5	440	ug/Kg
50-32-8	Benzo(a)pyrene	59.4	U	59.4	440	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.9	U	96.9	440	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70.1	U	70.1	440	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114155.D	1	05/10/19 10:08	05/11/19 14:28	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	81.9	U	81.9	440	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	440	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	440	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.8	U	55.8	440	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		28 - 127	73%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.7		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.2		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		30 - 133	76%	SPK: 150
1718-51-0	Terphenyl-d14	76.7		37 - 115	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	296802	6.85			
1146-65-2	Naphthalene-d8	1236120	8.13			
15067-26-2	Acenaphthene-d10	592198	9.88			
1517-22-2	Phenanthrene-d10	1135660	11.37			
1719-03-5	Chrysene-d12	661232	14			
1520-96-3	Perylene-d12	710848	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane,-2-methoxy-2-methyl-~~ unknown	1300	J		2.15	ug/Kg
	unknown6.63	3900	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	250	J N		11.89	ug/Kg
000057-11-4	Octadecanoic acid	180	J N		12.67	ug/Kg
038775-38-1	1-Hexadecanesulfonyl chloride	230	J N		13.84	ug/Kg
000593-45-3	Octadecane	170	J N		14.47	ug/Kg
000646-31-1	Tetracosane	180	J N		14.78	ug/Kg
067860-04-2	Oxirane, heptadecyl-	91.2	J N		14.92	ug/Kg
000593-49-7	Heptacosane	300	J N		15.12	ug/Kg
000629-94-7	Heneicosane	190	J N		16.43	ug/Kg
~~023707-65-5~~	~~Anthracene, 9-(2-propenyl)-~~ unknown	110	J		17.22	ug/Kg
	unknown17.27	190	J		17.27	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114155.D	1	05/10/19 10:08	05/11/19 14:28	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114156.D	1	05/10/19 10:08	05/11/19 14:54	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74	U	74	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.8	U	77.8	390	ug/Kg
95-48-7	2-Methylphenol	82.9	U	82.9	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	99.5	U	99.5	390	ug/Kg
98-95-3	Nitrobenzene	51.2	U	51.2	390	ug/Kg
78-59-1	Isophorone	43.3	U	43.3	390	ug/Kg
88-75-5	2-Nitrophenol	90.1	U	90.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.2	U	65.2	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.7	U	60.7	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.5	U	60.5	390	ug/Kg
91-20-3	Naphthalene	58.8	U	58.8	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.7	U	71.7	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.9	U	69.9	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.6	U	72.6	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.8	U	69.8	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89	U	89	390	ug/Kg
88-74-4	2-Nitroaniline	82.1	U	82.1	390	ug/Kg
131-11-3	Dimethylphthalate	380	J	59.6	390	ug/Kg
208-96-8	Acenaphthylene	70.8	U	70.8	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.4	U	83.4	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114156.D	1	05/10/19 10:08	05/11/19 14:54	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80.1	U	80.1	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.2	U	76.2	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.2	U	98.2	390	ug/Kg
84-66-2	Diethylphthalate	74.6	U	74.6	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	390	ug/Kg
86-73-7	Fluorene	60.1	U	60.1	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.4	U	82.4	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.3	U	91.3	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.6	U	66.6	390	ug/Kg
118-74-1	Hexachlorobenzene	78.5	U	78.5	390	ug/Kg
1912-24-9	Atrazine	93.8	U	93.8	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	67.4	U	67.4	390	ug/Kg
120-12-7	Anthracene	65.8	U	65.8	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	58.4	U	58.4	390	ug/Kg
129-00-0	Pyrene	71.9	U	71.9	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.3	U	75.3	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	44.4	U	44.4	390	ug/Kg
218-01-9	Chrysene	50.2	U	50.2	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84.2	U	84.2	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.4	U	57.4	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	66.5	U	66.5	390	ug/Kg
50-32-8	Benzo(a)pyrene	52.4	U	52.4	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.4	U	85.4	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.8	U	61.8	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114156.D	1	05/10/19 10:08	05/11/19 14:54	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	72.1	U	72.1	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.3	U	92.3	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.1	U	49.1	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		28 - 127	78%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.1		31 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.8		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	77.9		37 - 115	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	304560	6.85			
1146-65-2	Naphthalene-d8	1128780	8.13			
15067-26-2	Acenaphthene-d10	573271	9.88			
1517-22-2	Phenanthrene-d10	1121970	11.37			
1719-03-5	Chrysene-d12	635488	14			
1520-96-3	Perylene-d12	678084	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	1300	J		2.14	ug/Kg
	unknown6.63	3500	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		11.89	ug/Kg
000057-11-4	Octadecanoic acid	120	J		12.67	ug/Kg
015594-90-8	1-Heneicosanol	570	J		13.84	ug/Kg
000630-01-3	Hexacosane	92.9	J		14.17	ug/Kg
007098-21-7	Tritetracontane	170	J		14.48	ug/Kg
000629-94-7	Heneicosane	120	J		14.79	ug/Kg
000629-97-0	Docosane	220	J		15.12	ug/Kg
000295-48-7	Cyclopentadecane	100	J		15.99	ug/Kg
~~004545-68-0~~	~~1,3a-Ethano-3aH-indene, 1,2,3,6,7,~~ unknown	83.8	J		17.27	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114156.D	1	05/10/19 10:08	05/11/19 14:54	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020284.D	1	05/10/19 10:08	05/11/19 22:08	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	100	U	100	350	ug/Kg
108-95-2	Phenol	67.3	U	67.3	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	350	ug/Kg
95-57-8	2-Chlorophenol	70.8	U	70.8	350	ug/Kg
95-48-7	2-Methylphenol	75.4	U	75.4	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.1	U	95.1	350	ug/Kg
98-86-2	Acetophenone	100	U	100	350	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	350	ug/Kg
67-72-1	Hexachloroethane	90.5	U	90.5	350	ug/Kg
98-95-3	Nitrobenzene	46.6	U	46.6	350	ug/Kg
78-59-1	Isophorone	39.4	U	39.4	350	ug/Kg
88-75-5	2-Nitrophenol	82	U	82	350	ug/Kg
105-67-9	2,4-Dimethylphenol	59.3	U	59.3	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.3	U	55.3	350	ug/Kg
120-83-2	2,4-Dichlorophenol	55.1	U	55.1	350	ug/Kg
91-20-3	Naphthalene	53.5	U	53.5	350	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	350	ug/Kg
87-68-3	Hexachlorobutadiene	65.3	U	65.3	350	ug/Kg
105-60-2	Caprolactam	120	U	120	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	63.6	U	63.6	350	ug/Kg
91-57-6	2-Methylnaphthalene	66.1	U	66.1	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65	U	65	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.5	U	63.5	350	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	350	ug/Kg
91-58-7	2-Chloronaphthalene	81	U	81	350	ug/Kg
88-74-4	2-Nitroaniline	74.7	U	74.7	350	ug/Kg
131-11-3	Dimethylphthalate	270	J	54.3	350	ug/Kg
208-96-8	Acenaphthylene	64.4	U	64.4	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	75.9	U	75.9	350	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020284.D	1	05/10/19 10:08	05/11/19 22:08	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	350	ug/Kg
83-32-9	Acenaphthene	72.9	U	72.9	350	ug/Kg
51-28-5	2,4-Dinitrophenol	94.2	UJ	94.2	350	ug/Kg
100-02-7	4-Nitrophenol	69.4	U	69.4	350	ug/Kg
132-64-9	Dibenzofuran	96.6	U	96.6	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.4	U	89.4	350	ug/Kg
84-66-2	Diethylphthalate	67.9	U	67.9	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.6	U	89.6	350	ug/Kg
86-73-7	Fluorene	54.7	U	54.7	350	ug/Kg
100-01-6	4-Nitroaniline	94.1	U	94.1	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75	UJ	75	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.1	U	83.1	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	60.6	U	60.6	350	ug/Kg
118-74-1	Hexachlorobenzene	71.5	U	71.5	350	ug/Kg
1912-24-9	Atrazine	85.3	U	85.3	350	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	350	ug/Kg
85-01-8	Phenanthrene	61.3	U	61.3	350	ug/Kg
120-12-7	Anthracene	59.9	U	59.9	350	ug/Kg
86-74-8	Carbazole	96.5	U	96.5	350	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	350	ug/Kg
206-44-0	Fluoranthene	53.1	U	53.1	350	ug/Kg
129-00-0	Pyrene	65.4	U	65.4	350	ug/Kg
85-68-7	Butylbenzylphthalate	68.6	U	68.6	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	350	ug/Kg
56-55-3	Benzo(a)anthracene	40.4	U	40.4	350	ug/Kg
218-01-9	Chrysene	45.7	U	45.7	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.9	U	98.9	350	ug/Kg
117-84-0	Di-n-octyl phthalate	76.6	U	76.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.3	U	52.3	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.5	U	60.5	350	ug/Kg
50-32-8	Benzo(a)pyrene	47.6	U	47.6	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.7	UJ	77.7	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.2	U	56.2	350	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020284.D	1	05/10/19 10:08	05/11/19 22:08	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	65.7	U	65.7	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	84	U	84	350	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.7	U	44.7	350	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	140		28 - 127	93%	SPK: 150
13127-88-3	Phenol-d6	137		34 - 127	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.6		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		39 - 123	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		30 - 133	101%	SPK: 150
1718-51-0	Terphenyl-d14	78.4		37 - 115	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56553	7.77			
1146-65-2	Naphthalene-d8	192838	10.56			
15067-26-2	Acenaphthene-d10	117537	14.41			
1517-22-2	Phenanthrene-d10	292681	17.16			
1719-03-5	Chrysene-d12	314483	21.35			
1520-96-3	Perylene-d12	368465	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4000	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J N		18.04	ug/Kg
079392-43-1	Trifluoroacetic acid, n-octadecyl	310	J N		21.04	ug/Kg
~~000593-45-3~~	Octadecane Unknown	72.7	J		22.39	ug/Kg

6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020285.D	1	05/10/19 10:08	05/11/19 22:44	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	68.1	U	68.1	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	71.6	U	71.6	360	ug/Kg
95-48-7	2-Methylphenol	76.3	U	76.3	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.2	U	96.2	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	91.6	U	91.6	360	ug/Kg
98-95-3	Nitrobenzene	47.1	U	47.1	360	ug/Kg
78-59-1	Isophorone	39.8	U	39.8	360	ug/Kg
88-75-5	2-Nitrophenol	82.9	U	82.9	360	ug/Kg
105-67-9	2,4-Dimethylphenol	60	U	60	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.9	U	55.9	360	ug/Kg
120-83-2	2,4-Dichlorophenol	55.7	U	55.7	360	ug/Kg
91-20-3	Naphthalene	54.1	U	54.1	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	66	U	66	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.3	U	64.3	360	ug/Kg
91-57-6	2-Methylnaphthalene	66.8	U	66.8	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65.7	U	65.7	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.3	U	64.3	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	81.9	U	81.9	360	ug/Kg
88-74-4	2-Nitroaniline	75.6	U	75.6	360	ug/Kg
131-11-3	Dimethylphthalate	250	J	54.9	360	ug/Kg
208-96-8	Acenaphthylene	65.2	U	65.2	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	76.8	U	76.8	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020285.D	1	05/10/19 10:08	05/11/19 22:44	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	73.7	U	73.7	360	ug/Kg
51-28-5	2,4-Dinitrophenol	95.2	UJ	95.2	360	ug/Kg
100-02-7	4-Nitrophenol	70.2	U	70.2	360	ug/Kg
132-64-9	Dibenzofuran	97.7	U	97.7	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.4	U	90.4	360	ug/Kg
84-66-2	Diethylphthalate	68.7	U	68.7	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	360	ug/Kg
86-73-7	Fluorene	55.4	U	55.4	360	ug/Kg
100-01-6	4-Nitroaniline	95.1	U	95.1	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.9	UJ	75.9	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.1	U	84.1	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.3	U	61.3	360	ug/Kg
118-74-1	Hexachlorobenzene	72.3	U	72.3	360	ug/Kg
1912-24-9	Atrazine	86.3	U	86.3	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	62	U	62	360	ug/Kg
120-12-7	Anthracene	60.6	U	60.6	360	ug/Kg
86-74-8	Carbazole	97.6	U	97.6	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	53.8	U	53.8	360	ug/Kg
129-00-0	Pyrene	66.2	U	66.2	360	ug/Kg
85-68-7	Butylbenzylphthalate	69.3	U	69.3	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	40.9	U	40.9	360	ug/Kg
218-01-9	Chrysene	46.2	U	46.2	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	360	ug/Kg
117-84-0	Di-n-octyl phthalate	77.5	U	77.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.9	U	52.9	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.2	U	61.2	360	ug/Kg
50-32-8	Benzo(a)pyrene	48.2	U	48.2	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.6	UJ	78.6	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.8	U	56.8	360	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	8.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020285.D	1	05/10/19 10:08	05/11/19 22:44	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	66.4	U	66.4	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	85	U	85	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.2	U	45.2	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		28 - 127	99%	SPK: 150
13127-88-3	Phenol-d6	143		34 - 127	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.6		31 - 132	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.9		39 - 123	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		30 - 133	101%	SPK: 150
1718-51-0	Terphenyl-d14	75.8		37 - 115	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58865	7.76			
1146-65-2	Naphthalene-d8	201842	10.56			
15067-26-2	Acenaphthene-d10	123003	14.41			
1517-22-2	Phenanthrene-d10	300748	17.16			
1719-03-5	Chrysene-d12	332659	21.35			
1520-96-3	Perylene-d12	386570	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4400	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J N		18.04	ug/Kg
000506-51-4	1-Tetracosanol	98.2	J N		21.04	ug/Kg

E 6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040890.D	1	05/10/19 10:08	05/12/19 01:33	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	100	U	100	350	ug/Kg
108-95-2	Phenol	67	U	67	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	350	ug/Kg
95-57-8	2-Chlorophenol	70.4	U	70.4	350	ug/Kg
95-48-7	2-Methylphenol	75	U	75	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	94.6	U	94.6	350	ug/Kg
98-86-2	Acetophenone	99.4	U	99.4	350	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	350	ug/Kg
67-72-1	Hexachloroethane	90	U	90	350	ug/Kg
98-95-3	Nitrobenzene	46.3	U	46.3	350	ug/Kg
78-59-1	Isophorone	39.2	U	39.2	350	ug/Kg
88-75-5	2-Nitrophenol	81.5	U J	81.5	350	ug/Kg
105-67-9	2,4-Dimethylphenol	59	U	59	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55	U	55	350	ug/Kg
120-83-2	2,4-Dichlorophenol	54.8	U	54.8	350	ug/Kg
91-20-3	Naphthalene	53.2	U	53.2	350	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	350	ug/Kg
87-68-3	Hexachlorobutadiene	64.9	U	64.9	350	ug/Kg
105-60-2	Caprolactam	120	U	120	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	63.2	U	63.2	350	ug/Kg
91-57-6	2-Methylnaphthalene	65.7	U	65.7	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	64.6	U	64.6	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.2	U	63.2	350	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	350	ug/Kg
91-58-7	2-Chloronaphthalene	80.5	U	80.5	350	ug/Kg
88-74-4	2-Nitroaniline	74.3	U	74.3	350	ug/Kg
131-11-3	Dimethylphthalate	630		54	350	ug/Kg
208-96-8	Acenaphthylene	64	U	64	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	75.5	U	75.5	350	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040890.D	1	05/10/19 10:08	05/12/19 01:33	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	350	ug/Kg
83-32-9	Acenaphthene	72.4	U	72.4	350	ug/Kg
51-28-5	2,4-Dinitrophenol	93.6	U J	93.6	350	ug/Kg
100-02-7	4-Nitrophenol	69	U	69	350	ug/Kg
132-64-9	Dibenzofuran	96	U	96	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.9	U J	88.9	350	ug/Kg
84-66-2	Diethylphthalate	67.5	U	67.5	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.1	U	89.1	350	ug/Kg
86-73-7	Fluorene	54.4	U	54.4	350	ug/Kg
100-01-6	4-Nitroaniline	93.5	U	93.5	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.6	U J	74.6	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.6	U	82.6	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	60.3	U	60.3	350	ug/Kg
118-74-1	Hexachlorobenzene	71	U	71	350	ug/Kg
1912-24-9	Atrazine	84.8	U	84.8	350	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	350	ug/Kg
85-01-8	Phenanthrene	61	U	61	350	ug/Kg
120-12-7	Anthracene	59.5	U	59.5	350	ug/Kg
86-74-8	Carbazole	96	U	96	350	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	350	ug/Kg
206-44-0	Fluoranthene	52.8	U	52.8	350	ug/Kg
129-00-0	Pyrene	65.1	U	65.1	350	ug/Kg
85-68-7	Butylbenzylphthalate	68.2	U	68.2	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	350	ug/Kg
56-55-3	Benzo(a)anthracene	40.2	U	40.2	350	ug/Kg
218-01-9	Chrysene	45.4	U	45.4	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.3	U	98.3	350	ug/Kg
117-84-0	Di-n-octyl phthalate	76.2	U	76.2	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	52	U	52	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.2	U	60.2	350	ug/Kg
50-32-8	Benzo(a)pyrene	47.4	U	47.4	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.2	U	77.2	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.9	U	55.9	350	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040890.D	1	05/10/19 10:08	05/12/19 01:33	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	65.3	U	65.3	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	83.6	U	83.6	350	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.5	U	44.5	350	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		28 - 127	99%	SPK: 150
13127-88-3	Phenol-d6	140		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		31 - 132	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.7		39 - 123	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179		30 - 133	120%	SPK: 150
1718-51-0	Terphenyl-d14	92.8		37 - 115	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	46069	8.13			
1146-65-2	Naphthalene-d8	179771	10.96			
15067-26-2	Acenaphthene-d10	130226	14.76			
1517-22-2	Phenanthrene-d10	366062	17.51			
1719-03-5	Chrysene-d12	379004	21.78			
1520-96-3	Perylene-d12	410441	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~860~~	~~J~~		~~3.22~~ R	ug/Kg
	~~unknown7.66~~	~~4000~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	140	J N		19.62	ug/Kg
000295-17-0	Cyclotetradecane	330	J N		21.38	ug/Kg
000593-45-3	Octadecane	84	J N		23.28	ug/Kg
~~000111-02-4~~	Squalene- unknown	77.3	J		23.48	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040890.D	1	05/10/19 10:08	05/12/19 01:33	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040897.D	1	05/10/19 10:08	05/12/19 07:14	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	420	ug/Kg
108-95-2	Phenol	80.1	U	80.1	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	84.2	U	84.2	420	ug/Kg
95-48-7	2-Methylphenol	89.8	U	89.8	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	55.4	U	55.4	420	ug/Kg
78-59-1	Isophorone	46.9	U	46.9	420	ug/Kg
88-75-5	2-Nitrophenol	97.6	U	97.6	420	ug/Kg
105-67-9	2,4-Dimethylphenol	70.6	U	70.6	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	65.8	U	65.8	420	ug/Kg
120-83-2	2,4-Dichlorophenol	65.6	U	65.6	420	ug/Kg
91-20-3	Naphthalene	63.6	U	63.6	420	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	420	ug/Kg
87-68-3	Hexachlorobutadiene	77.7	U	77.7	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75.6	U	75.6	420	ug/Kg
91-57-6	2-Methylnaphthalene	78.6	U	78.6	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.3	U	77.3	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.6	U	75.6	420	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	96.3	U	96.3	420	ug/Kg
88-74-4	2-Nitroaniline	88.9	U	88.9	420	ug/Kg
131-11-3	Dimethylphthalate	350	J	64.6	420	ug/Kg
208-96-8	Acenaphthylene	76.6	U	76.6	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.3	U	90.3	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040897.D	1	05/10/19 10:08	05/12/19 07:14	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	420	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	UJ	110	420	ug/Kg
100-02-7	4-Nitrophenol	82.5	U	82.5	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	UJ	110	420	ug/Kg
84-66-2	Diethylphthalate	80.8	U	80.8	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	65.1	U	65.1	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	89.2	UJ	89.2	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.9	U	98.9	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.1	U	72.1	420	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	72.9	U	72.9	420	ug/Kg
120-12-7	Anthracene	71.3	U	71.3	420	ug/Kg
86-74-8	Carbazole	110	U	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	420	ug/Kg
206-44-0	Fluoranthene	63.2	U	63.2	420	ug/Kg
129-00-0	Pyrene	77.8	U	77.8	420	ug/Kg
85-68-7	Butylbenzylphthalate	81.6	U	81.6	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	48.1	U	48.1	420	ug/Kg
218-01-9	Chrysene	54.4	U	54.4	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	91.1	U	91.1	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	62.2	U	62.2	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	72	U	72	420	ug/Kg
50-32-8	Benzo(a)pyrene	56.7	U	56.7	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92.4	U	92.4	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.9	U	66.9	420	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040897.D	1	05/10/19 10:08	05/12/19 07:14	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	78.1	U	78.1	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.2	U	53.2	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.6		28 - 127	48%	SPK: 150
13127-88-3	Phenol-d6	72.3		34 - 127	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.7		31 - 132	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	39.1		39 - 123	39%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.9		30 - 133	52%	SPK: 150
1718-51-0	Terphenyl-d14	37.7		37 - 115	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	102578	8.14			
1146-65-2	Naphthalene-d8	432680	10.96			
15067-26-2	Acenaphthene-d10	324841	14.76			
1517-22-2	Phenanthrene-d10	824049	17.51			
1719-03-5	Chrysene-d12	840346	21.79			
1520-96-3	Perylene-d12	915175	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~380~~	~~J~~		~~3.22~~ R	ug/Kg
	~~unknown7.66~~	~~2500~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		18.36	ug/Kg
~~959261-25-7~~	~~Pentafluoropropionic acid, octadec~~ unknown	88.6	J		21.38	ug/Kg

615/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040899.D	1	05/10/19 10:08	05/12/19 08:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81.7	U	81.7	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	85.9	U	85.9	430	ug/Kg
95-48-7	2-Methylphenol	91.5	U	91.5	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.4	U	56.4	430	ug/Kg
78-59-1	Isophorone	47.8	U	47.8	430	ug/Kg
88-75-5	2-Nitrophenol	99.4	U J	99.4	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.9	U	71.9	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67	U	67	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.8	U	66.8	430	ug/Kg
91-20-3	Naphthalene	64.8	U	64.8	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	79.1	U	79.1	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.1	U	77.1	430	ug/Kg
91-57-6	2-Methylnaphthalene	80.1	U	80.1	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.8	U	78.8	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77	U	77	430	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	430	ug/Kg
91-58-7	2-Chloronaphthalene	98.2	U	98.2	430	ug/Kg
88-74-4	2-Nitroaniline	90.6	U	90.6	430	ug/Kg
131-11-3	Dimethylphthalate	610		65.8	430	ug/Kg
208-96-8	Acenaphthylene	78.1	U	78.1	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.1	U	92.1	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040899.D	1	05/10/19 10:08	05/12/19 08:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	88.3	U	88.3	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	430	ug/Kg
100-02-7	4-Nitrophenol	84.1	U	84.1	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	82.4	U	82.4	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66.4	U	66.4	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.9	U	90.9	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73.5	U	73.5	430	ug/Kg
118-74-1	Hexachlorobenzene	86.6	U	86.6	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74.3	U	74.3	430	ug/Kg
120-12-7	Anthracene	72.6	U	72.6	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.4	U	64.4	430	ug/Kg
129-00-0	Pyrene	79.3	U	79.3	430	ug/Kg
85-68-7	Butylbenzylphthalate	83.1	U	83.1	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	49	U	49	430	ug/Kg
218-01-9	Chrysene	55.4	U	55.4	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	92.9	U	92.9	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63.4	U	63.4	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.4	U	73.4	430	ug/Kg
50-32-8	Benzo(a)pyrene	57.8	U	57.8	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.2	U	94.2	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.2	U	68.2	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040899.D	1	05/10/19 10:08	05/12/19 08:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79.6	U	79.6	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.2	U	54.2	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124		28 - 127	83%	SPK: 150
13127-88-3	Phenol-d6	123		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.1		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	71		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		30 - 133	87%	SPK: 150
1718-51-0	Terphenyl-d14	70.3		37 - 115	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50677	8.13			
1146-65-2	Naphthalene-d8	212558	10.95			
15067-26-2	Acenaphthene-d10	159768	14.76			
1517-22-2	Phenanthrene-d10	404472	17.5			
1719-03-5	Chrysene-d12	406818	21.79			
1520-96-3	Perylene-d12	432602	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	670	J		3.22 R	ug/Kg
	unknown7.66	4300	JB		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	400	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	120	J N		19.62	ug/Kg
000297-03-0	Cyclotetracosane	360	J N		21.39	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	95.1	J N		23.28	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	ul.	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040899.D	1	05/10/19 10:08	05/12/19 08:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040889.D	1	05/10/19 10:08	05/12/19 00:55	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	76.1	U	76.1	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	80	U	80	400	ug/Kg
95-48-7	2-Methylphenol	85.3	U	85.3	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.6	U	52.6	400	ug/Kg
78-59-1	Isophorone	44.5	U	44.5	400	ug/Kg
88-75-5	2-Nitrophenol	92.7	U	92.7	400	ug/Kg
105-67-9	2,4-Dimethylphenol	67	U	67	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.5	U	62.5	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62.3	U	62.3	400	ug/Kg
91-20-3	Naphthalene	60.4	U	60.4	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	73.8	U	73.8	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.9	U	71.9	400	ug/Kg
91-57-6	2-Methylnaphthalene	74.7	U	74.7	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.5	U	73.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	71.8	U	71.8	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91.5	U	91.5	400	ug/Kg
88-74-4	2-Nitroaniline	84.4	U	84.4	400	ug/Kg
131-11-3	Dimethylphthalate	380	J	61.4	400	ug/Kg
208-96-8	Acenaphthylene	72.8	U	72.8	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.8	U	85.8	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040889.D	1	05/10/19 10:08	05/12/19 00:55	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82.4	U	82.4	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.4	U	78.4	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U J	100	400	ug/Kg
84-66-2	Diethylphthalate	76.8	U	76.8	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.9	U	61.9	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	84.8	U J	84.8	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.5	U	68.5	400	ug/Kg
118-74-1	Hexachlorobenzene	80.8	U	80.8	400	ug/Kg
1912-24-9	Atrazine	96.5	U	96.5	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	69.3	U	69.3	400	ug/Kg
120-12-7	Anthracene	67.7	U	67.7	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	60.1	U	60.1	400	ug/Kg
129-00-0	Pyrene	74	U	74	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.5	U	77.5	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	45.7	U	45.7	400	ug/Kg
218-01-9	Chrysene	51.7	U	51.7	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.6	U	86.6	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.1	U	59.1	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	68.4	U	68.4	400	ug/Kg
50-32-8	Benzo(a)pyrene	53.9	U	53.9	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.8	U	87.8	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.5	U	63.5	400	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040889.D	1	05/10/19 10:08	05/12/19 00:55	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	74.2	U	74.2	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95	U	95	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.6	U	50.6	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.7		28 - 127	50%	SPK: 150
13127-88-3	Phenol-d6	75.7		34 - 127	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.7		31 - 132	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.2		39 - 123	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.4		30 - 133	62%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		37 - 115	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	46956	8.13			
1146-65-2	Naphthalene-d8	188359	10.96			
15067-26-2	Acenaphthene-d10	147426	14.76			
1517-22-2	Phenanthrene-d10	401241	17.5			
1719-03-5	Chrysene-d12	409849	21.78			
1520-96-3	Perylene-d12	437092	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane,2-methoxy-2-methyl-~~	~~430~~	~~J~~		~~3.22~~ R	ug/Kg
	~~unknown7.65~~	~~2400~~	~~J~~		~~7.65~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	130	J N		19.62	ug/Kg

6/15/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040896.D	1	05/10/19 10:08	05/12/19 06:36	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74.8	U	74.8	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78.7	U	78.7	390	ug/Kg
95-48-7	2-Methylphenol	83.8	U	83.8	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	100	U	100	390	ug/Kg
98-95-3	Nitrobenzene	51.7	U	51.7	390	ug/Kg
78-59-1	Isophorone	43.8	U	43.8	390	ug/Kg
88-75-5	2-Nitrophenol	91.1	UJ	91.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.9	U	65.9	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.4	U	61.4	390	ug/Kg
120-83-2	2,4-Dichlorophenol	61.2	U	61.2	390	ug/Kg
91-20-3	Naphthalene	59.4	U	59.4	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	72.5	U	72.5	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.6	U	70.6	390	ug/Kg
91-57-6	2-Methylnaphthalene	73.4	U	73.4	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.2	U	72.2	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.6	U	70.6	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	90	U	90	390	ug/Kg
88-74-4	2-Nitroaniline	83	U	83	390	ug/Kg
131-11-3	Dimethylphthalate	640		60.3	390	ug/Kg
208-96-8	Acenaphthylene	71.6	U	71.6	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.4	U	84.4	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040896.D	1	05/10/19 10:08	05/12/19 06:36	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	81	U	81	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UJ	100	390	ug/Kg
100-02-7	4-Nitrophenol	77.1	U	77.1	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.3	UJ	99.3	390	ug/Kg
84-66-2	Diethylphthalate	75.5	U	75.5	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.6	U	99.6	390	ug/Kg
86-73-7	Fluorene	60.8	U	60.8	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.3	UJ	83.3	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.4	U	92.4	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.3	U	67.3	390	ug/Kg
118-74-1	Hexachlorobenzene	79.4	U	79.4	390	ug/Kg
1912-24-9	Atrazine	94.8	U	94.8	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	68.1	U	68.1	390	ug/Kg
120-12-7	Anthracene	66.6	U	66.6	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	59.1	U	59.1	390	ug/Kg
129-00-0	Pyrene	72.7	U	72.7	390	ug/Kg
85-68-7	Butylbenzylphthalate	76.2	U	76.2	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	44.9	U	44.9	390	ug/Kg
218-01-9	Chrysene	50.8	U	50.8	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	85.1	U	85.1	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.1	U	58.1	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.3	U	67.3	390	ug/Kg
50-32-8	Benzo(a)pyrene	52.9	U	52.9	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.3	U	86.3	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.5	U	62.5	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040896.D	1	05/10/19 10:08	05/12/19 06:36	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	73	U	73	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.4	U	93.4	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	140		28 - 127	94%	SPK: 150
13127-88-3	Phenol-d6	141		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.7		31 - 132	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.9		39 - 123	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		30 - 133	108%	SPK: 150
1718-51-0	Terphenyl-d14	88.8		37 - 115	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53876	8.13			
1146-65-2	Naphthalene-d8	219933	10.96			
15067-26-2	Acenaphthene-d10	167611	14.76			
1517-22-2	Phenanthrene-d10	427319	17.51			
1719-03-5	Chrysene-d12	441425	21.78			
1520-96-3	Perylene-d12	479768	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	730	J		3.22 R	ug/Kg
	unknown7.66	4600	JB		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	470	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	200	J N		19.62	ug/Kg
036653-82-4	1-Hexadecanol	440	J N		21.38	ug/Kg
000593-45-3	Octadecane	120	J N		23.28	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.7
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040896.D	1	05/10/19 10:08	05/12/19 06:36	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040882.D	1	05/10/19 10:08	05/11/19 20:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	69.3	U	69.3	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	72.9	U	72.9	360	ug/Kg
95-48-7	2-Methylphenol	77.6	U	77.6	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.9	U	97.9	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	93.1	U	93.1	360	ug/Kg
98-95-3	Nitrobenzene	47.9	U	47.9	360	ug/Kg
78-59-1	Isophorone	40.5	U	40.5	360	ug/Kg
88-75-5	2-Nitrophenol	84.4	U J	84.4	360	ug/Kg
105-67-9	2,4-Dimethylphenol	61	U	61	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.9	U	56.9	360	ug/Kg
120-83-2	2,4-Dichlorophenol	56.7	U	56.7	360	ug/Kg
91-20-3	Naphthalene	55	U	55	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	67.2	U	67.2	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.4	U	65.4	360	ug/Kg
91-57-6	2-Methylnaphthalene	68	U	68	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	66.9	U	66.9	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.4	U	65.4	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	360	ug/Kg
88-74-4	2-Nitroaniline	76.9	U	76.9	360	ug/Kg
131-11-3	Dimethylphthalate	220	J	55.8	360	ug/Kg
208-96-8	Acenaphthylene	66.3	U	66.3	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.1	U	78.1	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040882.D	1	05/10/19 10:08	05/11/19 20:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	75	U	75	360	ug/Kg
51-28-5	2,4-Dinitrophenol	96.9	U	96.9	360	ug/Kg
100-02-7	4-Nitrophenol	71.4	U	71.4	360	ug/Kg
132-64-9	Dibenzofuran	99.3	U	99.3	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92	U	92	360	ug/Kg
84-66-2	Diethylphthalate	69.9	U	69.9	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.2	U	92.2	360	ug/Kg
86-73-7	Fluorene	56.3	U	56.3	360	ug/Kg
100-01-6	4-Nitroaniline	96.8	U	96.8	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.2	U	77.2	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.5	U	85.5	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.4	U	62.4	360	ug/Kg
118-74-1	Hexachlorobenzene	73.5	U	73.5	360	ug/Kg
1912-24-9	Atrazine	87.8	U	87.8	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	63.1	U	63.1	360	ug/Kg
120-12-7	Anthracene	61.6	U	61.6	360	ug/Kg
86-74-8	Carbazole	99.3	U	99.3	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	54.7	U	54.7	360	ug/Kg
129-00-0	Pyrene	67.3	U	67.3	360	ug/Kg
85-68-7	Butylbenzylphthalate	70.5	U	70.5	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	41.6	U	41.6	360	ug/Kg
218-01-9	Chrysene	47	U	47	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	360	ug/Kg
117-84-0	Di-n-octyl phthalate	78.8	U	78.8	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.8	U	53.8	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.3	U	62.3	360	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	360	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040882.D	1	05/10/19 10:08	05/11/19 20:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	67.5	U	67.5	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.5	U	86.5	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.8		28 - 127	54%	SPK: 150
13127-88-3	Phenol-d6	73.9		34 - 127	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.4		31 - 132	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.2		39 - 123	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		30 - 133	81%	SPK: 150
1718-51-0	Terphenyl-d14	87.2		37 - 115	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	52340	8.14			
1146-65-2	Naphthalene-d8	209710	10.96			
15067-26-2	Acenaphthene-d10	161003	14.76			
1517-22-2	Phenanthrene-d10	436530	17.51			
1719-03-5	Chrysene-d12	451270	21.79			
1520-96-3	Perylene-d12	485738	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	550	J		3.22 R	ug/Kg
	unknown7.65	2300	J		7.65 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	88.8	J N		19.62	ug/Kg
018435-45-5	1-Nonadecene	250	J N		21.38	ug/Kg
1000309-12-3	Sulfurous acid, dodecyl 2-propyl e unknown	81.8	J		23.28	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040882.D	1	05/10/19 10:08	05/11/19 20:29	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	26.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040900.D	1	05/10/19 10:08	05/12/19 09:07	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	450	ug/Kg
108-95-2	Phenol	85.2	U	85.2	450	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	450	ug/Kg
95-57-8	2-Chlorophenol	89.6	U	89.6	450	ug/Kg
95-48-7	2-Methylphenol	95.4	U	95.4	450	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	450	ug/Kg
98-86-2	Acetophenone	130	U	130	450	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	450	ug/Kg
67-72-1	Hexachloroethane	110	U	110	450	ug/Kg
98-95-3	Nitrobenzene	58.9	U	58.9	450	ug/Kg
78-59-1	Isophorone	49.8	U	49.8	450	ug/Kg
88-75-5	2-Nitrophenol	100	U J	100	450	ug/Kg
105-67-9	2,4-Dimethylphenol	75	U	75	450	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	69.9	U	69.9	450	ug/Kg
120-83-2	2,4-Dichlorophenol	69.7	U	69.7	450	ug/Kg
91-20-3	Naphthalene	67.6	U	67.6	450	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	450	ug/Kg
87-68-3	Hexachlorobutadiene	82.6	U	82.6	450	ug/Kg
105-60-2	Caprolactam	150	U	150	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.4	U	80.4	450	ug/Kg
91-57-6	2-Methylnaphthalene	83.6	U	83.6	450	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	300	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.2	U	82.2	450	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.4	U	80.4	450	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	450	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	450	ug/Kg
88-74-4	2-Nitroaniline	94.5	U	94.5	450	ug/Kg
131-11-3	Dimethylphthalate	660		68.7	450	ug/Kg
208-96-8	Acenaphthylene	81.5	U	81.5	450	ug/Kg
606-20-2	2,6-Dinitrotoluene	96	U	96	450	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	26.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040900.D	1	05/10/19 10:08	05/12/19 09:07	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	450	ug/Kg
83-32-9	Acenaphthene	92.2	U	92.2	450	ug/Kg
51-28-5	2,4-Dinitrophenol	120	UJ	120	450	ug/Kg
100-02-7	4-Nitrophenol	87.8	U	87.8	450	ug/Kg
132-64-9	Dibenzofuran	120	U	120	450	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	UJ	110	450	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	450	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	450	ug/Kg
86-73-7	Fluorene	69.2	U	69.2	450	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	450	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.9	UJ	94.9	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	450	ug/Kg
101-55-3	4-Bromophenyl-phenylether	76.7	U	76.7	450	ug/Kg
118-74-1	Hexachlorobenzene	90.4	U	90.4	450	ug/Kg
1912-24-9	Atrazine	110	U	110	450	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	450	ug/Kg
85-01-8	Phenanthrene	77.6	U	77.6	450	ug/Kg
120-12-7	Anthracene	75.8	U	75.8	450	ug/Kg
86-74-8	Carbazole	120	U	120	450	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	450	ug/Kg
206-44-0	Fluoranthene	67.2	U	67.2	450	ug/Kg
129-00-0	Pyrene	82.8	U	82.8	450	ug/Kg
85-68-7	Butylbenzylphthalate	86.7	U	86.7	450	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	450	ug/Kg
56-55-3	Benzo(a)anthracene	51.1	U	51.1	450	ug/Kg
218-01-9	Chrysene	57.8	U	57.8	450	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	450	ug/Kg
117-84-0	Di-n-octyl phthalate	96.9	U	96.9	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	66.1	U	66.1	450	ug/Kg
207-08-9	Benzo(k)fluoranthene	76.6	U	76.6	450	ug/Kg
50-32-8	Benzo(a)pyrene	60.3	U	60.3	450	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.3	U	98.3	450	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	71.1	U	71.1	450	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	26.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040900.D	1	05/10/19 10:08	05/12/19 09:07	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	83	U	83	450	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	450	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	450	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.6	U	56.6	450	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		28 - 127	89%	SPK: 150
13127-88-3	Phenol-d6	137		34 - 127	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.7		31 - 132	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	75		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		30 - 133	96%	SPK: 150
1718-51-0	Terphenyl-d14	73.9		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55444	8.13			
1146-65-2	Naphthalene-d8	229909	10.95			
15067-26-2	Acenaphthene-d10	173325	14.76			
1517-22-2	Phenanthrene-d10	431616	17.51			
1719-03-5	Chrysene-d12	436252	21.79			
1520-96-3	Perylene-d12	470359	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl~~	~~710~~	~~J~~		~~3.22~~ R	ug/Kg
	~~unknown7.66~~	~~5100~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	660	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	280	J N		19.62	ug/Kg
002004-39-9	1-Heptacosanol	200	J N		21.39	ug/Kg
000638-67-5	Tricosane	140	J N		22.56	ug/Kg
	unknown22.62	100	J		22.62	ug/Kg
~~055429-84-0~~	~~Tetracosane, 11-decyl-~~	180	J		23.28	ug/Kg
000111-02-4	Squalene	160	J N		23.48	ug/Kg
007390-81-0	Oxirane, hexadecyl-	270	J		23.65	ug/Kg
000629-97-0	Docosane	340	J N		24.12	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	410	J N		24.2	ug/Kg
000638-66-4	Octadecanal	240	J N		25.65	ug/Kg

6/5/19

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5

C

D

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	26.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040900.D	1	05/10/19 10:08	05/12/19 09:07	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	540	J N		26.27	ug/Kg
014811-95-1	1,19-Eicosadiene	250	J N		28.53	ug/Kg
000629-78-7	Heptadecane	120	J N		29.39	ug/Kg

6/5/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020314.D	1	05/10/19 10:08	05/13/19 13:58	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	76.5	U	76.5	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	80.5	U	80.5	400	ug/Kg
95-48-7	2-Methylphenol	85.7	U	85.7	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.9	U	52.9	400	ug/Kg
78-59-1	Isophorone	44.8	U	44.8	400	ug/Kg
88-75-5	2-Nitrophenol	93.2	U J	93.2	400	ug/Kg
105-67-9	2,4-Dimethylphenol	67.4	U	67.4	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.8	U	62.8	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62.6	U	62.6	400	ug/Kg
91-20-3	Naphthalene	60.8	U	60.8	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	74.2	U	74.2	400	ug/Kg
105-60-2	Caprolactam	140	U J	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72.2	U	72.2	400	ug/Kg
91-57-6	2-Methylnaphthalene	75.1	U	75.1	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.8	U	73.8	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.2	U	72.2	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	92	U	92	400	ug/Kg
88-74-4	2-Nitroaniline	84.9	U	84.9	400	ug/Kg
131-11-3	Dimethylphthalate	490		61.7	400	ug/Kg
208-96-8	Acenaphthylene	73.2	U	73.2	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.3	U	86.3	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020314.D	1	05/10/19 10:08	05/13/19 13:58	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82.8	U	82.8	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.8	U	78.8	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	77.2	U	77.2	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	62.2	U	62.2	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.2	U J	85.2	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.4	U	94.4	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.9	U	68.9	400	ug/Kg
118-74-1	Hexachlorobenzene	81.2	U	81.2	400	ug/Kg
1912-24-9	Atrazine	96.9	U	96.9	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	69.7	U	69.7	400	ug/Kg
120-12-7	Anthracene	68	U	68	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	60.4	U	60.4	400	ug/Kg
129-00-0	Pyrene	74.3	U	74.3	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.9	U J	77.9	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	45.9	U	45.9	400	ug/Kg
218-01-9	Chrysene	51.9	U	51.9	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	87	U J	87	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.4	U	59.4	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	68.8	U	68.8	400	ug/Kg
50-32-8	Benzo(a)pyrene	54.1	U	54.1	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.3	U	88.3	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.9	U	63.9	400	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020314.D	1	05/10/19 10:08	05/13/19 13:58	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	74.6	U	74.6	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.5	U	95.5	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.8	U	50.8	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		28 - 127	82%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.5		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.3		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133	77%	SPK: 150
1718-51-0	Terphenyl-d14	62.1		37 - 115	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47274	7.76			
1146-65-2	Naphthalene-d8	153434	10.55			
15067-26-2	Acenaphthene-d10	96450	14.4			
1517-22-2	Phenanthrene-d10	224514	17.16			
1719-03-5	Chrysene-d12	231056	21.34			
1520-96-3	Perylene-d12	261999	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4100	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		18.04	ug/Kg
000400-57-7	Heptafluorobutyric acid, n-octadec	240	J		21.04	ug/Kg
000112-95-8	Eicosane	100	J		21.92	ug/Kg
000629-92-5	Nonadecane	120	J		22.39	ug/Kg
1000163-04-7	Docosa-2,6,10,14,18-pentaen-22-al,	110	J		22.52	ug/Kg
007390-81-0	Oxirane, hexadecyl-	120	J		22.63	ug/Kg
000638-68-6	Triacontane	220	J		22.9	ug/Kg
077899-03-7	1-Heneicosyl formate	280	J		22.96	ug/Kg
000630-02-4	Octacosane	270	J		24.14	ug/Kg

6/5/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020314.D	1	05/10/19 10:08	05/13/19 13:58	PB119607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2763	**OrderDate:**	5/9/2019 9:51:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2763-01	P021-SS004-1218-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-02	P021-SS004-1824-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-03	P021-SS005-0002-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-04	P021-SS005-0206-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-05	P021-SS005-0612-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-06	P021-SS005-1218-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-07	P021-SS005-1824-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-08	P021-SS006-0002-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-09	P021-SS006-0206-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	

LAB CHRONICLE

K2763-10	P021-SS006-0612-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-11	P021-SS006-1218-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-12	P021-SS006-1824-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2763-13	P021-SS007-0002-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2763-14	P021-SS007-0206-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2763-15	P021-SS007-0612-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2763-16	P021-SS007-1218-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2763-17	P021-SS007-1824-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2763-18	P021-SS008-0002-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2763-19	P021-SS008-0206-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/13/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS004-1218-01	P021-SS004-1824-01	P021-SS005-0002-01	P021-SS005-0206-01	P021-SS005-0612-01
Lab Sample ID	K2763-01	K2763-02	K2763-03	K2763-04	K2763-05
Sample Weight (g)	2.37	2.43	2.34	2.44	2.39
(Hg weight, g)	0.55	0.55	0.56	0.58	0.58
% Solid	86.9	87	77	84	90.4
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**3.8**	**3.52**	**4.34**	**5**	**3.52**
Barium	**91.7**	**94.3**	**147**	**136**	**99.7**
Cadmium	**0.206 J**	**0.331**	0.027 U	**0.16 J**	**0.061 J**
Chromium	**17.1**	**14.5**	**11.3**	**12.2**	**19.4**
Lead	**15.4**	**13.3**	**20**	**18.9**	**11**
Mercury	**0.056**	**0.017**	**0.072**	**0.06**	**0.06**
Selenium	0.308 U	0.3 U	0.352 U	0.31 U	0.294 U
Silver	0.04 U	0.039 U	0.046 U	0.04 U	0.038 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS005-1218-01	P021-SS005-1824-01	P021-SS006-0002-01	P021-SS006-0206-01	P021-SS006-0612-01
Lab Sample ID	K2763-06	K2763-07	K2763-08	K2763-09	K2763-10
Sample Weight (g)	2.36	2.33	2.39	2.45	2.4
(Hg weight, g)	0.56	0.55	0.57	0.54	0.53
% Solid	91.6	94.4	74.4	84.3	93
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**5.37**	**3.32**	**4.3**	**2.98**	**2.48**
Barium	**158**	**84.2**	**207**	**164**	**143**
Cadmium	**0.715**	**0.543**	0.027 U	**0.116 J**	0.022 U
Chromium	**11.5**	**15.2**	**11.1**	**8.32**	**11.1**
Lead	**33.8**	**16.3**	**22.3**	**16.1**	**8.99**
Mercury	**0.079**	**0.064**	**0.069**	**0.052**	**0.043**
Selenium	0.294 U	0.289 U	0.357 U	0.307 U	0.284 U
Silver	0.038 U	0.038 U	0.046 U	0.04 U	0.037 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS006-1218-01	P021-SS006-1824-01	P021-SS007-0002-01	P021-SS007-0206-01	P021-SS007-0612-01
Lab Sample ID	K2763-11	K2763-12	K2763-13	K2763-14	K2763-15
Sample Weight (g)	2.38	2.41	2.39	2.4	2.37
(Hg weight, g)	0.58	0.56	0.58	0.57	0.58
% Solid	91.8	93.2	78.2	76.6	82
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**2.78**	**2.89**	**3.14**	**3.78**	**3.09**
Barium	**145**	**135**	**156**	**166**	**191**
Cadmium	0.022 U	**0.055 J**	0.026 U	0.026 U	**0.027 J**
Chromium	**10.6**	**10.6**	**10.6**	**10.7**	**10.2**
Lead	**9.95**	**9.47**	**20.9**	**18.1**	**17.1**
Mercury	**0.038**	**0.033**	**0.055**	**0.047**	**0.037**
Selenium	0.29 U	0.283 U	0.34 U	0.345 U	0.327 U
Silver	0.038 U	0.037 U	0.044 U	0.045 U	0.042 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS007-1218-01	P021-SS007-1824-01	P021-SS008-0002-01	P021-SS008-0206-01
Lab Sample ID	K2763-16	K2763-17	K2763-18	K2763-19
Sample Weight (g)	2.42	2.39	2.39	2.39
(Hg weight, g)	0.58	0.55	0.56	0.56
% Solid	83.3	90.3	73.3	81.5
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**3.74**	**3.32**	**4.66**	**4.19**
Barium	**148**	**128**	**194**	**153**
Cadmium	**0.155 J**	**0.155 J**	**0.164 J**	**0.118 J**
Chromium	**13**	**17**	**11.3**	**10.8**
Lead	**14.9**	**11.9**	**32.1**	**23.5**
Mercury	**0.05**	**0.043**	**0.08**	**0.071**
Selenium	0.315 U	0.294 U	0.362 U	0.326 U
Silver	0.041 U	0.038 U	0.047 U	0.042 UJ

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2763
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P021-SS008-0206-01MS) analysis met criteria for all samples except for Silver.
The Matrix Spike Duplicate (P021-SS008-0206-01MSD) analysis met criteria for all samples except for Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Calculation:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)
V_f = Final digestion volume (mL)

W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,

C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

F. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 4:37 pm, May 16, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.8		1	0.188	0.971	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010
7440-39-3	Barium	91.7		1	0.405	4.86	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010
7440-43-9	Cadmium	0.206	J	1	0.023	0.291	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010
7440-47-3	Chromium	17.1		1	0.149	0.486	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010
7439-92-1	Lead	15.4		1	0.05	0.583	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010
7439-97-6	Mercury	0.056		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 14:07	SW7471B
7782-49-2	Selenium	0.308	U	1	0.308	0.971	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.486	mg/Kg	05/10/19 14:03	05/11/19 19:56	SW6010

616119

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS004-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.52		1	0.183	0.946	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010
7440-39-3	Barium	94.3		1	0.394	4.73	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010
7440-43-9	Cadmium	0.331		1	0.023	0.284	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010
7440-47-3	Chromium	14.5		1	0.145	0.473	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010
7439-92-1	Lead	13.3		1	0.049	0.568	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010
7439-97-6	Mercury	0.017		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 14:09	SW7471B
7782-49-2	Selenium	0.3	U	1	0.3	0.946	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010
7440-22-4	Silver	0.039	U	1	0.039	0.473	mg/Kg	05/10/19 14:03	05/11/19 20:01	SW6010

616/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	77

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.34		1	0.214	1.11	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010
7440-39-3	Barium	147		1	0.463	5.55	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010
7440-43-9	Cadmium	0.027	U	1	0.027	0.333	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010
7440-47-3	Chromium	11.3		1	0.171	0.555	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010
7439-92-1	Lead	20		1	0.057	0.666	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010
7439-97-6	Mercury	0.072		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 14:11	SW7471B
7782-49-2	Selenium	0.352	U	1	0.352	1.11	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010
7440-22-4	Silver	0.046	U~~N~~	1	0.046	0.555	mg/Kg	05/10/19 14:03	05/11/19 20:05	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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MDL = Method Detection Limit
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5		1	0.189	0.976	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010
7440-39-3	Barium	136		1	0.407	4.88	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010
7440-43-9	Cadmium	0.16	J	1	0.023	0.293	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010
7440-47-3	Chromium	12.2		1	0.15	0.488	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010
7439-92-1	Lead	18.9		1	0.05	0.585	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010
7439-97-6	Mercury	0.06		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 14:14	SW7471B
7782-49-2	Selenium	0.31	U	1	0.31	0.976	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010
7440-22-4	Silver	0.04	U~~N~~	1	0.04	0.488	mg/Kg	05/10/19 14:03	05/11/19 20:10	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.4

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.52		1	0.179	0.926	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010
7440-39-3	Barium	99.7		1	0.386	4.63	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010
7440-43-9	Cadmium	0.061	J	1	0.022	0.278	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010
7440-47-3	Chromium	19.4		1	0.142	0.463	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010
7439-92-1	Lead	11		1	0.048	0.555	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010
7439-97-6	Mercury	0.06		1	0.002	0.013	mg/Kg	05/09/19 17:06	05/10/19 14:16	SW7471B
7782-49-2	Selenium	0.294	U	1	0.294	0.926	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.463	mg/Kg	05/10/19 14:03	05/11/19 20:14	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.6

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.37		1	0.179	0.925	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010
7440-39-3	Barium	158		1	0.386	4.63	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010
7440-43-9	Cadmium	0.715		1	0.022	0.278	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010
7440-47-3	Chromium	11.5		1	0.142	0.463	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010
7439-92-1	Lead	33.8		1	0.048	0.555	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010
7439-97-6	Mercury	0.079		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 14:18	SW7471B
7782-49-2	Selenium	0.294	U	1	0.294	0.925	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010
7440-22-4	Silver	0.038	U	1	0.038	0.463	mg/Kg	05/10/19 14:03	05/11/19 20:19	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS005-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.32		1	0.176	0.909	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010
7440-39-3	Barium	84.2		1	0.379	4.55	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010
7440-43-9	Cadmium	0.543		1	0.022	0.273	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010
7440-47-3	Chromium	15.2		1	0.14	0.455	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010
7439-92-1	Lead	16.3		1	0.047	0.546	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010
7439-97-6	Mercury	0.064		1	0.002	0.013	mg/Kg	05/09/19 17:06	05/10/19 14:21	SW7471B
7782-49-2	Selenium	0.289	U	1	0.289	0.909	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010
7440-22-4	Silver	0.038	U N	1	0.038	0.455	mg/Kg	05/10/19 14:03	05/11/19 20:23	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	74.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.3		1	0.217	1.12	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010
7440-39-3	Barium	207		1	0.469	5.62	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010
7440-43-9	Cadmium	0.027	U	1	0.027	0.337	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010
7440-47-3	Chromium	11.1		1	0.173	0.562	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010
7439-92-1	Lead	22.3		1	0.058	0.675	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010
7439-97-6	Mercury	0.069		1	0.003	0.017	mg/Kg	05/09/19 17:06	05/10/19 14:27	SW7471B
7782-49-2	Selenium	0.357	U	1	0.357	1.12	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010
7440-22-4	Silver	0.046	U	1	0.046	0.562	mg/Kg	05/10/19 14:03	05/11/19 20:37	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.98		1	0.187	0.968	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010
7440-39-3	Barium	164		1	0.404	4.84	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010
7440-43-9	Cadmium	0.116	J	1	0.023	0.291	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010
7440-47-3	Chromium	8.32		1	0.149	0.484	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010
7439-92-1	Lead	16.1		1	0.05	0.581	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010
7439-97-6	Mercury	0.052		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 14:30	SW7471B
7782-49-2	Selenium	0.307	U	1	0.307	0.968	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010
7440-22-4	Silver	0.04	U	1	0.04	0.484	mg/Kg	05/10/19 14:03	05/11/19 20:41	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	93

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.48		1	0.173	0.896	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010
7440-39-3	Barium	143		1	0.374	4.48	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010
7440-43-9	Cadmium	0.022	U	1	0.022	0.269	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010
7440-47-3	Chromium	11.1		1	0.138	0.448	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010
7439-92-1	Lead	8.99		1	0.046	0.538	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010
7439-97-6	Mercury	0.043		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 14:32	SW7471B
7782-49-2	Selenium	0.284	U	1	0.284	0.896	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010
7440-22-4	Silver	0.037	UN	1	0.037	0.448	mg/Kg	05/10/19 14:03	05/11/19 20:46	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.8

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.78		1	0.177	0.915	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010
7440-39-3	Barium	145		1	0.382	4.58	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010
7440-43-9	Cadmium	0.022	U	1	0.022	0.275	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010
7440-47-3	Chromium	10.6		1	0.141	0.458	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010
7439-92-1	Lead	9.95		1	0.047	0.549	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010
7439-97-6	Mercury	0.038		1	0.002	0.013	mg/Kg	05/09/19 17:06	05/10/19 14:34	SW7471B
7782-49-2	Selenium	0.29	U	1	0.29	0.915	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010
7440-22-4	Silver	0.038	U	1	0.038	0.458	mg/Kg	05/10/19 14:03	05/11/19 20:50	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS006-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.89		1	0.172	0.89	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010
7440-39-3	Barium	135		1	0.371	4.45	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010
7440-43-9	Cadmium	0.055	J	1	0.021	0.267	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010
7440-47-3	Chromium	10.6		1	0.137	0.445	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010
7439-92-1	Lead	9.47		1	0.046	0.534	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010
7439-97-6	Mercury	0.033		1	0.002	0.013	mg/Kg	05/09/19 17:06	05/10/19 14:37	SW7471B
7782-49-2	Selenium	0.283	U	1	0.283	0.89	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010
7440-22-4	Silver	0.037	UN	1	0.037	0.445	mg/Kg	05/10/19 14:03	05/11/19 20:55	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.14		1	0.207	1.07	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010
7440-39-3	Barium	156		1	0.446	5.35	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.321	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010
7440-47-3	Chromium	10.6		1	0.164	0.535	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010
7439-92-1	Lead	20.9		1	0.055	0.642	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010
7439-97-6	Mercury	0.055		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 14:39	SW7471B
7782-49-2	Selenium	0.34	U	1	0.34	1.07	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010
7440-22-4	Silver	0.044	U~~N~~	1	0.044	0.535	mg/Kg	05/10/19 14:03	05/11/19 20:59	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.78		1	0.21	1.09	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010
7440-39-3	Barium	166		1	0.454	5.44	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.326	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010
7440-47-3	Chromium	10.7		1	0.167	0.544	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010
7439-92-1	Lead	18.1		1	0.056	0.653	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010
7439-97-6	Mercury	0.047		1	0.003	0.016	mg/Kg	05/09/19 17:06	05/10/19 14:41	SW7471B
7782-49-2	Selenium	0.345	U	1	0.345	1.09	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010
7440-22-4	Silver	0.045	UN	1	0.045	0.544	mg/Kg	05/10/19 14:03	05/11/19 21:04	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-0612-01	SDG No.:	K2763
Lab Sample ID:	K2763-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	82

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.09		1	0.199	1.03	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010
7440-39-3	Barium	191		1	0.429	5.15	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010
7440-43-9	Cadmium	0.027	J	1	0.025	0.309	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010
7440-47-3	Chromium	10.2		1	0.158	0.515	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010
7439-92-1	Lead	17.1		1	0.053	0.617	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010
7439-97-6	Mercury	0.037		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 14:43	SW7471B
7782-49-2	Selenium	0.327	U	1	0.327	1.03	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010
7440-22-4	Silver	0.042	U~~N~~	1	0.042	0.515	mg/Kg	05/10/19 14:03	05/11/19 21:09	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1218-01	SDG No.:	K2763
Lab Sample ID:	K2763-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.3

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.74		1	0.192	0.992	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010
7440-39-3	Barium	148		1	0.414	4.96	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010
7440-43-9	Cadmium	0.155	J	1	0.024	0.298	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010
7440-47-3	Chromium	13		1	0.152	0.496	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010
7439-92-1	Lead	14.9		1	0.051	0.595	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010
7439-97-6	Mercury	0.05		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 14:46	SW7471B
7782-49-2	Selenium	0.315	U	1	0.315	0.992	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.496	mg/Kg	05/10/19 14:03	05/11/19 21:13	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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7

Report of Analysis

A B C D

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS007-1824-01	SDG No.:	K2763
Lab Sample ID:	K2763-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.32		1	0.179	0.927	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010
7440-39-3	Barium	128		1	0.386	4.63	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010
7440-43-9	Cadmium	0.155	J	1	0.022	0.278	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010
7440-47-3	Chromium	17		1	0.142	0.463	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010
7439-92-1	Lead	11.9		1	0.048	0.556	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010
7439-97-6	Mercury	0.043		1	0.003	0.014	mg/Kg	05/09/19 17:06	05/10/19 14:48	SW7471B
7782-49-2	Selenium	0.294	U	1	0.294	0.927	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.463	mg/Kg	05/10/19 14:03	05/11/19 21:18	SW6010

62 6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0002-01	SDG No.:	K2763
Lab Sample ID:	K2763-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.66		1	0.221	1.14	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010
7440-39-3	Barium	194		1	0.476	5.71	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010
7440-43-9	Cadmium	0.164	J	1	0.027	0.342	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010
7440-47-3	Chromium	11.3		1	0.175	0.571	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010
7439-92-1	Lead	32.1		1	0.059	0.685	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010
7439-97-6	Mercury	0.08		1	0.003	0.017	mg/Kg	05/09/19 17:06	05/10/19 14:55	SW7471B
7782-49-2	Selenium	0.362	U	1	0.362	1.14	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010
7440-22-4	Silver	0.047	UN	1	0.047	0.571	mg/Kg	05/10/19 14:03	05/11/19 21:31	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-01	SDG No.:	K2763
Lab Sample ID:	K2763-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.19		1	0.198	1.03	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010
7440-39-3	Barium	153		1	0.428	5.13	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010
7440-43-9	Cadmium	0.118	J	1	0.025	0.308	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010
7440-47-3	Chromium	10.8		1	0.158	0.513	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010
7439-92-1	Lead	23.5		1	0.053	0.616	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010
7439-97-6	Mercury	0.071		1	0.003	0.015	mg/Kg	05/09/19 17:06	05/10/19 14:57	SW7471B
7782-49-2	Selenium	0.326	U	1	0.326	1.03	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010
7440-22-4	Silver	0.042	~~U~~ J	1	0.042	0.513	mg/Kg	05/10/19 14:03	05/11/19 21:36	SW6010

6/6/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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LAB CHRONICLE

OrderID:	K2763	**OrderDate:**	5/9/2019 9:51:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2763-01	**P021-SS004-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-02	**P021-SS004-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-03	**P021-SS005-0002-01**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-04	**P021-SS005-0206-01**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-05	**P021-SS005-0612-01**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-06	**P021-SS005-1218-01**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-07	**P021-SS005-1824-01**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	

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LAB CHRONICLE

K2763-08	**P021-SS006-0002-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-09	**P021-SS006-0206-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-10	**P021-SS006-0612-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-11	**P021-SS006-1218-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-12	**P021-SS006-1824-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-13	**P021-SS007-0002-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-14	**P021-SS007-0206-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-15	**P021-SS007-0612-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-16	**P021-SS007-1218-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

K2763-17	**P021-SS007-1824-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-18	**P021-SS008-0002-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2763-19	**P021-SS008-0206-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/09/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	

SHIPPING DOCUMENTS

K2763

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 87
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS004-1218-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:13	1	8 oz glass	4 C	N
	P021-SS004-1218-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:13	1	8 oz glass	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	RCRA Metals (Solid)	5/7/2019	14:25	1	8 oz glass	4 C	N
	P021-SS004-1824-01	P021-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	14:25	1	8 oz glass	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:45	1	8 oz glass	4 C	N
	P021-SS005-0002-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:45	1	8 oz glass	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:48	1	8 oz glass	4 C	N
	P021-SS005-0206-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:48	1	8 oz glass	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	07:53	1	8 oz glass	4 C	N
	P021-SS005-0612-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	07:53	1	8 oz glass	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	08:00	1	8 oz glass	4 C	N
	P021-SS005-1218-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:00	1	8 oz glass	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	RCRA Metals (Solid)	5/8/2019	08:06	1	8 oz glass	4 C	N
	P021-SS005-1824-01	P021-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:06	1	8 oz glass	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:18	1	8 oz glass	4 C	N
	P021-SS006-0002-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:18	1	8 oz glass	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:23	1	8 oz glass	4 C	N
	P021-SS006-0206-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:23	1	8 oz glass	4 C	N
	P021-SS006-0612-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:27	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Wilson RST	5/9/2019 900		5-9-19 0935	2.3°C

K2763

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS006-0612-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:27	1	8 oz glass	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:34	1	8 oz glass	4 C	N
	P021-SS006-1218-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:34	1	8 oz glass	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	RCRA Metals (Solid)	5/8/2019	08:40	1	8 oz glass	4 C	N
	P021-SS006-1824-01	P021-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:40	1	8 oz glass	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	08:46	1	8 oz glass	4 C	N
	P021-SS007-0002-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:46	1	8 oz glass	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	08:55	1	8 oz glass	4 C	N
	P021-SS007-0206-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	08:55	1	8 oz glass	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:03	1	8 oz glass	4 C	N
	P021-SS007-0612-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:03	1	8 oz glass	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:07	1	8 oz glass	4 C	N
	P021-SS007-1218-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:07	1	8 oz glass	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	RCRA Metals (Solid)	5/8/2019	09:14	1	8 oz glass	4 C	N
	P021-SS007-1824-01	P021-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:14	1	8 oz glass	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:20	1	8 oz glass	4 C	N
	P021-SS008-0002-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:20	1	8 oz glass	4 C	N
	P021-SS008-0206-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:24	2	8 oz glass	4 C	Y
	P021-SS008-0206-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:24	2	8 oz glass	4 C	Y

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[illegible] Wilm RST 3	5/9/2019 900	[illegible]	5-9-19 0935	23°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) GONSE WESNAW		Log-in Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P021-SS004-1218-01	MA No. ~~0100105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.6 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12. Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P021-SS004-1218		K2763-01	Intact
2	P021-SS004-1824		K2763-02	Intact
3	P021-SS005-0002		K2763-03	Intact
4	P021-SS005-0206		K2763-04	Intact
5	P021-SS005-0612		K2763-05	Intact
6	P021-SS005-1218		K2763-06	Intact
7	P021-SS005-1824		K2763-07	Intact
8	P021-SS006-0002		K2763-08	Intact
9	P021-SS006-0206		K2763-09	Intact
10	P021-SS006-0612		K2763-10	Intact
11	P021-SS006-1218		K2763-11	Intact
12	P021-SS006-1824		K2763-12	Intact
13	P021-SS007-0002		K2763-13	Intact
14	P021-SS007-0206		K2763-14	Intact
15	P021-SS007-0612		K2763-15	Intact
16	P021-SS007-1218		K2763-16	Intact
17	P021-SS007-1824		K2763-17	Intact
18	P021-SS008-0002		K2763-18	Intact
19	P021-SS008-0206		K2763-19	Intact
20	K2763-19MS		K2763-20	Intact
21	K2763-19MSD		K2763-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2764

LAB: Chemtech Consulting Group. Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer
Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: **Date:** 06/20/2019

On May 6 and 8, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate, for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2764				
P021-SS008-0206-02[1]	J2764-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/082019
P021-SS008-0612-01	J2764-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS008-1218-01	J2764-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS008-1824-01	J2764-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS009-0002-01	J2764-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS009-0206-01	J2764-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS009-0612-01	J2764-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS010-0002-01	J2764-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS010-0206-01	J2764-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P021-SS010-0612-01	J2764-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/08/2019
P026-SS001-0002-01	J2764-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS001-0206-01	J2764-12	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS001-0612-01	J2764-13	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS001-1218-01	J2764-14	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS001-1824-01	J2764-15	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS002-0002-01	J2764-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS002-0206-01	J2764-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS002-0612-01	J2764-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS002-1218-01[2]	J2764-19	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019

[1] The associated field sample P021-SS008-0206-01 can be found in Chemtech Project # K2763
[2] The associated field duplicate P026-SS002-1218-02 can be found in Chemtech Project # K2765

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10 percent recovery (%R), detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS002-1218-01 was used for MS/MSD analyses. No problems were found for this criterion.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.66 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P021-SS010-0612-01 and P026-SS001-0612-01.

Laboratory artifact eluted around retention time 3.22 minutes was detected in rinsate blank RB-190506 and RB-190508 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for associated samples: P021-SS008-0206-02, P021-SS008-0612-01, P021-SS008-1218-01, P021-SS008-1824-01, P021-SS009-0206-01, P021-SS009-0612-01, P021-SS010-0206-01, P021-SS010-0612-01, P026-SS001-0612-01, P026-SS001-1218-01, P026-SS001-1824-01, and P026-SS002-1218-01.

Laboratory artifact eluted around retention time 7.66 minutes was detected in rinsate blank RB-190506 and RB-190508 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for associated samples: P021-SS008-0206-02, P021-SS008-0612-01, P021-SS008-1218-01, P021-SS008-1824-01, P021-SS009-0206-01, P021-SS009-0612-01, P021-SS010-0206-01, P026-SS001-1218-01, P026-SS001-1824-01, and P026-SS002-1218-01.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

The continuing calibration verification (CCV) on Instrument F did not meet the average RRF acceptance criteria for hexachlorocyclopentadiene. All non-detects for hexachlorocyclopentadiene in associated samples P026-SS002-0002-01DL and P026-SS002-0206-01DL were rejected "R".

The CCV on Instrument F did not meet the average RRF acceptance criteria for hexachlorocyclopentadiene and 2,4-dinitrophenol. All non-detects for hexachlorocyclopentadiene and 2,4-dinitrophenol in associated samples P026-SS001-0002-01DL and P026-SS001-0206-01DL were rejected "R".

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>)20 for 2,4-dinitrophenol, initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde, and initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/13/2019@ 00:20	CCV	Hexachlorocyclopentadiene[1] 2,4-Dinitrophenol, 4-Nitrophenol, and 4,6-Dinitro-2-Methylphenol	P026-SS002-0002-01DL P026-SS002-0206-01DL	J/UJ

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/13/2019@ 23:40	CCV	Hexachlorocyclopentadiene[1] 2,4-Dinitrophenol[1], 4-Nitrophenol, 4,6-Dinitro-2-Methylphenol Pentachlorophenol, and Di-n-butylphthalate	P026-SS001-0002-01DL P026-SS001-0206-01DL	J/UJ
5/09/2019@ 18:31	CCV	2-Nitrophenol, 2,4-Dichlorophenol, Hexachlorobutadiene, 2,4,5-Trichlorophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, Benzo(k)fluoranthene	P021-SS008-0206-01 P021-SS010-0612-01 P026-SS001-0612-01 P026-SS001-1218-01	J/UJ
5/10/2019@ 05:52	CCV	2-Nitrophenol, 2,4-Dichlorophenol, Hexachlorobutadiene, 2,4,5-Trichlorophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-Methylphenol	P021-SS008-0612-01 P021-SS008-1218-01 P021-SS008-1824-01 P021-SS009-0206-01 P021-SS009-0612-01 P021-SS010-0206-01 P026-SS001-1824-01 P026-SS002-1218-01	J/UJ
5/10/2019@ 20:41	CCV	2-Nitrophenol, Caprolactam 2,4-Dinitrophenol, 4,6-Dinitro-2-Methylphenol	P026-SS001-0206-01	J/UJ

[1] Previously qualified due to non-compliant RRF QC criteria.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

All SVOCs results were comparable between sample P021-SS008-0206-01 (reported in SDG 2763) and its field duplicate P021-SS008-0206-02.

For field samples P026-SS002-1218-01 the field duplicate is P026-SS002-1218-02 (associated with SDG#K2765): Dimethylphthalate, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene concentrations were less than or above contract required quantitation limit (CRQL) in sample P026-SS002-1218-01 and in field duplicate P026-SS002-1218-02. Since the relative percent differences (RPDs) are above 50%, based on professional judgment, dimethylphthalate, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene in both samples were estimated.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported non-target SVOCs as TICs and denoted as non-target (NT) on the Form 1s. The non-target SVOCs are not project target analytes but were present in the sample and quantitated using the SVOC calibration standards in the following samples:

P026-SS001-0002-01, P026-SS002-0002-01, and P026-SS002-0206-01: Benzoic Acid

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

Laboratory control sample (LCS) PB119594BS had a %R for 2,4-Dinitrotoluene of 106%R which exceeded the upper laboratory limit of 102%R. 2,4-Dinitrotoluene was not detected in the samples associated with this LCS. No qualifiers were necessary.

As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

The majority of samples in this SDG were analyzed as low-level VOCs or to bring a target analyte into instrument calibration range:

Sample P026-SS001-0002-01 was analyzed once as a low-level VOC and at a 5-fold dilution due to fluoranthene, pyrene, benzo(a)anthracene, chrysene, and benzo(b)fluoranthene, exceeding the calibration range in the low-level analysis. Results for these compounds were reported from the dilution analysis.

Sample P026-SS001-0206-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene exceeding the calibration range in the low-level analysis. Pyrene result was reported from the dilution analysis.

Sample P026-SS002-0002-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene and chrysene, exceeding the calibration range in the low-level analysis. Results for these compounds were reported from the dilution analysis.

Sample P026-SS002-0206-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene exceeding the calibration range in the low-level analysis. Pyrene result was reported from the dilution analysis.

Due to dilution analysis, the laboratory qualified the associated analytes results with D qualifiers on the Form Is. The data reviewer removed the "D" qualifier from the Form Is.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

P026-SS002-0002-01DL
P026-SS002-0206-01DL
P026-SS001-0002-01DL
P026-SS001-0206-01DL

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are

used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Arsenic result in ICB are greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). The associated sample results are greater than CRQL. Therefore, using professional judgment, no qualification was required.

Arsenic and mercury were detected greater than or equal to MDLs but less than or equal to CRQLs in rinsate blank RB-190506. Qualification of the data was not required for arsenic and mercury since the concentrations of these analytes in all soil samples exceeded the CRQLs.

Silver was detected greater than or equal to MDLs but less than or equal to CRQLs in rinsate blank RB-190508. Qualification of the data was not required since the silver was non-detected in associated soil samples.

4. INTERFERENCE CHECK SAMPLE:

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recovery of silver was below the acceptance criteria in the MS/MSD analysis performed on sample P026-SS002-1218-01. The non-detected result for silver was qualified as estimated (UJ). The laboratory qualified all silver results with "N" due to the low recoveries of silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:
The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P021-SS008-0206-01(reported in SDG# K2763) and P021-SS008-0206-02 were analyzed and results were within applicable control limits. No data qualifiers were required.

Soil field duplicate sample pair P026-SS002-1218-01 and P026-SS002-1218-02 (reported in SDG# K2765) were analyzed and results were within applicable control limits. No data qualifiers were required.

8. LABORATORY CONTROL SAMPLE:
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:
The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS:

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS008-0206-02[1]	P021-SS008-0612-01	P021-SS008-1218-01	P021-SS008-1824-01	P021-SS009-0002-01
Lab Sample ID	K2764-01	K2764-02	K2764-03	K2764-04	K2764-05
Sample weight (g)	30.06	30.12	30.01	30.05	30.11
Moisture (%)	14.5	13	12.5	15.1	32.8
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	110 U	110 U	110 U	140 U
Phenol	73.2 U	71.8 U	71.6 U	73.7 U	92.9 U
bis(2-Chloroethyl)ether	120 U	120 U	120 U	120 U	150 U
2-Chlorophenol	76.9 U	75.4 U	75.3 U	77.5 U	97.7 U
2-Methylphenol	82 U	80.4 U	80.2 U	82.6 U	100 U
2,2-oxybis(1-Chloropropane)	100 U	100 U	100 U	100 U	130 U
Acetophenone	110 U	110 U	110 U	110 U	140 U
3+4-Methylphenols	110 U	110 U	110 U	120 U	150 U
n-Nitroso-di-n-propylamine	160 U	160 U	160 U	160 U	200 U
Hexachloroethane	98.3 U	96.5 U	96.3 U	99.1 U	120 U
Nitrobenzene	50.6 U	49.6 U	49.5 U	50.9 U	64.2 U
Isophorone	42.8 U	42 U	41.9 U	43.1 U	54.3 U
2-Nitrophenol	89.1 UJ	87.4 UJ	87.2 UJ	89.7 UJ	110 U
2,4-Dimethylphenol	64.4 U	63.2 U	63.1 U	64.9 U	81.8 U
bis(2-Chloroethoxy)methane	60 U	58.9 U	58.8 U	60.5 U	76.3 U
2,4-Dichlorophenol	59.9 UJ	58.7 UJ	58.6 UJ	60.3 UJ	76 U
Naphthalene	58.1 U	57 U	56.8 U	58.5 U	73.8 U
4-Chloroaniline	160 U	160 U	160 U	160 U	200 U
Hexachlorobutadiene	70.9 UJ	69.5 UJ	69.4 UJ	71.4 UJ	90.1 U
Caprolactam	130 U	130 U	130 U	130 U	170 U
4-Chloro-3-methylphenol	69.1 U	67.7 U	67.6 U	69.6 U	87.7 U
2-Methylnaphthalene	71.8 U	70.4 U	70.3 U	72.3 U	91.2 U
Hexachlorocyclopentadiene	260 U	250 U	250 U	260 U	330 U
2,4,6-Trichlorophenol	70.6 U	69.2 U	69.1 U	71.1 U	89.7 U
2,4,5-Trichlorophenol	69 UJ	67.7 UJ	67.6 UJ	69.5 UJ	87.7 U
1,1-Biphenyl	120 U	120 U	120 U	120 U	150 U
2-Chloronaphthalene	88 U	86.3 U	86.1 U	88.6 U	110 U
2-Nitroaniline	81.2 UJ	79.6 UJ	79.4 UJ	81.8 UJ	100 U
Dimethylphthalate	**560**	**560**	**520**	**480**	**920**
Acenaphthylene	70 U	68.6 U	68.5 U	70.5 U	88.9 U
2,6-Dinitrotoluene	82.5 UJ	80.9 UJ	80.7 UJ	83.1 UJ	100 U
3-Nitroaniline	150 U	150 UJ	150 UJ	150 UJ	190 U
Acenaphthene	79.1 U	77.6 U	77.5 U	79.7 U	100 U
2,4-Dinitrophenol	100 UJ	100 UJ	100 UJ	100 UJ	130 U
4-Nitrophenol	75.4 U	73.9 U	73.8 U	75.9 U	95.7 U
Dibenzofuran	100 U	100 U	100 U	110 U	130 U
2,4-Dinitrotoluene	97.1 U	95.2 UJ	95 UJ	97.8 UJ	120 U
Diethylphthalate	73.8 U	72.4 U	72.2 U	74.3 U	93.7 U
4-Chlorophenyl-phenylether	97.4 U	95.5 U	95.3 U	98.1 U	120 U
Fluorene	59.5 U	58.3 U	58.2 U	59.9 U	75.5 U
4-Nitroaniline	100 U	100 U	100 U	100 U	130 U
4,6-Dinitro-2-methylphenol	81.5 U	79.9 UJ	79.7 UJ	82.1 UJ	100 U
n-Nitrosodiphenylamine	90.3 U	88.5 U	88.4 U	90.9 U	110 U
4-Bromophenyl-phenylether	65.8 U	64.6 U	64.4 U	66.3 U	83.6 U
Hexachlorobenzene	77.6 U	76.1 U	76 U	78.2 U	98.6 U
Atrazine	92.7 U	90.9 U	90.7 U	93.4 U	120 U
Pentachlorophenol	130 U	120 U	120 U	130 U	160 U
Phenanthrene	66.6 U	65.3 U	65.2 U	67.1 U	84.6 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS008-0206-02[1]	P021-SS008-0612-01	P021-SS008-1218-01	P021-SS008-1824-01	P021-SS009-0002-01
Lab Sample ID	K2764-01	K2764-02	K2764-03	K2764-04	K2764-05
Sample weight (g)	30.06	30.12	30.01	30.05	30.11
Moisture (%)	14.5	13	12.5	15.1	32.8
Dilution Factor	1	1	1	1	1
Anthracene	65.1 U	63.8 U	63.7 U	65.5 U	82.6 U
Carbazole	100 U	100 U	100 U	110 U	130 U
Di-n-butylphthalate	120 U	110 U	110 U	120 U	150 U
Fluoranthene	57.7 U	56.6 U	56.5 U	58.2 U	73.3 U
Pyrene	71.1 U	69.7 U	69.6 U	71.6 U	90.3 U
Butylbenzylphthalate	74.5 U	73.1 U	72.9 U	75 U	94.6 U
3,3-Dichlorobenzidine	170 U	170 U	170 U	170 U	220 U
Benzo(a)anthracene	43.9 U	43 U	43 U	44.2 U	55.7 U
Chrysene	49.7 U	48.7 U	48.6 U	50 U	63.1 U
Bis(2-ethylhexyl)phthalate	110 U	110 U	110 U	110 U	140 U
Di-n-octyl phthalate	83.2 U	81.6 U	81.4 U	83.8 U	110 U
Benzo(b)fluoranthene	56.8 U	55.7 U	55.6 U	57.2 U	72.1 U
Benzo(k)fluoranthene	65.7 UJ	64.5 U	64.3 U	66.2 U	83.5 U
Benzo(a)pyrene	51.8 U	50.8 U	50.7 U	52.1 U	65.7 U
Indeno(1,2,3-cd)pyrene	84.4 U	82.8 U	82.6 U	85 U	110 U
Dibenzo(a,h)anthracene	61.1 U	59.9 U	59.8 U	61.5 U	77.6 U
Benzo(g,h,i)perylene	71.3 U	69.9 U	69.8 U	71.8 U	90.6 U
1,2,4,5-Tetrachlorobenzene	91.3 U	89.5 U	89.4 U	92 U	120 U
1,4-Dioxane	140 U	130 U	130 U	140 U	170 U
2,3,4,6-Tetrachlorophenol	48.6 U	47.7 U	47.6 U	48.9 U	61.7 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01
Lab Sample ID	K2764-06	K2764-07	K2764-08	K2764-09	K2764-10
Sample weight (g)	30.16	30.04	30.1	30.15	30.03
Moisture (%)	20.6	20.2	20.6	14.9	11.9
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	120 U	120 U	110 U	110 U
Phenol	78.5 U	78.4 U	78.7 U	73.3 U	71.1 U
bis(2-Chloroethyl)ether	130 U	130 U	130 U	120 U	120 U
2-Chlorophenol	82.6 U	82.5 U	82.7 U	77 U	74.7 U
2-Methylphenol	88 U	87.9 U	88.1 U	82.1 U	79.6 U
2,2-oxybis(1-Chloropropane)	110 U	110 U	110 U	100 U	100 U
Acetophenone	120 U	120 U	120 U	110 U	110 U
3+4-Methylphenols	120 U	120 U	120 U	110 U	110 U
n-Nitroso-di-n-propylamine	170 U	170 U	170 U	160 U	160 U
Hexachloroethane	110 U	110 U	110 U	98.5 U	95.5 U
Nitrobenzene	54.3 U	54.2 U	54.4 U	50.7 U	49.1 U
Isophorone	45.9 U	45.9 U	46 U	42.9 U	41.6 U
2-Nitrophenol	95.6 UJ	95.5 UJ	95.8 U	89.2 UJ	86.5 UJ
2,4-Dimethylphenol	69.1 U	69.1 U	69.3 U	64.5 U	62.6 U
bis(2-Chloroethoxy)methane	64.4 U	64.4 U	64.6 U	60.1 U	58.3 U
2,4-Dichlorophenol	64.2 UJ	64.2 UJ	64.4 U	60 UJ	58.1 UJ
Naphthalene	62.3 U	62.3 U	62.5 U	58.2 U	56.4 U
4-Chloroaniline	170 U	170 U	170 U	160 U	160 U
Hexachlorobutadiene	76.1 UJ	76 UJ	76.3 U	71 UJ	68.9 UJ
Caprolactam	140 U	140 U	140 U	130 U	130 U
4-Chloro-3-methylphenol	74.1 U	74 U	74.3 U	69.2 U	67.1 U
2-Methylnaphthalene	77 U	77 U	77.2 U	71.9 U	69.7 U
Hexachlorocyclopentadiene	280 U	280 U	280 U	260 U	250 U
2,4,6-Trichlorophenol	75.8 U	75.7 U	75.9 U	70.7 U	68.6 U
2,4,5-Trichlorophenol	74.1 UJ	74 UJ	74.2 U	69.1 UJ	67.1 UJ
1,1-Biphenyl	130 U	130 U	130 U	120 U	120 U
2-Chloronaphthalene	94.4 U	94.3 U	94.6 U	88.1 U	85.5 U
2-Nitroaniline	87.1 UJ	87 UJ	87.3 U	81.3 UJ	78.8 UJ
Dimethylphthalate	**490**	**410**	**500**	**310 J**	**410**
Acenaphthylene	75.1 U	75 U	75.3 U	70.1 U	68 U
2,6-Dinitrotoluene	88.5 UJ	88.4 UJ	88.7 U	82.6 UJ	80.1 UJ
3-Nitroaniline	160 UJ	160 UJ	160 U	150 UJ	150 UJ
Acenaphthene	84.9 U	84.9 U	85.1 U	79.3 U	76.9 U
2,4-Dinitrophenol	110 UJ	110 UJ	110 U	100 UJ	99.4 UJ
4-Nitrophenol	80.9 U	80.8 U	81.1 U	75.5 U	73.2 U
Dibenzofuran	110 U	110 U	110 U	110 U	100 U
2,4-Dinitrotoluene	100 UJ	100 UJ	100 U	97.3 UJ	94.3 UJ
Diethylphthalate	79.2 U	79.1 U	79.4 U	73.9 U	71.7 U
4-Chlorophenyl-phenylether	100 U	100 U	100 U	97.5 U	94.6 U
Fluorene	63.8 U	63.7 U	63.9 U	59.6 U	57.8 U
4-Nitroaniline	110 U	110 U	110 U	100 U	99.3 U
4,6-Dinitro-2-methylphenol	87.4 UJ	87.3 UJ	87.6 U	81.6 UJ	79.1 UJ
n-Nitrosodiphenylamine	96.9 U	96.8 U	97.1 U	90.4 U	87.7 U
4-Bromophenyl-phenylether	70.7 U	70.6 U	70.8 U	65.9 U	64 U
Hexachlorobenzene	83.3 U	83.2 U	83.5 U	77.8 U	75.4 U
Atrazine	99.5 U	99.4 U	99.7 U	92.8 U	90 U
Pentachlorophenol	130 U	130 U	130 U	130 U	120 U
Phenanthrene	71.5 U	71.4 U	71.6 U	66.7 U	64.7 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 and 8, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01
Lab Sample ID	K2764-06	K2764-07	K2764-08	K2764-09	K2764-10
Sample weight (g)	30.16	30.04	30.1	30.15	30.03
Moisture (%)	20.6	20.2	20.6	14.9	11.9
Dilution Factor	1	1	1	1	1
Anthracene	69.8 U	69.8 U	70 U	65.2 U	63.2 U
Carbazole	110 U	110 U	110 U	110 U	100 U
Di-n-butylphthalate	120 U	120 U	120 U	120 U	110 U
Fluoranthene	62 U	61.9 U	62.1 U	57.8 U	56.1 U
Pyrene	76.3 U	76.2 U	76.4 U	71.2 U	69 U
Butylbenzylphthalate	79.9 U	79.9 U	80.1 U	74.6 U	72.4 U
3,3-Dichlorobenzidine	190 U	190 U	190 U	170 U	170 U
Benzo(a)anthracene	47.1 U	47.1 U	47.2 U	44 U	42.6 U
Chrysene	53.3 U	53.2 U	53.4 U	49.7 U	48.2 U
Bis(2-ethylhexyl)phthalate	120 U	120 U	120 U	110 U	100 U
Di-n-octyl phthalate	89.3 U	89.2 U	89.5 U	83.4 U	80.8 U
Benzo(b)fluoranthene	60.9 U	60.9 U	61 U	56.9 U	55.1 U
Benzo(k)fluoranthene	70.6 U	70.5 U	70.7 U	65.8 U	63.9 U
Benzo(a)pyrene	55.5 U	55.5 U	55.7 U	51.8 U	50.3 U
Indeno(1,2,3-cd)pyrene	90.6 U	90.5 U	90.8 U	84.5 U	82 U
Dibenzo(a,h)anthracene	65.5 U	65.5 U	65.7 U	61.2 U	59.3 U
Benzo(g,h,i)perylene	76.5 U	76.5 U	76.7 U	71.4 U	69.3 U
1,2,4,5-Tetrachlorobenzene	98 U	97.9 U	98.2 U	91.4 U	88.7 U
1,4-Dioxane	150 U	150 U	150 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	52.1 U	52.1 U	52.2 U	48.7 U	47.2 U

U Not detected at the indicated concentration.

J Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01
Lab Sample ID	K2764-11	K2764-12	K2764-13	K2764-14	K2764-15
Sample weight (g)	30.09	30.14	30.02	30.08	30.13
Moisture (%)	14.9	10.3	7.8	10.6	11.7
Dilution Factor	1, *5	1, *2	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	110 U	110 U	110 U	110 U
Phenol	73.4 U	69.5 U	67.9 U	69.9 U	70.7 U
bis(2-Chloroethyl)ether	120 U	110 U	110 U	120 U	120 U
2-Chlorophenol	77.2 U	73.1 U	71.4 U	73.5 U	74.3 U
2-Methylphenol	82.3 U	77.9 U	76.1 U	78.3 U	79.2 U
2,2-oxybis(1-Chloropropane)	100 U	98.2 U	96 U	98.8 U	99.8 U
Acetophenone	110 U	100 U	100 U	100 U	100 U
3+4-Methylphenols	120 U	110 U	110 U	110 U	110 U
n-Nitroso-di-n-propylamine	160 U	150 U	150 U	150 U	150 U
Hexachloroethane	98.7 U	93.5 U	91.3 U	94 U	95 U
Nitrobenzene	50.8 U	48.1 U	47 U	48.3 U	48.9 U
Isophorone	42.9 U	40.7 U	39.7 U	40.9 U	41.3 U
2-Nitrophenol	89.4 U	84.7 UJ	82.7 UJ	85.1 UJ	86.1 UJ
2,4-Dimethylphenol	64.7 U	61.2 U	59.8 U	61.6 U	62.2 U
bis(2-Chloroethoxy)methane	60.3 U	57.1 U	55.8 U	57.4 U	58 U
2,4-Dichlorophenol	60.1 U	56.9 U	55.6 UJ	57.2 UJ	57.8 UJ
Naphthalene	**580**	**170 J**	53.9 U	55.5 U	56.1 U
4-Chloroaniline	160 U	150 U	150 U	150 U	160 U
Hexachlorobutadiene	71.2 U	67.4 U	65.8 UJ	67.8 UJ	68.5 UJ
Caprolactam	130 U	120 UJ	120 U	130 U	130 U
4-Chloro-3-methylphenol	69.3 U	65.7 U	64.1 U	66 U	66.7 U
2-Methylnaphthalene	**270 J**	**83.3 J**	66.7 U	68.6 U	69.3 U
Hexachlorocyclopentadiene	260 U	250 U	240 U	250 U	250 U
2,4,6-Trichlorophenol	70.8 U	67.1 U	65.5 U	67.5 U	68.2 U
2,4,5-Trichlorophenol	69.3 U	65.6 U	64.1 UJ	66 UJ	66.7 UJ
1,1-Biphenyl	120 U	120 U	110 U	120 U	120 U
2-Chloronaphthalene	88.3 U	83.6 U	81.7 U	84.1 U	85 U
2-Nitroaniline	81.5 U	77.1 U	75.4 UJ	77.6 UJ	78.4 UJ
Dimethylphthalate	**510**	**400**	**220 J**	**230 J**	**240 J**
Acenaphthylene	**1400**	**300 J**	65 U	66.9 U	67.6 U
2,6-Dinitrotoluene	82.8 U	78.4 U	76.6 UJ	78.8 UJ	79.7 UJ
3-Nitroaniline	150 U	140 U	140 U	140 U	150 UJ
Acenaphthene	79.4 U	75.2 U	73.5 U	75.6 U	76.5 U
2,4-Dinitrophenol	100 U	97.2 UJ	95 UJ	97.8 UJ	98.8 UJ
4-Nitrophenol	75.6 U	71.7 U	70 U	72 U	72.8 U
Dibenzofuran	110 U	99.7 U	97.4 U	100 U	100 U
2,4-Dinitrotoluene	97.5 U	92.3 U	90.2 U	92.8 U	93.8 UJ
Diethylphthalate	74.1 U	70.1 U	68.5 U	70.5 U	71.3 U
4-Chlorophenyl-phenylether	97.7 U	92.6 U	90.4 U	93.1 U	94.1 U
Fluorene	**220 J**	56.5 U	55.2 U	56.8 U	57.4 U
4-Nitroaniline	100 U	97.2 U	94.9 U	97.7 U	98.7 U
4,6-Dinitro-2-methylphenol	81.8 U	77.5 UJ	75.7 U	77.9 U	78.7 UJ
n-Nitrosodiphenylamine	90.6 U	85.8 U	83.8 U	86.3 U	87.2 U
4-Bromophenyl-phenylether	66.1 U	62.6 U	61.1 U	62.9 U	63.6 U
Hexachlorobenzene	77.9 U	73.8 U	72.1 U	74.2 U	75 U
Atrazine	93 U	88.1 U	86.1 U	88.6 U	89.5 U
Pentachlorophenol	130 U	120 U	120 U	120 U	120 U
Phenanthrene	**3800**	**930**	61.8 U	**120 J**	**190 J**

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01
Lab Sample ID	K2764-11	K2764-12	K2764-13	K2764-14	K2764-15
Sample weight (g)	30.09	30.14	30.02	30.08	30.13
Moisture (%)	14.9	10.3	7.8	10.6	11.7
Dilution Factor	1, *5	1, *2	1	1	1
Anthracene	**1000**	**200 J**	60.4 U	62.2 U	62.8 U
Carbazole	110 U	99.7 U	97.4 U	100 U	100 U
Di-n-butylphthalate	120 U	110 U	110 U	110 U	110 U
Fluoranthene	***6300**	**1500**	53.6 U	**240 J**	**370**
Pyrene	***10500**	***2600**	**73.8 J**	**510**	**770**
Butylbenzylphthalate	74.8 U	70.8 U	69.2 U	71.2 U	72 U
3,3-Dichlorobenzidine	170 U	160 U	160 U	160 U	170 U
Benzo(a)anthracene	***4600**	**1100**	40.8 U	**170 J**	**260 J**
Chrysene	***5400**	**1200**	46.1 U	**220 J**	**350 J**
Bis(2-ethylhexyl)phthalate	110 U	100 U	99.8 U	100 U	100 U
Di-n-octyl phthalate	83.5 U	79.1 U	77.3 U	79.5 U	80.4 U
Benzo(b)fluoranthene	***4800**	**1300**	52.7 U	**190 J**	**310 J**
Benzo(k)fluoranthene	**1500**	**330 J**	61 UJ	62.8 UJ	**94.6 J**
Benzo(a)pyrene	**3600**	**780**	48.1 U	**120 J**	**200 J**
Indeno(1,2,3-cd)pyrene	**2600**	**460**	78.4 U	80.7 U	**130 J**
Dibenzo(a,h)anthracene	**890**	**160 J**	56.7 U	58.4 U	59 U
Benzo(g,h,i)perylene	**3700**	**770**	66.2 U	**110 J**	**180 J**
1,2,4,5-Tetrachlorobenzene	91.6 U	86.8 U	84.8 U	87.2 U	88.2 U
1,4-Dioxane	140 U	130 U	130 U	130 U	130 U
2,3,4,6-Tetrachlorophenol	48.8 U	46.2 U	45.1 U	46.4 U	46.9 U

U: Not detected at the indicated concentration

J: Estimated result

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01
Lab Sample ID	K2764-16	K2764-17	K2764-18	K2764-19
Sample weight (g)	30.01	30.07	30.12	30.16
Moisture (%)	28.3	22.6	20.1	19.8
Dilution Factor	1, *2	1, *2	1	1
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	140 U	130 U	120 U	120 U
Phenol	87.4 U	**120 J**	78.1 U	77.7 U
bis(2-Chloroethyl)ether	140 U	130 U	130 U	130 U
2-Chlorophenol	91.9 U	84.9 U	82.1 U	81.7 U
2-Methylphenol	97.9 U	90.5 U	87.5 U	87.1 U
2,2-oxybis(1-Chloropropane)	120 U	110 U	110 U	110 U
Acetophenone	130 U	120 U	120 U	120 U
3+4-Methylphenols	140 U	130 U	120 U	120 U
n-Nitroso-di-n-propylamine	190 U	180 U	170 U	170 U
Hexachloroethane	120 U	110 U	110 U	100 U
Nitrobenzene	60.4 U	55.8 U	54 U	53.7 U
Isophorone	51.1 U	47.2 U	45.7 U	45.5 U
2-Nitrophenol	110 U	98.4 U	95.1 U	94.7 UJ
2,4-Dimethylphenol	76.9 U	71.1 U	68.8 U	68.4 U
bis(2-Chloroethoxy)methane	71.7 U	66.3 U	64.1 U	63.8 U
2,4-Dichlorophenol	71.5 U	66.1 U	63.9 U	63.6 UJ
Naphthalene	**580**	**440**	62 U	61.7 U
4-Chloroaniline	190 U	180 U	170 U	170 U
Hexachlorobutadiene	84.7 U	78.3 U	75.7 U	75.3 UJ
Caprolactam	160 U	140 U	140 U	140 U
4-Chloro-3-methylphenol	82.5 U	76.3 U	73.8 U	73.4 U
2-Methylnaphthalene	**350 J**	**260 J**	76.7 U	76.3 U
Hexachlorocyclopentadiene	310 U	290 U	280 U	270 U
2,4,6-Trichlorophenol	84.3 U	77.9 U	75.4 U	75 U
2,4,5-Trichlorophenol	82.4 U	76.2 U	73.7 U	73.3 UJ
1,1-Biphenyl	140 U	130 U	130 U	130 U
2-Chloronaphthalene	110 U	97.1 U	94 U	93.5 U
2-Nitroaniline	96.9 U	89.6 U	86.7 U	86.2 UJ
Dimethylphthalate	**290 J**	**300 J**	**420**	**340 J**
Acenaphthylene	**960**	**820**	**160 J**	74.4 U
2,6-Dinitrotoluene	98.5 U	91.1 U	88.1 U	87.6 UJ
3-Nitroaniline	180 U	170 U	160 U	160 UJ
Acenaphthene	94.5 U	87.4 U	84.5 U	84.1 U
2,4-Dinitrophenol	120 U	110 U	110 U	110 UJ
4-Nitrophenol	90 U	83.2 U	80.5 U	80.1 U
Dibenzofuran	130 U	120 U	110 U	110 U
2,4-Dinitrotoluene	120 U	110 U	100 U	100 UJ
Diethylphthalate	88.1 U	81.5 U	78.8 U	78.4 U
4-Chlorophenyl-phenylether	120 U	110 U	100 U	100 U
Fluorene	**210 J**	**160 J**	63.5 U	63.2 U
4-Nitroaniline	120 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	97.3 U	90 U	87 U	86.6 UJ
n-Nitrosodiphenylamine	110 U	99.7 U	96.4 U	95.9 U
4-Bromophenyl-phenylether	78.6 U	72.7 U	70.3 U	69.9 U
Hexachlorobenzene	92.7 U	85.7 U	82.9 U	82.5 U
Atrazine	110 U	100 U	99 U	98.5 U
Pentachlorophenol	150 U	140 U	130 U	130 U
Phenanthrene	**4000**	**3500**	**570**	**480**

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01
Lab Sample ID	K2764-16	K2764-17	K2764-18	K2764-19
Sample weight (g)	30.01	30.07	30.12	30.16
Moisture (%)	28.3	22.6	20.1	19.8
Dilution Factor	1, *2	1, *2	1	1
Anthracene	**730**	**550**	**100 J**	69.1 U
Carbazole	130 U	120 U	110 U	110 U
Di-n-butylphthalate	140 U	130 U	120 U	120 U
Fluoranthene	**4200**	**3900**	**860**	**640**
Pyrene	***8300**	***7000**	**1300**	**1300**
Butylbenzylphthalate	89 U	82.2 U	79.5 U	79.1 U
3,3-Dichlorobenzidine	210 U	190 U	180 U	180 U
Benzo(a)anthracene	**4300**	**3500**	**520**	**430**
Chrysene	***4900**	**3900**	**630**	**560**
Bis(2-ethylhexyl)phthalate	130 U	120 U	110 U	110 U
Di-n-octyl phthalate	99.4 U	91.9 U	88.9 U	88.4 U
Benzo(b)fluoranthene	**4000**	**3300**	**620**	**460**
Benzo(k)fluoranthene	**1300**	**1200**	**190 J**	**140 J**
Benzo(a)pyrene	**3100**	**2600**	**420**	**330 J**
Indeno(1,2,3-cd)pyrene	**3200**	**2900**	**250 J**	**200 J**
Dibenzo(a,h)anthracene	**780**	**680**	65.2 U	64.9 U
Benzo(g,h,i)perylene	**3000**	**2700**	**390 J**	**270 J**
1,2,4,5-Tetrachlorobenzene	110 U	100 U	97.5 U	97 U
1,4-Dioxane	160 U	150 U	150 U	140 U
2,3,4,6-Tetrachlorophenol	58 U	53.7 U	51.9 U	51.6 U

U: Not detected at the indicated concentration

J: Estimated result

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

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Cover Page

Order ID : K2764

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2764-01	P021-SS008-0206-02
K2764-02	P021-SS008-0612-01
K2764-03	P021-SS008-1218-01
K2764-04	P021-SS008-1824-01
K2764-05	P021-SS009-0002-01
K2764-06	P021-SS009-0206-01
K2764-07	P021-SS009-0612-01
K2764-08	P021-SS010-0002-01
K2764-09	P021-SS010-0206-01
K2764-10	P021-SS010-0612-01
K2764-11	P026-SS001-0002-01
K2764-12	P026-SS001-0206-01
K2764-13	P026-SS001-0612-01
K2764-14	P026-SS001-1218-01
K2764-15	P026-SS001-1824-01
K2764-16	P026-SS002-0002-01
K2764-17	P026-SS002-0206-01
K2764-18	P026-SS002-0612-01
K2764-19	P026-SS002-1218-01
K2764-20	K2764-19MS
K2764-21	K2764-19MSD

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED
Date: 5/16/2019
By Mildred V Reyes, QAQC Supervisor at 4:29 pm, May 16, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2764
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements.
The RPD met requirements.

The Blank Spike for {PB119594BS} with File ID: BG040825.D met requirements for all samples except for 2,4-Dinitrotoluene[106%]. This compound was not present in the samples

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine,2,4-Dinitrophenol these compounds are passing on Linear regression.

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The %RSD is greater than 15% in the Initial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and ,2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol these compound are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compound are passing on Linear regression.

The Continuous Calibration File ID BF114211.D met the requirements except for 2,4-Dinitrophenol,4,6-Dinitro-2-methylphenol,4-Nitrophenol and Hexachlorocyclopentadiene . This continuous calibration is only for dilution samples which compounds meet the requirements.

The Continuous Calibration File ID BF114246.D met the requirements except for 2,4-Dinitrophenol,4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Di-n-butylphthalate, Hexachlorocyclopentadiene and Pentachlorophenol . This continuous calibration is only for dilution samples which compounds meet the requirements.

The Continuous Calibration File ID BG040821.D met the requirements except for 2,4,5-Trichlorophenol,2,4-Dichlorophenol,2,4-Dinitrotoluene,2,6-Dinitrotoluene,2-Nitroaniline, 2-Nitrophenol, Benzo(k)fluoranthene, Hexachlorobutadiene and 2,4,6-Tribromophenol . These compounds are failing high and were not detected in the associated samples.

The Continuous Calibration File ID BG040837.D met the requirements except for 2,4,5-Trichlorophenol,2,4-Dichlorophenol,2,4-Dinitrophenol,2,4-Dinitrotoluene,2,6-Dinitrotoluene,2-Nitroaniline,2-Nitrophenol,3-Nitroaniline,4,6-Dinitro-2-methylphenol,Hexachlorobutadiene and 2,4,6-Tribromophenol . These compounds are failing high and were not detected in the associated samples.

The Continuous Calibration File ID BG040873.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene,2-Nitrophenol and 4,6-Dinitro-2-methylphenol . These compounds are failing high and were not detected in the associated samples

The Continuous Calibration File ID BM020248.D met the requirements except for 2,4-Dinitrophenol,2-Nitrophenol and Caprolactam , & 4,6-Dinitro 2-methylphenol. The Tuning criteria met requirements.

Samples P026-SS001-0002-01, P026-SS001-0206-01, P026-SS002-0002-01 and P026-SS002-0206-01 were diluted due to high concentrations.

E. Additional Comments:

Concentration of SOIL Sample:

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Concentration ug/Kg,
(dry weight basis) = $\frac{(Ax)\ (Is)\ (Vt)\ (DF)\ (GPC)}{(Ais)\ (\overline{RRF})\ (Vi)\ (Wt)\ (D)}$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

D = % dry weight or $\frac{100 - \%Moisture}{100}$

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 4:29 pm, May 16, 2019

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2764
Lab Sample ID:	K2764-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040832.D	1	05/09/19 14:30	05/10/19 01:27	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.2	U	73.2	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	76.9	U	76.9	390	ug/Kg
95-48-7	2-Methylphenol	82	U	82	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.3	U	98.3	390	ug/Kg
98-95-3	Nitrobenzene	50.6	U	50.6	390	ug/Kg
78-59-1	Isophorone	42.8	U	42.8	390	ug/Kg
88-75-5	2-Nitrophenol	89.1	U J	89.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.4	U	64.4	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60	U	60	390	ug/Kg
120-83-2	2,4-Dichlorophenol	59.9	U J	59.9	390	ug/Kg
91-20-3	Naphthalene	58.1	U	58.1	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	70.9	U J	70.9	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.1	U	69.1	390	ug/Kg
91-57-6	2-Methylnaphthalene	71.8	U	71.8	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.6	U	70.6	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69	U J	69	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88	U	88	390	ug/Kg
88-74-4	2-Nitroaniline	81.2	U J	81.2	390	ug/Kg
131-11-3	Dimethylphthalate	560		59	390	ug/Kg
208-96-8	Acenaphthylene	70	U	70	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.5	U J	82.5	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2764
Lab Sample ID:	K2764-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040832.D	1	05/09/19 14:30	05/10/19 01:27	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.1	U	79.1	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U J	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.4	U	75.4	390	ug/Kg
132-64-9	Dibenzofuran	100	U	100	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.1	U Ø	97.1	390	ug/Kg
84-66-2	Diethylphthalate	73.8	U	73.8	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.4	U	97.4	390	ug/Kg
86-73-7	Fluorene	59.5	U	59.5	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.5	U	81.5	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.3	U	90.3	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.8	U	65.8	390	ug/Kg
118-74-1	Hexachlorobenzene	77.6	U	77.6	390	ug/Kg
1912-24-9	Atrazine	92.7	U	92.7	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	66.6	U	66.6	390	ug/Kg
120-12-7	Anthracene	65.1	U	65.1	390	ug/Kg
86-74-8	Carbazole	100	U	100	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	57.7	U	57.7	390	ug/Kg
129-00-0	Pyrene	71.1	U	71.1	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.5	U	74.5	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	43.9	U	43.9	390	ug/Kg
218-01-9	Chrysene	49.7	U	49.7	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.2	U	83.2	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.8	U	56.8	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.7	U J	65.7	390	ug/Kg
50-32-8	Benzo(a)pyrene	51.8	U	51.8	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.4	U	84.4	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.1	U	61.1	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2764
Lab Sample ID:	K2764-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040832.D	1	05/09/19 14:30	05/10/19 01:27	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.3	U	71.3	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.3	U	91.3	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.6	U	48.6	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	153		28 - 127	102%	SPK: 150
13127-88-3	Phenol-d6	152		34 - 127	101%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		31 - 132	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.5		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 - 133	103%	SPK: 150
1718-51-0	Terphenyl-d14	83.7		37 - 115	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47723	8.14			
1146-65-2	Naphthalene-d8	203399	10.96			
15067-26-2	Acenaphthene-d10	157145	14.77			
1517-22-2	Phenanthrene-d10	401676	17.51			
1719-03-5	Chrysene-d12	380329	21.79			
1520-96-3	Perylene-d12	388042	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	880	J		3.23 R	ug/Kg
	unknown7.67	4600	J		7.67 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	580	J		18.37	ug/Kg
000057-11-4	Octadecanoic acid	280	J		19.63	ug/Kg
000295-65-8	Cyclohexadecane	410	J		21.4	ug/Kg
000630-02-4	Octacosane	190	J		22.58	ug/Kg
000629-78-7	Heptadecane	160	J		23.29	ug/Kg
000111-02-4	Squalene	200	J		23.5	ug/Kg
014811-95-1	1,19-Eicosadiene	97.3	J		23.67	ug/Kg
000593-49-7	Heptacosane	250	J		24.13	ug/Kg
038775-38-1	1-Hexadecanesulfonyl chloride	210	J		24.24	ug/Kg
014905-56-7	Tetradecane, 2,6,10-trimethyl-	230	J		26.3	ug/Kg

6/17/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2764
Lab Sample ID:	K2764-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040832.D	1	05/09/19 14:30	05/10/19 01:27	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040838.D	1	05/09/19 14:30	05/10/19 06:30	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	71.8	U	71.8	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.4	U	75.4	380	ug/Kg
95-48-7	2-Methylphenol	80.4	U	80.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.5	U	96.5	380	ug/Kg
98-95-3	Nitrobenzene	49.6	U	49.6	380	ug/Kg
78-59-1	Isophorone	42	U	42	380	ug/Kg
88-75-5	2-Nitrophenol	87.4	U J	87.4	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.2	U	63.2	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.9	U	58.9	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.7	U J	58.7	380	ug/Kg
91-20-3	Naphthalene	57	U	57	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.5	U J	69.5	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.7	U	67.7	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.4	U	70.4	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69.2	U	69.2	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.7	U J	67.7	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	86.3	U	86.3	380	ug/Kg
88-74-4	2-Nitroaniline	79.6	U J	79.6	380	ug/Kg
131-11-3	Dimethylphthalate	560		57.8	380	ug/Kg
208-96-8	Acenaphthylene	68.6	U	68.6	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.9	U J	80.9	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040838.D	1	05/09/19 14:30	05/10/19 06:30	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U J	150	380	ug/Kg
83-32-9	Acenaphthene	77.6	U	77.6	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U J	100	380	ug/Kg
100-02-7	4-Nitrophenol	73.9	U	73.9	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.2	U J	95.2	380	ug/Kg
84-66-2	Diethylphthalate	72.4	U	72.4	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.5	U	95.5	380	ug/Kg
86-73-7	Fluorene	58.3	U	58.3	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.9	U J	79.9	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.5	U	88.5	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.6	U	64.6	380	ug/Kg
118-74-1	Hexachlorobenzene	76.1	U	76.1	380	ug/Kg
1912-24-9	Atrazine	90.9	U	90.9	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.3	U	65.3	380	ug/Kg
120-12-7	Anthracene	63.8	U	63.8	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	380	ug/Kg
129-00-0	Pyrene	69.7	U	69.7	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.1	U	73.1	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43	U	43	380	ug/Kg
218-01-9	Chrysene	48.7	U	48.7	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.6	U	81.6	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.7	U	55.7	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.5	U	64.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.8	U	50.8	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.8	U	82.8	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.9	U	59.9	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040838.D	1	05/09/19 14:30	05/10/19 06:30	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	69.9	U	69.9	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.5	U	89.5	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	47.7	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	141		28 - 127	95%	SPK: 150
13127-88-3	Phenol-d6	141		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.4		31 - 132	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.2		39 - 123	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		30 - 133	99%	SPK: 150
1718-51-0	Terphenyl-d14	83.7		37 - 115	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51539	8.14			
1146-65-2	Naphthalene-d8	221156	10.96			
15067-26-2	Acenaphthene-d10	163512	14.77			
1517-22-2	Phenanthrene-d10	430290	17.51			
1719-03-5	Chrysene-d12	409345	21.8			
1520-96-3	Perylene-d12	416387	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	720	J		3.23 R	ug/Kg
	unknown7.67	4200	J		7.67	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		18.36	ug/Kg
000057-11-4	Octadecanoic acid	110	J		19.63	ug/Kg
074685-30-6	5-Eicosene, (E)-	310	J		21.4	ug/Kg
~~062016-79-9~~	~~Heptacosane, 1-chloro-~~ unknown	110	J		23.29	ug/Kg
000629-94-7	Heneicosane	83.6	J		24.13	ug/Kg
~~000629-99-2~~	Pentacosane unknown	81.3	J		26.3	ug/Kg

6/7/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040838.D	1	05/09/19 14:30	05/10/19 06:30	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040839.D	1	05/09/19 14:30	05/10/19 07:08	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	71.6	U	71.6	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.3	U	75.3	380	ug/Kg
95-48-7	2-Methylphenol	80.2	U	80.2	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.3	U	96.3	380	ug/Kg
98-95-3	Nitrobenzene	49.5	U	49.5	380	ug/Kg
78-59-1	Isophorone	41.9	U	41.9	380	ug/Kg
88-75-5	2-Nitrophenol	87.2	U J	87.2	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.1	U	63.1	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.8	U	58.8	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.6	U J	58.6	380	ug/Kg
91-20-3	Naphthalene	56.8	U	56.8	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.4	U J	69.4	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.6	U	67.6	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.3	U	70.3	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69.1	U	69.1	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.6	U J	67.6	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	86.1	U	86.1	380	ug/Kg
88-74-4	2-Nitroaniline	79.4	U J	79.4	380	ug/Kg
131-11-3	Dimethylphthalate	520		57.7	380	ug/Kg
208-96-8	Acenaphthylene	68.5	U	68.5	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.7	U J	80.7	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040839.D	1	05/09/19 14:30	05/10/19 07:08	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U J	150	380	ug/Kg
83-32-9	Acenaphthene	77.5	U	77.5	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U J	100	380	ug/Kg
100-02-7	4-Nitrophenol	73.8	U	73.8	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95	UQ J	95	380	ug/Kg
84-66-2	Diethylphthalate	72.2	U	72.2	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.3	U	95.3	380	ug/Kg
86-73-7	Fluorene	58.2	U	58.2	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.7	U J	79.7	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.4	U	88.4	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.4	U	64.4	380	ug/Kg
118-74-1	Hexachlorobenzene	76	U	76	380	ug/Kg
1912-24-9	Atrazine	90.7	U	90.7	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.2	U	65.2	380	ug/Kg
120-12-7	Anthracene	63.7	U	63.7	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.5	U	56.5	380	ug/Kg
129-00-0	Pyrene	69.6	U	69.6	380	ug/Kg
85-68-7	Butylbenzylphthalate	72.9	U	72.9	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43	U	43	380	ug/Kg
218-01-9	Chrysene	48.6	U	48.6	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.4	U	81.4	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.6	U	55.6	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.3	U	64.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.7	U	50.7	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.6	U	82.6	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.8	U	59.8	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040839.D	1	05/09/19 14:30	05/10/19 07:08	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	69.8	U	69.8	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.6	U	47.6	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		28 - 127	99%	SPK: 150
13127-88-3	Phenol-d6	148		34 - 127	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		31 - 132	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.8		39 - 123	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 - 133	103%	SPK: 150
1718-51-0	Terphenyl-d14	85.4		37 - 115	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	48257	8.14			
1146-65-2	Naphthalene-d8	202756	10.96			
15067-26-2	Acenaphthene-d10	158155	14.77			
1517-22-2	Phenanthrene-d10	419851	17.51			
1719-03-5	Chrysene-d12	412095	21.8			
1520-96-3	Perylene-d12	404154	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~690~~	~~J~~		~~3.23~~ R	ug/Kg
	~~unknown7.67~~	~~4400~~	~~J~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	110	J N		19.63	ug/Kg
1000351-81-4	Dotriacontyl pentafluoropropionate	150	J N		21.4	ug/Kg
000630-02-4	Octacosane	82.3	J N		23.29	ug/Kg
000112-95-8	Eicosane	89.1	J N		24.13	ug/Kg

617/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040839.D	1	05/09/19 14:30	05/10/19 07:08	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040840.D	1	05/09/19 14:30	05/10/19 07:46	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.7	U	73.7	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.5	U	77.5	390	ug/Kg
95-48-7	2-Methylphenol	82.6	U	82.6	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	99.1	U	99.1	390	ug/Kg
98-95-3	Nitrobenzene	50.9	U	50.9	390	ug/Kg
78-59-1	Isophorone	43.1	U	43.1	390	ug/Kg
88-75-5	2-Nitrophenol	89.7	U J	89.7	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.9	U	64.9	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.5	U	60.5	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.3	U J	60.3	390	ug/Kg
91-20-3	Naphthalene	58.5	U	58.5	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.4	U J	71.4	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.6	U	69.6	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.3	U	72.3	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.1	U	71.1	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.5	U J	69.5	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.6	U	88.6	390	ug/Kg
88-74-4	2-Nitroaniline	81.8	U J	81.8	390	ug/Kg
131-11-3	Dimethylphthalate	480		59.4	390	ug/Kg
208-96-8	Acenaphthylene	70.5	U	70.5	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U J	83.1	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040840.D	1	05/09/19 14:30	05/10/19 07:46	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U J	150	390	ug/Kg
83-32-9	Acenaphthene	79.7	U	79.7	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U J	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.9	U	75.9	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.8	UØ J	97.8	390	ug/Kg
84-66-2	Diethylphthalate	74.3	U	74.3	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.1	U	98.1	390	ug/Kg
86-73-7	Fluorene	59.9	U	59.9	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.1	U J	82.1	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.9	U	90.9	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.3	U	66.3	390	ug/Kg
118-74-1	Hexachlorobenzene	78.2	U	78.2	390	ug/Kg
1912-24-9	Atrazine	93.4	U	93.4	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	67.1	U	67.1	390	ug/Kg
120-12-7	Anthracene	65.5	U	65.5	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	58.2	U	58.2	390	ug/Kg
129-00-0	Pyrene	71.6	U	71.6	390	ug/Kg
85-68-7	Butylbenzylphthalate	75	U	75	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	44.2	U	44.2	390	ug/Kg
218-01-9	Chrysene	50	U	50	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.8	U	83.8	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.2	U	57.2	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	66.2	U	66.2	390	ug/Kg
50-32-8	Benzo(a)pyrene	52.1	U	52.1	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85	U	85	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.5	U	61.5	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040840.D	1	05/09/19 14:30	05/10/19 07:46	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.8	U	71.8	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92	U	92	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.9	U	48.9	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	144		28 - 127	96%	SPK: 150
13127-88-3	Phenol-d6	141		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.5		31 - 132	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.7		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		30 - 133	100%	SPK: 150
1718-51-0	Terphenyl-d14	83.2		37 - 115	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50704	8.14			
1146-65-2	Naphthalene-d8	209188	10.97			
15067-26-2	Acenaphthene-d10	161171	14.77			
1517-22-2	Phenanthrene-d10	424683	17.51			
1719-03-5	Chrysene-d12	408722	21.8			
1520-96-3	Perylene-d12	391409	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~740~~	~~J~~		~~3.23~~ R	ug/Kg
	~~unknown7.67~~	~~4400~~	~~J~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J N		18.37	ug/Kg
000296-56-0	Cycloeicosane	130	J N		21.4	ug/Kg
000629-78-7	Heptadecane	93.7	J N		23.29	ug/Kg
000106-28-5	trans-Farnesol	81.1	J N		23.49	ug/Kg
007098-22-8	Tetratetracontane	96.4	J N		24.13	ug/Kg

6/7/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040840.D	1	05/09/19 14:30	05/10/19 07:46	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	32.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114136.D	1	05/09/19 14:30	05/10/19 22:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	490	ug/Kg
108-95-2	Phenol	92.9	U	92.9	490	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	490	ug/Kg
95-57-8	2-Chlorophenol	97.7	U	97.7	490	ug/Kg
95-48-7	2-Methylphenol	100	U	100	490	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	490	ug/Kg
98-86-2	Acetophenone	140	U	140	490	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	490	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	200	490	ug/Kg
67-72-1	Hexachloroethane	120	U	120	490	ug/Kg
98-95-3	Nitrobenzene	64.2	U	64.2	490	ug/Kg
78-59-1	Isophorone	54.3	U	54.3	490	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	490	ug/Kg
105-67-9	2,4-Dimethylphenol	81.8	U	81.8	490	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.3	U	76.3	490	ug/Kg
120-83-2	2,4-Dichlorophenol	76	U	76	490	ug/Kg
91-20-3	Naphthalene	73.8	U	73.8	490	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	490	ug/Kg
87-68-3	Hexachlorobutadiene	90.1	U	90.1	490	ug/Kg
105-60-2	Caprolactam	170	U	170	490	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.7	U	87.7	490	ug/Kg
91-57-6	2-Methylnaphthalene	91.2	U	91.2	490	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	330	490	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.7	U	89.7	490	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.7	U	87.7	490	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	490	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	490	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	490	ug/Kg
131-11-3	Dimethylphthalate	920		74.9	490	ug/Kg
208-96-8	Acenaphthylene	88.9	U	88.9	490	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	490	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	32.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114136.D	1	05/09/19 14:30	05/10/19 22:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	190	U	190	490	ug/Kg
83-32-9	Acenaphthene	100	U	100	490	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	490	ug/Kg
100-02-7	4-Nitrophenol	95.7	U	95.7	490	ug/Kg
132-64-9	Dibenzofuran	130	U	130	490	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	490	ug/Kg
84-66-2	Diethylphthalate	93.7	U	93.7	490	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	490	ug/Kg
86-73-7	Fluorene	75.5	U	75.5	490	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	490	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	490	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	490	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	490	ug/Kg
118-74-1	Hexachlorobenzene	98.6	U	98.6	490	ug/Kg
1912-24-9	Atrazine	120	U	120	490	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	490	ug/Kg
85-01-8	Phenanthrene	84.6	U	84.6	490	ug/Kg
120-12-7	Anthracene	82.6	U	82.6	490	ug/Kg
86-74-8	Carbazole	130	U	130	490	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	490	ug/Kg
206-44-0	Fluoranthene	73.3	U	73.3	490	ug/Kg
129-00-0	Pyrene	90.3	U	90.3	490	ug/Kg
85-68-7	Butylbenzylphthalate	94.6	U	94.6	490	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	490	ug/Kg
56-55-3	Benzo(a)anthracene	55.7	U	55.7	490	ug/Kg
218-01-9	Chrysene	63.1	U	63.1	490	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	490	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	490	ug/Kg
205-99-2	Benzo(b)fluoranthene	72.1	U	72.1	490	ug/Kg
207-08-9	Benzo(k)fluoranthene	83.5	U	83.5	490	ug/Kg
50-32-8	Benzo(a)pyrene	65.7	U	65.7	490	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	490	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	77.6	U	77.6	490	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	32.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114136.D	1	05/09/19 14:30	05/10/19 22:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	90.6	U	90.6	490	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	490	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	490	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61.7	U	61.7	490	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.4		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.5		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		30 - 133	84%	SPK: 150
1718-51-0	Terphenyl-d14	66.2		37 - 115	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	340403	6.86			
1146-65-2	Naphthalene-d8	1174150	8.13			
15067-26-2	Acenaphthene-d10	476916	9.89			
1517-22-2	Phenanthrene-d10	950195	11.37			
1719-03-5	Chrysene-d12	731335	14.01			
1520-96-3	Perylene-d12	625258	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	1300	J		2.14	ug/Kg
	unknown6.63	4400	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	700	J N		11.9	ug/Kg
000057-11-4	Octadecanoic acid	180	J N		12.68	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	830	J N		13.84	ug/Kg
000646-31-1	Tetracosane	120	J N		14.17	ug/Kg
000593-45-3	Octadecane	530	J N		14.49	ug/Kg
000629-99-2	Pentacosane	280	J N		14.79	ug/Kg
~~007683-64-9~~	~~Supraene~~ unknown	280	J		14.86	ug/Kg
000638-66-4	Octadecanal	440	J N		14.93	ug/Kg
000638-68-6	Triacontane	1200	J N		15.13	ug/Kg
1000130-92-0	E-7-Octadecene	570	J N		15.15	ug/Kg
014811-95-1	1,19-Eicosadiene	600	J N		15.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	32.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114136.D	1	05/09/19 14:30	05/10/19 22:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-94-7	Heneicosane	890	J N		15.94	ug/Kg
000297-24-5	Cyclooctacosane	630	J N		15.99	ug/Kg
000124-25-4	Tetradecanal	350	J N		16.73	ug/Kg
000630-03-5	Nonacosane	280	J N		17.03	ug/Kg

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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040850.D	1	05/09/19 14:30	05/10/19 14:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.5	U	78.5	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.6	U	82.6	410	ug/Kg
95-48-7	2-Methylphenol	88	U	88	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.3	U	54.3	410	ug/Kg
78-59-1	Isophorone	45.9	U	45.9	410	ug/Kg
88-75-5	2-Nitrophenol	95.6	U J	95.6	410	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.4	U	64.4	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64.2	U J	64.2	410	ug/Kg
91-20-3	Naphthalene	62.3	U	62.3	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	76.1	U J	76.1	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.1	U	74.1	410	ug/Kg
91-57-6	2-Methylnaphthalene	77	U	77	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.8	U	75.8	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.1	U J	74.1	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.4	U	94.4	410	ug/Kg
88-74-4	2-Nitroaniline	87.1	U J	87.1	410	ug/Kg
131-11-3	Dimethylphthalate	490		63.3	410	ug/Kg
208-96-8	Acenaphthylene	75.1	U	75.1	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.5	U J	88.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040850.D	1	05/09/19 14:30	05/10/19 14:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U J	160	410	ug/Kg
83-32-9	Acenaphthene	84.9	U	84.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.9	U	80.9	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U~~Ø~~ J	100	410	ug/Kg
84-66-2	Diethylphthalate	79.2	U	79.2	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.8	U	63.8	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.4	U J	87.4	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.9	U	96.9	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.7	U	70.7	410	ug/Kg
118-74-1	Hexachlorobenzene	83.3	U	83.3	410	ug/Kg
1912-24-9	Atrazine	99.5	U	99.5	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	71.5	U	71.5	410	ug/Kg
120-12-7	Anthracene	69.8	U	69.8	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	62	U	62	410	ug/Kg
129-00-0	Pyrene	76.3	U	76.3	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.9	U	79.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	410	ug/Kg
56-55-3	Benzo(a)anthracene	47.1	U	47.1	410	ug/Kg
218-01-9	Chrysene	53.3	U	53.3	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89.3	U	89.3	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.9	U	60.9	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	70.6	U	70.6	410	ug/Kg
50-32-8	Benzo(a)pyrene	55.5	U	55.5	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.6	U	90.6	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.5	U	65.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040850.D	1	05/09/19 14:30	05/10/19 14:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	76.5	U	76.5	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98	U	98	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.1	U	52.1	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	107		28 - 127	72%	SPK: 150
13127-88-3	Phenol-d6	107		34 - 127	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.4		31 - 132	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.2		39 - 123	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.9		30 - 133	65%	SPK: 150
1718-51-0	Terphenyl-d14	61.8		37 - 115	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64985	8.14			
1146-65-2	Naphthalene-d8	273712	10.97			
15067-26-2	Acenaphthene-d10	201850	14.77			
1517-22-2	Phenanthrene-d10	490234	17.51			
1719-03-5	Chrysene-d12	465936	21.8			
1520-96-3	Perylene-d12	499944	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	~~1100~~	~~J~~		~~3.23~~ R	ug/Kg
	~~unknown7.67~~	~~3600~~	~~J~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J N		18.37	ug/Kg
000057-11-4	Octadecanoic acid	130	J N		19.63	ug/Kg
1000351-83-9	Nonadecyl heptafluorobutyrate	310	J N		21.4	ug/Kg
~~104255-84-7~~	~~Docosanoic acid, tert-butyldimethy~~ unknown	87.3	J		22.64	ug/Kg
000629-78-7	Heptadecane	130	J N		23.29	ug/Kg
~~000111-02-4~~	~~Squalene~~ unknown	93.1	J		23.5	ug/Kg
000630-02-4	Octacosane	150	J N		24.13	ug/Kg
~~000630-04-6~~	~~Hentriacontane~~ unknown	110	J		26.3	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040850.D	1	05/09/19 14:30	05/10/19 14:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory Inf louse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040851.D	1	05/09/19 14:30	05/10/19 14:42	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.4	U	78.4	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.5	U	82.5	410	ug/Kg
95-48-7	2-Methylphenol	87.9	U	87.9	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.2	U	54.2	410	ug/Kg
78-59-1	Isophorone	45.9	U	45.9	410	ug/Kg
88-75-5	2-Nitrophenol	95.5	U J	95.5	410	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.4	U	64.4	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64.2	U J	64.2	410	ug/Kg
91-20-3	Naphthalene	62.3	U	62.3	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	76	U J	76	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74	U	74	410	ug/Kg
91-57-6	2-Methylnaphthalene	77	U	77	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.7	U	75.7	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U J	74	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.3	U	94.3	410	ug/Kg
88-74-4	2-Nitroaniline	87	U J	87	410	ug/Kg
131-11-3	Dimethylphthalate	410		63.2	410	ug/Kg
208-96-8	Acenaphthylene	75	U	75	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.4	U J	88.4	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040851.D	1	05/09/19 14:30	05/10/19 14:42	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U J	160	410	ug/Kg
83-32-9	Acenaphthene	84.9	U	84.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.8	U	80.8	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	UQ J	100	410	ug/Kg
84-66-2	Diethylphthalate	79.1	U	79.1	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.7	U	63.7	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.3	U J	87.3	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.8	U	96.8	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.6	U	70.6	410	ug/Kg
118-74-1	Hexachlorobenzene	83.2	U	83.2	410	ug/Kg
1912-24-9	Atrazine	99.4	U	99.4	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	71.4	U	71.4	410	ug/Kg
120-12-7	Anthracene	69.8	U	69.8	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	61.9	U	61.9	410	ug/Kg
129-00-0	Pyrene	76.2	U	76.2	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.9	U	79.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	410	ug/Kg
56-55-3	Benzo(a)anthracene	47.1	U	47.1	410	ug/Kg
218-01-9	Chrysene	53.2	U	53.2	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89.2	U	89.2	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.9	U	60.9	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	70.5	U	70.5	410	ug/Kg
50-32-8	Benzo(a)pyrene	55.5	U	55.5	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.5	U	90.5	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.5	U	65.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040851.D	1	05/09/19 14:30	05/10/19 14:42	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	76.5	U	76.5	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.9	U	97.9	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.1	U	52.1	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	129		28 - 127	86%	SPK: 150
13127-88-3	Phenol-d6	129		34 - 127	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.9		39 - 123	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		30 - 133	88%	SPK: 150
1718-51-0	Terphenyl-d14	78.3		37 - 115	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64917	8.14			
1146-65-2	Naphthalene-d8	285208	10.97			
15067-26-2	Acenaphthene-d10	207420	14.77			
1517-22-2	Phenanthrene-d10	498936	17.51			
1719-03-5	Chrysene-d12	488285	21.8			
1520-96-3	Perylene-d12	499204	25.16			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane,-2-methoxy-2-methyl-	620	J		3.23 R	ug/Kg
	unknown7.67	4300	J		7.67 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	200	J N		19.63	ug/Kg
000295-48-7	Cyclopentadecane	100	J N		21.4	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	120	J N		23.29	ug/Kg
000638-67-5	Tricosane	120	J N		24.13	ug/Kg
055320-06-4	Heneicosane, 11-decyl-	120	J N		26.3	ug/Kg

6/7/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040851.D	1	05/09/19 14:30	05/10/19 14:42	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114126.D	1	05/09/19 14:30	05/10/19 17:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.7	U	78.7	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.7	U	82.7	410	ug/Kg
95-48-7	2-Methylphenol	88.1	U	88.1	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	410	ug/Kg
78-59-1	Isophorone	46	U	46	410	ug/Kg
88-75-5	2-Nitrophenol	95.8	U	95.8	410	ug/Kg
105-67-9	2,4-Dimethylphenol	69.3	U	69.3	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.6	U	64.6	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64.4	U	64.4	410	ug/Kg
91-20-3	Naphthalene	62.5	U	62.5	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	76.3	U	76.3	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.3	U	74.3	410	ug/Kg
91-57-6	2-Methylnaphthalene	77.2	U	77.2	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.9	U	75.9	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.2	U	74.2	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.6	U	94.6	410	ug/Kg
88-74-4	2-Nitroaniline	87.3	U	87.3	410	ug/Kg
131-11-3	Dimethylphthalate	500		63.4	410	ug/Kg
208-96-8	Acenaphthylene	75.3	U	75.3	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.7	U	88.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114126.D	1	05/09/19 14:30	05/10/19 17:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	81.1	U	81.1	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	79.4	U	79.4	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.9	U	63.9	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.6	U	87.6	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	97.1	U	97.1	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.8	U	70.8	410	ug/Kg
118-74-1	Hexachlorobenzene	83.5	U	83.5	410	ug/Kg
1912-24-9	Atrazine	99.7	U	99.7	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	71.6	U	71.6	410	ug/Kg
120-12-7	Anthracene	70	U	70	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	62.1	U	62.1	410	ug/Kg
129-00-0	Pyrene	76.4	U	76.4	410	ug/Kg
85-68-7	Butylbenzylphthalate	80.1	U	80.1	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	410	ug/Kg
56-55-3	Benzo(a)anthracene	47.2	U	47.2	410	ug/Kg
218-01-9	Chrysene	53.4	U	53.4	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89.5	U	89.5	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	61	U	61	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	70.7	U	70.7	410	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.8	U	90.8	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.7	U	65.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114126.D	1	05/09/19 14:30	05/10/19 17:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	76.7	U	76.7	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.2	U	98.2	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.2	U	52.2	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	164		28 - 127	110%	SPK: 150
13127-88-3	Phenol-d6	181		34 - 127	121%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.4		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		30 - 133	83%	SPK: 150
1718-51-0	Terphenyl-d14	64.8		37 - 115	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	232257	6.85			
1146-65-2	Naphthalene-d8	859774	8.13			
15067-26-2	Acenaphthene-d10	398991	9.89			
1517-22-2	Phenanthrene-d10	761682	11.37			
1719-03-5	Chrysene-d12	710115	14.02			
1520-96-3	Perylene-d12	772637	15.5			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	1200	J		2.15	ug/Kg
	unknown6.63	5100	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	560	J N		11.9	ug/Kg
000057-11-4	Octadecanoic acid	160	J N		12.68	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	540	J N		13.85	ug/Kg
000593-45-3	Octadecane	170	J N		14.5	ug/Kg
000646-31-1	Tetracosane	220	J N		14.82	ug/Kg
055124-79-3	Heptadecane, 9-hexyl-	620	J N		15.16	ug/Kg
1000376-72-8	2-methyloctacosane	720	J N		15.97	ug/Kg
000629-92-5	Nonadecane	140	J N		17.07	ug/Kg
~~1000374-18-5~~	~~gama-eudesmol~~ unknown	120	J		17.32	ug/Kg

617119

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114126.D	1	05/09/19 14:30	05/10/19 17:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040844.D	1	05/09/19 14:30	05/10/19 10:17	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.3	U	73.3	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77	U	77	390	ug/Kg
95-48-7	2-Methylphenol	82.1	U	82.1	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.5	U	98.5	390	ug/Kg
98-95-3	Nitrobenzene	50.7	U	50.7	390	ug/Kg
78-59-1	Isophorone	42.9	U	42.9	390	ug/Kg
88-75-5	2-Nitrophenol	89.2	U J	89.2	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.5	U	64.5	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.1	U	60.1	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60	U J	60	390	ug/Kg
91-20-3	Naphthalene	58.2	U	58.2	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71	U J	71	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.2	U	69.2	390	ug/Kg
91-57-6	2-Methylnaphthalene	71.9	U	71.9	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.7	U	70.7	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.1	U J	69.1	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.1	U	88.1	390	ug/Kg
88-74-4	2-Nitroaniline	81.3	U J	81.3	390	ug/Kg
131-11-3	Dimethylphthalate	310	J	59.1	390	ug/Kg
208-96-8	Acenaphthylene	70.1	U	70.1	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.6	U J	82.6	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040844.D	1	05/09/19 14:30	05/10/19 10:17	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U J	150	390	ug/Kg
83-32-9	Acenaphthene	79.3	U	79.3	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UJ	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.5	U	75.5	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.3	UØ J	97.3	390	ug/Kg
84-66-2	Diethylphthalate	73.9	U	73.9	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.5	U	97.5	390	ug/Kg
86-73-7	Fluorene	59.6	U	59.6	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.6	U J	81.6	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.9	U	65.9	390	ug/Kg
118-74-1	Hexachlorobenzene	77.8	U	77.8	390	ug/Kg
1912-24-9	Atrazine	92.8	U	92.8	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	66.7	U	66.7	390	ug/Kg
120-12-7	Anthracene	65.2	U	65.2	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	57.8	U	57.8	390	ug/Kg
129-00-0	Pyrene	71.2	U	71.2	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.6	U	74.6	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	44	U	44	390	ug/Kg
218-01-9	Chrysene	49.7	U	49.7	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.4	U	83.4	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.9	U	56.9	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.8	U	65.8	390	ug/Kg
50-32-8	Benzo(a)pyrene	51.8	U	51.8	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.5	U	84.5	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.2	U	61.2	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040844.D	1	05/09/19 14:30	05/10/19 10:17	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.4	U	71.4	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.4	U	91.4	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.7	U	48.7	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.9		28 - 127	67%	SPK: 150
13127-88-3	Phenol-d6	99.8		34 - 127	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.6		31 - 132	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		39 - 123	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.3		30 - 133	65%	SPK: 150
1718-51-0	Terphenyl-d14	63.9		37 - 115	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58996	8.14			
1146-65-2	Naphthalene-d8	242326	10.97			
15067-26-2	Acenaphthene-d10	181582	14.77			
1517-22-2	Phenanthrene-d10	420041	17.51			
1719-03-5	Chrysene-d12	407003	21.8			
1520-96-3	Perylene-d12	418442	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~590~~	~~J~~		~~3.23~~ R	ug/Kg
	~~unknown7.67~~	~~3300~~	~~J~~		~~7.67~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	110	J N		19.63	ug/Kg
077899-03-7	1-Heneicosyl formate unknown	310	J N		21.4	ug/Kg
~~104255-84-7~~	~~Docosanoic acid, tert-butyldimethy~~	83.8	J		22.64	ug/Kg
~~000106-28-5~~	~~trans-Farnesol~~ unknown	88.5	J		23.49	ug/Kg
000593-45-3	Octadecane	100	J N		24.13	ug/Kg

617119

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040844.D	1	05/09/19 14:30	05/10/19 10:17	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040834.D	1	05/09/19 14:30	05/10/19 02:43	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	71.1	U	71.1	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.7	U	74.7	370	ug/Kg
95-48-7	2-Methylphenol	79.6	U	79.6	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	370	ug/Kg
98-86-2	Acetophenone	110	U	110	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	370	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	370	ug/Kg
98-95-3	Nitrobenzene	49.1	U	49.1	370	ug/Kg
78-59-1	Isophorone	41.6	U	41.6	370	ug/Kg
88-75-5	2-Nitrophenol	86.5	U J	86.5	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.6	U	62.6	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.3	U	58.3	370	ug/Kg
120-83-2	2,4-Dichlorophenol	58.1	U J	58.1	370	ug/Kg
91-20-3	Naphthalene	56.4	U	56.4	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	68.9	U J	68.9	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.1	U	67.1	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.7	U	69.7	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.6	U	68.6	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.1	U J	67.1	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85.5	U	85.5	370	ug/Kg
88-74-4	2-Nitroaniline	78.8	U J	78.8	370	ug/Kg
131-11-3	Dimethylphthalate	410		57.3	370	ug/Kg
208-96-8	Acenaphthylene	68	U	68	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.1	U J	80.1	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040834.D	1	05/09/19 14:30	05/10/19 02:43	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	370	ug/Kg
83-32-9	Acenaphthene	76.9	U	76.9	370	ug/Kg
51-28-5	2,4-Dinitrophenol	99.4	U J	99.4	370	ug/Kg
100-02-7	4-Nitrophenol	73.2	U	73.2	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.3	U Ø	94.3	370	ug/Kg
84-66-2	Diethylphthalate	71.7	U	71.7	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.6	U	94.6	370	ug/Kg
86-73-7	Fluorene	57.8	U	57.8	370	ug/Kg
100-01-6	4-Nitroaniline	99.3	U	99.3	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.1	U	79.1	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.7	U	87.7	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64	U	64	370	ug/Kg
118-74-1	Hexachlorobenzene	75.4	U	75.4	370	ug/Kg
1912-24-9	Atrazine	90	U	90	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	64.7	U	64.7	370	ug/Kg
120-12-7	Anthracene	63.2	U	63.2	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	56.1	U	56.1	370	ug/Kg
129-00-0	Pyrene	69	U	69	370	ug/Kg
85-68-7	Butylbenzylphthalate	72.4	U	72.4	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	42.6	U	42.6	370	ug/Kg
218-01-9	Chrysene	48.2	U	48.2	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	80.8	U	80.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.1	U	55.1	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.9	U J	63.9	370	ug/Kg
50-32-8	Benzo(a)pyrene	50.3	U	50.3	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82	U	82	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.3	U	59.3	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040834.D	1	05/09/19 14:30	05/10/19 02:43	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	69.3	U	69.3	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.7	U	88.7	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.2	U	47.2	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		28 - 127	84%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.1		31 - 132	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.2		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	87%	SPK: 150
1718-51-0	Terphenyl-d14	82.1		37 - 115	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55291	8.14			
1146-65-2	Naphthalene-d8	224060	10.97			
15067-26-2	Acenaphthene-d10	173014	14.77			
1517-22-2	Phenanthrene-d10	454185	17.51			
1719-03-5	Chrysene-d12	432730	21.79			
1520-96-3	Perylene-d12	438619	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~720~~	~~J~~		~~3.23~~ R	ug/Kg
	~~unknown7.66~~	~~4000~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	92.2	J N		19.63	ug/Kg
000295-48-7	Cyclopentadecane	350	J N		21.39	ug/Kg
~~001560-86-7~~	~~Nonadecane, 2-methyl-~~ unknown	~~86.2~~	~~J~~		23.29	ug/Kg

6/7/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040834.D	1	05/09/19 14:30	05/10/19 02:43	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114139.D	1	05/09/19 14:30	05/10/19 23:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.4	U	73.4	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.2	U	77.2	390	ug/Kg
95-48-7	2-Methylphenol	82.3	U	82.3	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.7	U	98.7	390	ug/Kg
98-95-3	Nitrobenzene	50.8	U	50.8	390	ug/Kg
78-59-1	Isophorone	42.9	U	42.9	390	ug/Kg
88-75-5	2-Nitrophenol	89.4	U	89.4	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.3	U	60.3	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.1	U	60.1	390	ug/Kg
91-20-3	Naphthalene	580		58.3	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.2	U	71.2	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.3	U	69.3	390	ug/Kg
91-57-6	2-Methylnaphthalene	270	J	72	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.8	U	70.8	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.3	U	69.3	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	390	ug/Kg
88-74-4	2-Nitroaniline	81.5	U	81.5	390	ug/Kg
131-11-3	Dimethylphthalate	510		59.2	390	ug/Kg
208-96-8	Acenaphthylene	1400		70.2	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.8	U	82.8	390	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114139.D	1	05/09/19 14:30	05/10/19 23:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.4	U	79.4	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.6	U	75.6	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.5	UJ	97.5	390	ug/Kg
84-66-2	Diethylphthalate	74.1	U	74.1	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.7	U	97.7	390	ug/Kg
86-73-7	Fluorene	220	J	59.7	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.8	U	81.8	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.1	U	66.1	390	ug/Kg
118-74-1	Hexachlorobenzene	77.9	U	77.9	390	ug/Kg
1912-24-9	Atrazine	93	U	93	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	3800		66.8	390	ug/Kg
120-12-7	Anthracene	1000		65.3	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene * 6300	5700	~~E~~	57.9	390	ug/Kg
129-00-0	Pyrene * 10500	8900	~~E~~	71.3	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.8	U	74.8	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene * 4600	4900	~~E~~	44	390	ug/Kg
218-01-9	Chrysene * 5400	5300	~~E~~	49.8	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.5	U	83.5	390	ug/Kg
205-99-2	Benzo(b)fluoranthene * 4800	5300	~~E~~	57	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		66	390	ug/Kg
50-32-8	Benzo(a)pyrene	3600		51.9	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600		84.7	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		61.3	390	ug/Kg

* 5xDIF - Values transferred from the dilution calculation

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114139.D	1	05/09/19 14:30	05/10/19 23:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3700		71.6	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.6	U	91.6	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.8	U	48.8	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		28 - 127	75%	SPK: 150
13127-88-3	Phenol-d6	122		34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.7		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.7		39 - 123	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		30 - 133	79%	SPK: 150
1718-51-0	Terphenyl-d14	81.5		37 - 115	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	271294	6.86			
1146-65-2	Naphthalene-d8	898643	8.13			
15067-26-2	Acenaphthene-d10	366872	9.89			
1517-22-2	Phenanthrene-d10	716194	11.37			
1719-03-5	Chrysene-d12	478389	14.02			
1520-96-3	Perylene-d12	461030	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	960	J		2.13	ug/Kg
	unknown6.63	3200	J		6.63	ug/Kg
65-85-0	Benzoic acid	320	J		7.86	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	750	J		11.67	ug/Kg
~~007372-88-5~~	~~Dibenzothiophene, 4-methyl-~~ unknown	550	J		11.7	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1800	J		11.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1900	J		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	2900	J		11.99	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	2000	J		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	2000	J		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	2200	J		12.43	ug/Kg
002789-88-0	di-p-Tolylacetylene	790	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1800	J		12.52	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114139.D	1	05/09/19 14:30	05/10/19 23:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
006373-11-1	Aceanthrenequinone unknown	580	J		14.83	ug/Kg
000198-55-0	Perylene	3000	J N		15.37	ug/Kg
1000294-14-8	Benzoxazole, 2-[2-(4-piperidyl)pyr unknown	890	J		16.62	ug/Kg
056053-17-9	Curan, 16,17,19,20-tetradehydro-	820	J N		16.8	ug/Kg

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114252.D	5	05/09/19 14:30	05/14/19 09:49	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	570	UD	570	1900	ug/Kg
108-95-2	Phenol	370	UD	370	1900	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	610	UD	610	1900	ug/Kg
95-57-8	2-Chlorophenol	390	UD	390	1900	ug/Kg
95-48-7	2-Methylphenol	410	UD	410	1900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	520	UD	520	1900	ug/Kg
98-86-2	Acetophenone	550	UD	550	1900	ug/Kg
65794-96-9	3+4-Methylphenols	580	UD	580	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	800	UD	800	1900	ug/Kg
67-72-1	Hexachloroethane	490	UD	490	1900	ug/Kg
98-95-3	Nitrobenzene	250	UD	250	1900	ug/Kg
78-59-1	Isophorone	210	UD	210	1900	ug/Kg
88-75-5	2-Nitrophenol	450	UD	450	1900	ug/Kg
105-67-9	2,4-Dimethylphenol	320	UD	320	1900	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	300	UD	300	1900	ug/Kg
120-83-2	2,4-Dichlorophenol	300	UD	300	1900	ug/Kg
91-20-3	Naphthalene	530	JD	290	1900	ug/Kg
106-47-8	4-Chloroaniline	810	UD	810	1900	ug/Kg
87-68-3	Hexachlorobutadiene	360	UD	360	1900	ug/Kg
105-60-2	Caprolactam	660	UD	660	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	350	UD	350	1900	ug/Kg
91-57-6	2-Methylnaphthalene	360	UD	360	1900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1300	UD R	1300	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	350	UD	350	1900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	350	UD	350	1900	ug/Kg
92-52-4	1,1-Biphenyl	610	UD	610	1900	ug/Kg
91-58-7	2-Chloronaphthalene	440	UD	440	1900	ug/Kg
88-74-4	2-Nitroaniline	410	UD	410	1900	ug/Kg
131-11-3	Dimethylphthalate	440	JD	300	1900	ug/Kg
208-96-8	Acenaphthylene	1200	JD	350	1900	ug/Kg
606-20-2	2,6-Dinitrotoluene	410	UD	410	1900	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114252.D	5	05/09/19 14:30	05/14/19 09:49	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	760	UD	760	1900	ug/Kg
83-32-9	Acenaphthene	400	UD	400	1900	ug/Kg
51-28-5	2,4-Dinitrophenol	510	UD R	510	1900	ug/Kg
100-02-7	4-Nitrophenol	380	UD J	380	1900	ug/Kg
132-64-9	Dibenzofuran	530	UD	530	1900	ug/Kg
121-14-2	2,4-Dinitrotoluene	490	UDQ	490	1900	ug/Kg
84-66-2	Diethylphthalate	370	UD	370	1900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	490	UD	490	1900	ug/Kg
86-73-7	Fluorene	300	UD	300	1900	ug/Kg
100-01-6	4-Nitroaniline	510	UD	510	1900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	410	UD J	410	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	450	UD	450	1900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	330	UD	330	1900	ug/Kg
118-74-1	Hexachlorobenzene	390	UD	390	1900	ug/Kg
1912-24-9	Atrazine	470	UD	470	1900	ug/Kg
87-86-5	Pentachlorophenol	630	UD J	630	1900	ug/Kg
85-01-8	Phenanthrene	4200	D	330	1900	ug/Kg
120-12-7	Anthracene	730	JD	330	1900	ug/Kg
86-74-8	Carbazole	530	UD	530	1900	ug/Kg
84-74-2	Di-n-butylphthalate	580	UD J	580	1900	ug/Kg
206-44-0	Fluoranthene	6300	D	290	1900	ug/Kg
129-00-0	Pyrene	10500	D	360	1900	ug/Kg
85-68-7	Butylbenzylphthalate	370	UD	370	1900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870	UD	870	1900	ug/Kg
56-55-3	Benzo(a)anthracene	4600	D	220	1900	ug/Kg
218-01-9	Chrysene	5400	D	250	1900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	540	UD	540	1900	ug/Kg
117-84-0	Di-n-octyl phthalate	420	UD	420	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	4800	D	280	1900	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800	JD	330	1900	ug/Kg
50-32-8	Benzo(a)pyrene	3400	D	260	1900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400	D	420	1900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730	JD	310	1900	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114252.D	5	05/09/19 14:30	05/14/19 09:49	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2900	D	360	1900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	460	UD	460	1900	ug/Kg
123-91-1	1,4-Dioxane	680	UD	680	1900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	UD	240	1900	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	116		28 - 127	78%	SPK: 150
13127-88-3	Phenol-d6	135		34 - 127	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.6		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.6		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	108		30 - 133	72%	SPK: 150
1718-51-0	Terphenyl-d14	76.7		37 - 115	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	237621	6.85			
1146-65-2	Naphthalene-d8	923421	8.13			
15067-26-2	Acenaphthene-d10	433617	9.89			
1517-22-2	Phenanthrene-d10	844109	11.38			
1719-03-5	Chrysene-d12	547735	14.03			
1520-96-3	Perylene-d12	596977	15.53			

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020264.D	1	05/09/19 14:30	05/11/19 06:18	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.5	U	69.5	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	370	ug/Kg
95-57-8	2-Chlorophenol	73.1	U	73.1	370	ug/Kg
95-48-7	2-Methylphenol	77.9	U	77.9	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.2	U	98.2	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	93.5	U	93.5	370	ug/Kg
98-95-3	Nitrobenzene	48.1	U	48.1	370	ug/Kg
78-59-1	Isophorone	40.7	U	40.7	370	ug/Kg
88-75-5	2-Nitrophenol	84.7	U	84.7	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.2	U	61.2	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.1	U	57.1	370	ug/Kg
120-83-2	2,4-Dichlorophenol	56.9	U	56.9	370	ug/Kg
91-20-3	Naphthalene	170	J	55.2	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.4	U	67.4	370	ug/Kg
105-60-2	Caprolactam	120	U	120	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.7	U	65.7	370	ug/Kg
91-57-6	2-Methylnaphthalene	83.3	J	68.2	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.1	U	67.1	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.6	U	65.6	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	83.6	U	83.6	370	ug/Kg
88-74-4	2-Nitroaniline	77.1	U	77.1	370	ug/Kg
131-11-3	Dimethylphthalate	400		56	370	ug/Kg
208-96-8	Acenaphthylene	300	J	66.5	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.4	U	78.4	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020264.D	1	05/09/19 14:30	05/11/19 06:18	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.2	U	75.2	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.2	U J	97.2	370	ug/Kg
100-02-7	4-Nitrophenol	71.7	U	71.7	370	ug/Kg
132-64-9	Dibenzofuran	99.7	U	99.7	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.3	U	92.3	370	ug/Kg
84-66-2	Diethylphthalate	70.1	U	70.1	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.6	U	92.6	370	ug/Kg
86-73-7	Fluorene	56.5	U	56.5	370	ug/Kg
100-01-6	4-Nitroaniline	97.2	U	97.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.5	U J	77.5	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.8	U	85.8	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	370	ug/Kg
118-74-1	Hexachlorobenzene	73.8	U	73.8	370	ug/Kg
1912-24-9	Atrazine	88.1	U	88.1	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	930		63.3	370	ug/Kg
120-12-7	Anthracene	200	J	61.8	370	ug/Kg
86-74-8	Carbazole	99.7	U	99.7	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	1500		54.9	370	ug/Kg
129-00-0	Pyrene *2600	~~3900~~	~~E~~	67.6	370	ug/Kg
85-68-7	Butylbenzylphthalate	70.8	U	70.8	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	1100		41.7	370	ug/Kg
218-01-9	Chrysene	1200		47.2	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.1	U	79.1	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		54	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	330	J	62.5	370	ug/Kg
50-32-8	Benzo(a)pyrene	780		49.2	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	460		80.2	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	J	58	370	ug/Kg

*2x DIL - value should be looked down dilution analysis. —85

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020264.D	1	05/09/19 14:30	05/11/19 06:18	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	770		67.8	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.2	U	46.2	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	140		28 - 127	94%	SPK: 150
13127-88-3	Phenol-d6	157		34 - 127	105%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.1		31 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.2		39 - 123	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		30 - 133	105%	SPK: 150
1718-51-0	Terphenyl-d14	102		37 - 115	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	98891	7.77			
1146-65-2	Naphthalene-d8	403874	10.56			
15067-26-2	Acenaphthene-d10	270669	14.42			
1517-22-2	Phenanthrene-d10	638263	17.17			
1719-03-5	Chrysene-d12	496480	21.36			
1520-96-3	Perylene-d12	476626	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4600	J		7.3	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	150	J		17.69	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	600	J		18.04	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	450	J		18.09	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	660	J		18.23	ug/Kg
001961-96-2	1H-Indene, 1-phenyl-	320	J		18.27	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	410	J		18.54	ug/Kg
000084-65-1	9,10-Anthracenedione	520	J		18.59	ug/Kg
003674-65-5	Phenanthrene, 2,3-dimethyl-	150	J		18.79	ug/Kg
000781-43-1	9,10-Dimethylanthracene	550	J		18.96	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	490	J		19.11	ug/Kg
002381-21-7	Pyrene, 1-methyl-	190	J		19.92	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	160	J		20.06	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020264.D	1	05/09/19 14:30	05/11/19 06:18	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003442-78-2	Pyrene, 2-methyl-	150	J N		20.24	ug/Kg
003353-12-6	Pyrene, 4-methyl-	160	J N		20.39	ug/Kg
000217-59-4	Triphenylene	160	J N		21.04	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	210	J N		21.56	ug/Kg
000192-97-2	Benzo[e]pyrene	1600	J N		23.44	ug/Kg

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-12DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114253.D	2	05/09/19 14:30	05/14/19 10:16	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	UD	220	730	ug/Kg
108-95-2	Phenol	140	UD	140	730	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	UD	230	730	ug/Kg
95-57-8	2-Chlorophenol	150	UD	150	730	ug/Kg
95-48-7	2-Methylphenol	160	UD	160	730	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	UD	200	730	ug/Kg
98-86-2	Acetophenone	210	UD	210	730	ug/Kg
65794-96-9	3+4-Methylphenols	220	UD	220	730	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	300	UD	300	730	ug/Kg
67-72-1	Hexachloroethane	190	UD	190	730	ug/Kg
98-95-3	Nitrobenzene	96.2	UD	96.2	730	ug/Kg
78-59-1	Isophorone	81.3	UD	81.3	730	ug/Kg
88-75-5	2-Nitrophenol	170	UD	170	730	ug/Kg
105-67-9	2,4-Dimethylphenol	120	UD	120	730	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	UD	110	730	ug/Kg
120-83-2	2,4-Dichlorophenol	110	UD	110	730	ug/Kg
91-20-3	Naphthalene	190	JD	110	730	ug/Kg
106-47-8	4-Chloroaniline	310	UD	310	730	ug/Kg
87-68-3	Hexachlorobutadiene	130	UD	130	730	ug/Kg
105-60-2	Caprolactam	250	UD	250	730	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	UD	130	730	ug/Kg
91-57-6	2-Methylnaphthalene	140	UD	140	730	ug/Kg
77-47-4	Hexachlorocyclopentadiene	490	UD R	490	730	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	UD	130	730	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	UD	130	730	ug/Kg
92-52-4	1,1-Biphenyl	230	UD	230	730	ug/Kg
91-58-7	2-Chloronaphthalene	170	UD	170	730	ug/Kg
88-74-4	2-Nitroaniline	150	UD	150	730	ug/Kg
131-11-3	Dimethylphthalate	420	JD	110	730	ug/Kg
208-96-8	Acenaphthylene	280	JD	130	730	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	UD	160	730	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-12DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114253.D	2	05/09/19 14:30	05/14/19 10:16	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	290	UD	290	730	ug/Kg
83-32-9	Acenaphthene	150	UD	150	730	ug/Kg
51-28-5	2,4-Dinitrophenol	190	UD R	190	730	ug/Kg
100-02-7	4-Nitrophenol	140	UD J	140	730	ug/Kg
132-64-9	Dibenzofuran	200	UD	200	730	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	UDQ	180	730	ug/Kg
84-66-2	Diethylphthalate	140	UD	140	730	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	UD	190	730	ug/Kg
86-73-7	Fluorene	110	UD	110	730	ug/Kg
100-01-6	4-Nitroaniline	190	UD	190	730	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	UD J	150	730	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	UD	170	730	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	UD	130	730	ug/Kg
118-74-1	Hexachlorobenzene	150	UD	150	730	ug/Kg
1912-24-9	Atrazine	180	UD	180	730	ug/Kg
87-86-5	Pentachlorophenol	240	UD J	240	730	ug/Kg
85-01-8	Phenanthrene	980	D	130	730	ug/Kg
120-12-7	Anthracene	190	JD	120	730	ug/Kg
86-74-8	Carbazole	200	UD	200	730	ug/Kg
84-74-2	Di-n-butylphthalate	220	UD J	220	730	ug/Kg
206-44-0	Fluoranthene	1500	D	110	730	ug/Kg
129-00-0	Pyrene	2600	D	140	730	ug/Kg
85-68-7	Butylbenzylphthalate	140	UD	140	730	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	UD	330	730	ug/Kg
56-55-3	Benzo(a)anthracene	1000	D	83.4	730	ug/Kg
218-01-9	Chrysene	1300	D	94.4	730	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	UD	200	730	ug/Kg
117-84-0	Di-n-octyl phthalate	160	UD	160	730	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300	D	110	730	ug/Kg
207-08-9	Benzo(k)fluoranthene	360	JD	120	730	ug/Kg
50-32-8	Benzo(a)pyrene	790	D	98.4	730	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	460	JD	160	730	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	JD	120	730	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-12DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114253.D	2	05/09/19 14:30	05/14/19 10:16	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	650	JD	140	730	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	UD	170	730	ug/Kg
123-91-1	1,4-Dioxane	260	UD	260	730	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.4	UD	92.4	730	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		28 - 127	82%	SPK: 150
13127-88-3	Phenol-d6	136		34 - 127	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.8		31 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.8		39 - 123	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		30 - 133	81%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		37 - 115	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	220932	6.85			
1146-65-2	Naphthalene-d8	849887	8.13			
15067-26-2	Acenaphthene-d10	390661	9.89			
1517-22-2	Phenanthrene-d10	716263	11.37			
1719-03-5	Chrysene-d12	494223	14.02			
1520-96-3	Perylene-d12	458281	15.5			

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040833.D	1	05/09/19 14:30	05/10/19 02:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	67.9	U	67.9	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	71.4	U	71.4	360	ug/Kg
95-48-7	2-Methylphenol	76.1	U	76.1	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96	U	96	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	91.3	U	91.3	360	ug/Kg
98-95-3	Nitrobenzene	47	U	47	360	ug/Kg
78-59-1	Isophorone	39.7	U	39.7	360	ug/Kg
88-75-5	2-Nitrophenol	82.7	U J	82.7	360	ug/Kg
105-67-9	2,4-Dimethylphenol	59.8	U	59.8	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.8	U	55.8	360	ug/Kg
120-83-2	2,4-Dichlorophenol	55.6	U J	55.6	360	ug/Kg
91-20-3	Naphthalene	53.9	U	53.9	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	65.8	U J	65.8	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.1	U	64.1	360	ug/Kg
91-57-6	2-Methylnaphthalene	66.7	U	66.7	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65.5	U	65.5	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.1	U J	64.1	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	81.7	U	81.7	360	ug/Kg
88-74-4	2-Nitroaniline	75.4	U J	75.4	360	ug/Kg
131-11-3	Dimethylphthalate	220	J	54.7	360	ug/Kg
208-96-8	Acenaphthylene	65	U	65	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	76.6	U J	76.6	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040833.D	1	05/09/19 14:30	05/10/19 02:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	73.5	U	73.5	360	ug/Kg
51-28-5	2,4-Dinitrophenol	95	U	95	360	ug/Kg
100-02-7	4-Nitrophenol	70	U	70	360	ug/Kg
132-64-9	Dibenzofuran	97.4	U	97.4	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.2	U	90.2	360	ug/Kg
84-66-2	Diethylphthalate	68.5	U	68.5	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	360	ug/Kg
86-73-7	Fluorene	55.2	U	55.2	360	ug/Kg
100-01-6	4-Nitroaniline	94.9	U	94.9	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.7	U	75.7	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.8	U	83.8	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.1	U	61.1	360	ug/Kg
118-74-1	Hexachlorobenzene	72.1	U	72.1	360	ug/Kg
1912-24-9	Atrazine	86.1	U	86.1	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	61.8	U	61.8	360	ug/Kg
120-12-7	Anthracene	60.4	U	60.4	360	ug/Kg
86-74-8	Carbazole	97.4	U	97.4	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	53.6	U	53.6	360	ug/Kg
129-00-0	Pyrene	73.8	J	66	360	ug/Kg
85-68-7	Butylbenzylphthalate	69.2	U	69.2	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	40.8	U	40.8	360	ug/Kg
218-01-9	Chrysene	46.1	U	46.1	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.8	U	99.8	360	ug/Kg
117-84-0	Di-n-octyl phthalate	77.3	U	77.3	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.7	U	52.7	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	61	U	61	360	ug/Kg
50-32-8	Benzo(a)pyrene	48.1	U	48.1	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.4	U	78.4	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.7	U	56.7	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040833.D	1	05/09/19 14:30	05/10/19 02:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	66.2	U	66.2	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	84.8	U	84.8	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.1	U	45.1	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		28 - 127	95%	SPK: 150
13127-88-3	Phenol-d6	140		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.8		31 - 132	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.6		39 - 123	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		30 - 133	100%	SPK: 150
1718-51-0	Terphenyl-d14	89.5		37 - 115	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55328	8.14			
1146-65-2	Naphthalene-d8	227889	10.97			
15067-26-2	Acenaphthene-d10	172915	14.77			
1517-22-2	Phenanthrene-d10	452746	17.51			
1719-03-5	Chrysene-d12	427711	21.8			
1520-96-3	Perylene-d12	436826	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~690~~	~~J~~		~~3.23~~ R	ug/Kg
	~~unknown7.66~~	~~4200~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J N		18.37	ug/Kg
000057-11-4	Octadecanoic acid	130	J N		19.63	ug/Kg
000295-48-7	Cyclopentadecane	330	J N		21.4	ug/Kg
~~000112-84-5~~	~~13-Docosenamide, (Z)-~~ unknown	240	J		23.29	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040833.D	1	05/09/19 14:30	05/10/19 02:05	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040835.D	1	05/09/19 14:30	05/10/19 03:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.9	U	69.9	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	73.5	U	73.5	370	ug/Kg
95-48-7	2-Methylphenol	78.3	U	78.3	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.8	U	98.8	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	94	U	94	370	ug/Kg
98-95-3	Nitrobenzene	48.3	U	48.3	370	ug/Kg
78-59-1	Isophorone	40.9	U	40.9	370	ug/Kg
88-75-5	2-Nitrophenol	85.1	U J	85.1	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.6	U	61.6	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.4	U	57.4	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.2	U J	57.2	370	ug/Kg
91-20-3	Naphthalene	55.5	U	55.5	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.8	U J	67.8	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66	U	66	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.6	U	68.6	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.5	U	67.5	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	66	U J	66	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	84.1	U	84.1	370	ug/Kg
88-74-4	2-Nitroaniline	77.6	U J	77.6	370	ug/Kg
131-11-3	Dimethylphthalate	230	J	56.3	370	ug/Kg
208-96-8	Acenaphthylene	66.9	U	66.9	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.8	U J	78.8	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040835.D	1	05/09/19 14:30	05/10/19 03:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.6	U	75.6	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.8	U	97.8	370	ug/Kg
100-02-7	4-Nitrophenol	72	U	72	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.8	U	92.8	370	ug/Kg
84-66-2	Diethylphthalate	70.5	U	70.5	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.1	U	93.1	370	ug/Kg
86-73-7	Fluorene	56.8	U	56.8	370	ug/Kg
100-01-6	4-Nitroaniline	97.7	U	97.7	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.9	U	77.9	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.3	U	86.3	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.9	U	62.9	370	ug/Kg
118-74-1	Hexachlorobenzene	74.2	U	74.2	370	ug/Kg
1912-24-9	Atrazine	88.6	U	88.6	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	120	J	63.7	370	ug/Kg
120-12-7	Anthracene	62.2	U	62.2	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	240	J	55.2	370	ug/Kg
129-00-0	Pyrene	510		67.9	370	ug/Kg
85-68-7	Butylbenzylphthalate	71.2	U	71.2	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	170	J	41.9	370	ug/Kg
218-01-9	Chrysene	220	J	47.5	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.5	U	79.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	J	54.3	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.8	U	62.8	370	ug/Kg
50-32-8	Benzo(a)pyrene	120	J	49.5	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.7	U	80.7	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.4	U	58.4	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040835.D	1	05/09/19 14:30	05/10/19 03:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	110	J	68.2	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.2	U	87.2	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.4	U	46.4	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	144		28 - 127	96%	SPK: 150
13127-88-3	Phenol-d6	142		34 - 127	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.9		31 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.8		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 - 133	95%	SPK: 150
1718-51-0	Terphenyl-d14	83		37 - 115	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53186	8.14			
1146-65-2	Naphthalene-d8	229213	10.96			
15067-26-2	Acenaphthene-d10	177064	14.77			
1517-22-2	Phenanthrene-d10	461293	17.51			
1719-03-5	Chrysene-d12	441607	21.8			
1520-96-3	Perylene-d12	471270	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	690	J		3.23 R	ug/Kg
	unknown7.67	4200	J		7.67 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	320	J N		18.37	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	77.7	J N		18.43	ug/Kg
000610-48-0	Anthracene, 1-methyl- unknown	95.6	J		18.58	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl- unknown	85.9	J		19.29	ug/Kg
000057-11-4	Octadecanoic acid	140	J N		19.63	ug/Kg
002381-21-7	Pyrene, 1-methyl-	95.9	J N		20.37	ug/Kg
	unknown21.40	120	J		21.4	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	110	J N		23.29	ug/Kg
000192-97-2	Benzo[e]pyrene	160	J N		24.99	ug/Kg

6/7/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040835.D	1	05/09/19 14:30	05/10/19 03:21	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040847.D	1	05/09/19 14:30	05/10/19 12:11	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	70.7	U	70.7	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.3	U	74.3	370	ug/Kg
95-48-7	2-Methylphenol	79.2	U	79.2	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.8	U	99.8	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	95	U	95	370	ug/Kg
98-95-3	Nitrobenzene	48.9	U	48.9	370	ug/Kg
78-59-1	Isophorone	41.3	U	41.3	370	ug/Kg
88-75-5	2-Nitrophenol	86.1	U J	86.1	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.2	U	62.2	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58	U	58	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.8	U J	57.8	370	ug/Kg
91-20-3	Naphthalene	56.1	U	56.1	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	68.5	U J	68.5	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66.7	U	66.7	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.3	U	69.3	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.2	U	68.2	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	66.7	U J	66.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85	U	85	370	ug/Kg
88-74-4	2-Nitroaniline	78.4	U J	78.4	370	ug/Kg
131-11-3	Dimethylphthalate	240	J	57	370	ug/Kg
208-96-8	Acenaphthylene	67.6	U	67.6	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	79.7	U J	79.7	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040847.D	1	05/09/19 14:30	05/10/19 12:11	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U J	150	370	ug/Kg
83-32-9	Acenaphthene	76.5	U	76.5	370	ug/Kg
51-28-5	2,4-Dinitrophenol	98.8	U J	98.8	370	ug/Kg
100-02-7	4-Nitrophenol	72.8	U	72.8	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.8	UQ J	93.8	370	ug/Kg
84-66-2	Diethylphthalate	71.3	U	71.3	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.1	U	94.1	370	ug/Kg
86-73-7	Fluorene	57.4	U	57.4	370	ug/Kg
100-01-6	4-Nitroaniline	98.7	U	98.7	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.7	U J	78.7	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.2	U	87.2	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.6	U	63.6	370	ug/Kg
118-74-1	Hexachlorobenzene	75	U	75	370	ug/Kg
1912-24-9	Atrazine	89.5	U	89.5	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	190	J	64.3	370	ug/Kg
120-12-7	Anthracene	62.8	U	62.8	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	370		55.8	370	ug/Kg
129-00-0	Pyrene	770		68.7	370	ug/Kg
85-68-7	Butylbenzylphthalate	72	U	72	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	260	J	42.4	370	ug/Kg
218-01-9	Chrysene	350	J	48	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	80.4	U	80.4	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	J	54.8	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.6	J	63.5	370	ug/Kg
50-32-8	Benzo(a)pyrene	200	J	50	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	81.5	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59	U	59	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040847.D	1	05/09/19 14:30	05/10/19 12:11	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	180	J	68.9	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.2	U	88.2	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.9	U	46.9	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		28 - 127	96%	SPK: 150
13127-88-3	Phenol-d6	140		34 - 127	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.7		31 - 132	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	75		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		30 - 133	94%	SPK: 150
1718-51-0	Terphenyl-d14	77.1		37 - 115	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61091	8.14			
1146-65-2	Naphthalene-d8	263367	10.97			
15067-26-2	Acenaphthene-d10	188567	14.77			
1517-22-2	Phenanthrene-d10	455077	17.51			
1719-03-5	Chrysene-d12	436963	21.8			
1520-96-3	Perylene-d12	468434	25.15			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane,-2-methoxy-2-methyl-	640	J		3.23 R	ug/Kg
	unknown7.67	4200	J		7.67 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	490	J N		18.37	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	110	J N		18.43	ug/Kg
000610-48-0	Anthracene, 1-methyl-	140	J N		18.57	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	92.1	J N		18.88	ug/Kg
000084-65-1	9,10-Anthracenedione	120	J N		18.92	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	130	J N		19.29	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone Unknown	100	J		19.44	ug/Kg
000057-11-4	Octadecanoic acid	170	J N		19.63	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	91	J N		20.24	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	120	J N		20.38	ug/Kg
002381-21-7	Pyrene, 1-methyl-	83.1	J N		20.7	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040847.D	1	05/09/19 14:30	05/10/19 12:11	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
074685-33-9	3-Eicosene, (E)-	170	J N		21.4	ug/Kg
080252-14-8	6H-Benz[de]anthracen-6-one	76.3	J N		22.07	ug/Kg
~~001090-13-7~~	5,12-Naphthacenedione unknown	89.5	J		22.64	ug/Kg

617119

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114172.D	1	05/09/19 14:30	05/12/19 00:00	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	460	ug/Kg
108-95-2	Phenol	87.4	U	87.4	460	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	460	ug/Kg
95-57-8	2-Chlorophenol	91.9	U	91.9	460	ug/Kg
95-48-7	2-Methylphenol	97.9	U	97.9	460	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	460	ug/Kg
98-86-2	Acetophenone	130	U	130	460	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	460	ug/Kg
67-72-1	Hexachloroethane	120	U	120	460	ug/Kg
98-95-3	Nitrobenzene	60.4	U	60.4	460	ug/Kg
78-59-1	Isophorone	51.1	U	51.1	460	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	460	ug/Kg
105-67-9	2,4-Dimethylphenol	76.9	U	76.9	460	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.7	U	71.7	460	ug/Kg
120-83-2	2,4-Dichlorophenol	71.5	U	71.5	460	ug/Kg
91-20-3	Naphthalene	580		69.4	460	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	460	ug/Kg
87-68-3	Hexachlorobutadiene	84.7	U	84.7	460	ug/Kg
105-60-2	Caprolactam	160	U	160	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	460	ug/Kg
91-57-6	2-Methylnaphthalene	350	J	85.7	460	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.3	U	84.3	460	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.4	U	82.4	460	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	460	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	460	ug/Kg
88-74-4	2-Nitroaniline	96.9	U	96.9	460	ug/Kg
131-11-3	Dimethylphthalate	290	J	70.4	460	ug/Kg
208-96-8	Acenaphthylene	960		83.6	460	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.5	U	98.5	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114172.D	1	05/09/19 14:30	05/12/19 00:00	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	460	ug/Kg
83-32-9	Acenaphthene	94.5	U	94.5	460	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	460	ug/Kg
100-02-7	4-Nitrophenol	90	U	90	460	ug/Kg
132-64-9	Dibenzofuran	130	U	130	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	UJ	120	460	ug/Kg
84-66-2	Diethylphthalate	88.1	U	88.1	460	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	460	ug/Kg
86-73-7	Fluorene	210	J	71	460	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	460	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.3	U	97.3	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	460	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.6	U	78.6	460	ug/Kg
118-74-1	Hexachlorobenzene	92.7	U	92.7	460	ug/Kg
1912-24-9	Atrazine	110	U	110	460	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	460	ug/Kg
85-01-8	Phenanthrene	4000		79.6	460	ug/Kg
120-12-7	Anthracene	730		77.7	460	ug/Kg
86-74-8	Carbazole	130	U	130	460	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	460	ug/Kg
206-44-0	Fluoranthene	4200		69	460	ug/Kg
129-00-0	Pyrene * 8300	~~7600~~	~~E~~	84.9	460	ug/Kg
85-68-7	Butylbenzylphthalate	89	U	89	460	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	460	ug/Kg
56-55-3	Benzo(a)anthracene	4300		52.4	460	ug/Kg
218-01-9	Chrysene * 4900	~~4800~~	~~E~~	59.3	460	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	460	ug/Kg
117-84-0	Di-n-octyl phthalate	99.4	U	99.4	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	4000		67.8	460	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		78.5	460	ug/Kg
50-32-8	Benzo(a)pyrene	3100		61.8	460	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3200		100	460	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	780		72.9	460	ug/Kg

* 2xDIF - Values transcribed from the dilution analysis

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114172.D	1	05/09/19 14:30	05/12/19 00:00	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3000		85.2	460	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	460	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	460	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58	U	58	460	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.5		28 - 127	58%	SPK: 150
13127-88-3	Phenol-d6	99.8		34 - 127	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.4		31 - 132	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.4		39 - 123	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.5		30 - 133	58%	SPK: 150
1718-51-0	Terphenyl-d14	50.5		37 - 115	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305239	6.85			
1146-65-2	Naphthalene-d8	1126060	8.13			
15067-26-2	Acenaphthene-d10	517396	9.88			
1517-22-2	Phenanthrene-d10	911304	11.37			
1719-03-5	Chrysene-d12	513085	14.02			
1520-96-3	Perylene-d12	716410	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	730	J		2.12	ug/Kg
	unknown6.62	3200	J		6.62	ug/Kg
65-85-0	Benzoic acid	390	J		7.85	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	750	J		11.66	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1600	J		11.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1800	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1100	J		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	1400	J		12.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	1200	J		12.42	ug/Kg
	unknown12.46	730	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1100	J		12.52	ug/Kg
000192-97-2	Benzo[e]pyrene	3000	J		15.37	ug/Kg
000629-78-7	Heptadecane	670	J		15.92	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114172.D	1	05/09/19 14:30	05/12/19 00:00	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown16.80	910	J		16.8	ug/Kg
000083-47-6	.gamma.-Sitosterol	510	J N		17.52	ug/Kg

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-16DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114214.D	2	05/09/19 14:30	05/13/19 01:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	270	UD	270	920	ug/Kg
108-95-2	Phenol	170	UD	170	920	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	UD	290	920	ug/Kg
95-57-8	2-Chlorophenol	180	UD	180	920	ug/Kg
95-48-7	2-Methylphenol	200	UD	200	920	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	UD	250	920	ug/Kg
98-86-2	Acetophenone	260	UD	260	920	ug/Kg
65794-96-9	3+4-Methylphenols	270	UD	270	920	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	380	UD	380	920	ug/Kg
67-72-1	Hexachloroethane	230	UD	230	920	ug/Kg
98-95-3	Nitrobenzene	120	UD	120	920	ug/Kg
78-59-1	Isophorone	100	UD	100	920	ug/Kg
88-75-5	2-Nitrophenol	210	UD	210	920	ug/Kg
105-67-9	2,4-Dimethylphenol	150	UD	150	920	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	UD	140	920	ug/Kg
120-83-2	2,4-Dichlorophenol	140	UD	140	920	ug/Kg
91-20-3	Naphthalene	550	JD	140	920	ug/Kg
106-47-8	4-Chloroaniline	380	UD	380	920	ug/Kg
87-68-3	Hexachlorobutadiene	170	UD	170	920	ug/Kg
105-60-2	Caprolactam	310	UD	310	920	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	UD	160	920	ug/Kg
91-57-6	2-Methylnaphthalene	330	JD	170	920	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620	UD R	620	920	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	UD	170	920	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	UD	160	920	ug/Kg
92-52-4	1,1-Biphenyl	290	UD	290	920	ug/Kg
91-58-7	2-Chloronaphthalene	210	UD	210	920	ug/Kg
88-74-4	2-Nitroaniline	190	UD	190	920	ug/Kg
131-11-3	Dimethylphthalate	280	JD	140	920	ug/Kg
208-96-8	Acenaphthylene	1100	D	170	920	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	UD	200	920	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-16DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114214.D	2	05/09/19 14:30	05/13/19 01:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	360	UD	360	920	ug/Kg
83-32-9	Acenaphthene	190	UD	190	920	ug/Kg
51-28-5	2,4-Dinitrophenol	240	UD J	240	920	ug/Kg
100-02-7	4-Nitrophenol	180	UD J	180	920	ug/Kg
132-64-9	Dibenzofuran	250	UD	250	920	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	UDQ	230	920	ug/Kg
84-66-2	Diethylphthalate	180	UD	180	920	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	UD	230	920	ug/Kg
86-73-7	Fluorene	190	JD	140	920	ug/Kg
100-01-6	4-Nitroaniline	240	UD	240	920	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	UD J	190	920	ug/Kg
86-30-6	n-Nitrosodiphenylamine	220	UD	220	920	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	UD	160	920	ug/Kg
118-74-1	Hexachlorobenzene	190	UD	190	920	ug/Kg
1912-24-9	Atrazine	220	UD	220	920	ug/Kg
87-86-5	Pentachlorophenol	300	UD	300	920	ug/Kg
85-01-8	Phenanthrene	4600	D	160	920	ug/Kg
120-12-7	Anthracene	760	JD	160	920	ug/Kg
86-74-8	Carbazole	250	UD	250	920	ug/Kg
84-74-2	Di-n-butylphthalate	280	UD	280	920	ug/Kg
206-44-0	Fluoranthene	5500	D	140	920	ug/Kg
129-00-0	Pyrene	8300	D	170	920	ug/Kg
85-68-7	Butylbenzylphthalate	180	UD	180	920	ug/Kg
91-94-1	3,3-Dichlorobenzidine	410	UD	410	920	ug/Kg
56-55-3	Benzo(a)anthracene	4100	D	100	920	ug/Kg
218-01-9	Chrysene	4900	D	120	920	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	260	UD	260	920	ug/Kg
117-84-0	Di-n-octyl phthalate	200	UD	200	920	ug/Kg
205-99-2	Benzo(b)fluoranthene	4300	D	140	920	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600	D	160	920	ug/Kg
50-32-8	Benzo(a)pyrene	3100	D	120	920	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100	D	200	920	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	670	JD	150	920	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-16DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114214.D	2	05/09/19 14:30	05/13/19 01:40	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2800	D	170	920	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	220	UD	220	920	ug/Kg
123-91-1	1,4-Dioxane	330	UD	330	920	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	UD	120	920	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.2		28 - 127	62%	SPK: 150
13127-88-3	Phenol-d6	104		34 - 127	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.8		31 - 132	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.5		39 - 123	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.1		30 - 133	57%	SPK: 150
1718-51-0	Terphenyl-d14	49.7		37 - 115	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	272943	6.85			
1146-65-2	Naphthalene-d8	1041930	8.13			
15067-26-2	Acenaphthene-d10	474322	9.89			
1517-22-2	Phenanthrene-d10	837676	11.37			
1719-03-5	Chrysene-d12	593197	14.02			
1520-96-3	Perylene-d12	622731	15.49			

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114171.D	1	05/09/19 14:30	05/11/19 23:34	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	120	J	80.8	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	84.9	U	84.9	430	ug/Kg
95-48-7	2-Methylphenol	90.5	U	90.5	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	55.8	U	55.8	430	ug/Kg
78-59-1	Isophorone	47.2	U	47.2	430	ug/Kg
88-75-5	2-Nitrophenol	98.4	U	98.4	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.1	U	71.1	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.3	U	66.3	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.1	U	66.1	430	ug/Kg
91-20-3	Naphthalene	440		64.1	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	78.3	U	78.3	430	ug/Kg
105-60-2	Caprolactam	140	U	140	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.3	U	76.3	430	ug/Kg
91-57-6	2-Methylnaphthalene	260	J	79.3	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.9	U	77.9	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.2	U	76.2	430	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	430	ug/Kg
91-58-7	2-Chloronaphthalene	97.1	U	97.1	430	ug/Kg
88-74-4	2-Nitroaniline	89.6	U	89.6	430	ug/Kg
131-11-3	Dimethylphthalate	300	J	65.1	430	ug/Kg
208-96-8	Acenaphthylene	820		77.3	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.1	U	91.1	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114171.D	1	05/09/19 14:30	05/11/19 23:34	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	87.4	U	87.4	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	430	ug/Kg
100-02-7	4-Nitrophenol	83.2	U	83.2	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	81.5	U	81.5	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	160	J	65.7	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90	U	90	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.7	U	99.7	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.7	U	72.7	430	ug/Kg
118-74-1	Hexachlorobenzene	85.7	U	85.7	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	3500		73.5	430	ug/Kg
120-12-7	Anthracene	550		71.8	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	3900		63.8	430	ug/Kg
129-00-0	Pyrene * 7000	~~6500~~	~~E~~	78.5	430	ug/Kg
85-68-7	Butylbenzylphthalate	82.2	U	82.2	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	3500		48.5	430	ug/Kg
218-01-9	Chrysene	3900		54.8	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	91.9	U	91.9	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	3300		62.7	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		72.6	430	ug/Kg
50-32-8	Benzo(a)pyrene	2600		57.2	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		93.2	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	680		67.4	430	ug/Kg

* 2xDF – value transferred from dilution analysis

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114171.D	1	05/09/19 14:30	05/11/19 23:34	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2700		78.8	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.7	U	53.7	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	128		34 - 127	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.6		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.5		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 - 133	73%	SPK: 150
1718-51-0	Terphenyl-d14	69.9		37 - 115	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	283454	6.85			
1146-65-2	Naphthalene-d8	1060090	8.13			
15067-26-2	Acenaphthene-d10	494244	9.88			
1517-22-2	Phenanthrene-d10	869310	11.37			
1719-03-5	Chrysene-d12	521440	14.02			
1520-96-3	Perylene-d12	746510	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	~~Butane, 2-methoxy-2-methyl-~~ unknown	1000	J		2.12	ug/Kg
	unknown6.62	3800	J		6.62	ug/Kg
65-85-0	Benzoic acid	350	J		7.85	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	530	J		11.66	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1200	J		11.87	ug/Kg
000779-02-2	Anthracene, 9-methyl-	1400	J		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	1700	J		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1200	J		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	1200	J		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1100	J		12.42	ug/Kg
	unknown12.46	780	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	940	J		12.51	ug/Kg
080252-14-8	6H-Benz[de]anthracen-6-one	390	J		14.16	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114171.D	1	05/09/19 14:30	05/11/19 23:34	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~006373-11-1~~	~~Aceanthrenequinone~~ Unknown	410	J		14.82	ug/Kg
000192-97-2	Benzo[e]pyrene	2500	J N		15.36	ug/Kg
~~1000190-54-9~~	~~10-Bromo-1,2,3,4-tetrahydro-phenan~~ Unknown	710	J		16.79	ug/Kg
000215-58-7	Benzo[b]triphenylene	380	J N		17.17	ug/Kg

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-17DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114213.D	2	05/09/19 14:30	05/13/19 01:13	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	250	UD	250	850	ug/Kg
108-95-2	Phenol	160	UD	160	850	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	UD	270	850	ug/Kg
95-57-8	2-Chlorophenol	170	UD	170	850	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	850	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	UD	230	850	ug/Kg
98-86-2	Acetophenone	240	UD	240	850	ug/Kg
65794-96-9	3+4-Methylphenols	250	UD	250	850	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	350	UD	350	850	ug/Kg
67-72-1	Hexachloroethane	220	UD	220	850	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	850	ug/Kg
78-59-1	Isophorone	94.5	UD	94.5	850	ug/Kg
88-75-5	2-Nitrophenol	200	UD	200	850	ug/Kg
105-67-9	2,4-Dimethylphenol	140	UD	140	850	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	UD	130	850	ug/Kg
120-83-2	2,4-Dichlorophenol	130	UD	130	850	ug/Kg
91-20-3	Naphthalene	410	JD	130	850	ug/Kg
106-47-8	4-Chloroaniline	350	UD	350	850	ug/Kg
87-68-3	Hexachlorobutadiene	160	UD	160	850	ug/Kg
105-60-2	Caprolactam	290	UD	290	850	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	UD	150	850	ug/Kg
91-57-6	2-Methylnaphthalene	230	JD	160	850	ug/Kg
77-47-4	Hexachlorocyclopentadiene	570	UD R	570	850	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	UD	160	850	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	UD	150	850	ug/Kg
92-52-4	1,1-Biphenyl	270	UD	270	850	ug/Kg
91-58-7	2-Chloronaphthalene	190	UD	190	850	ug/Kg
88-74-4	2-Nitroaniline	180	UD	180	850	ug/Kg
131-11-3	Dimethylphthalate	280	JD	130	850	ug/Kg
208-96-8	Acenaphthylene	850	D	150	850	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	850	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-17DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114213.D	2	05/09/19 14:30	05/13/19 01:13	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	330	UD	330	850	ug/Kg
83-32-9	Acenaphthene	170	UD	170	850	ug/Kg
51-28-5	2,4-Dinitrophenol	230	UD J	230	850	ug/Kg
100-02-7	4-Nitrophenol	170	UD J	170	850	ug/Kg
132-64-9	Dibenzofuran	230	UD	230	850	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	UDQ	210	850	ug/Kg
84-66-2	Diethylphthalate	160	UD	160	850	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	220	UD	220	850	ug/Kg
86-73-7	Fluorene	130	UD	130	850	ug/Kg
100-01-6	4-Nitroaniline	230	UD	230	850	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	UD J	180	850	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	UD	200	850	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	UD	150	850	ug/Kg
118-74-1	Hexachlorobenzene	170	UD	170	850	ug/Kg
1912-24-9	Atrazine	200	UD	200	850	ug/Kg
87-86-5	Pentachlorophenol	280	UD	280	850	ug/Kg
85-01-8	Phenanthrene	3700	D	150	850	ug/Kg
120-12-7	Anthracene	600	JD	140	850	ug/Kg
86-74-8	Carbazole	230	UD	230	850	ug/Kg
84-74-2	Di-n-butylphthalate	250	UD	250	850	ug/Kg
206-44-0	Fluoranthene	4400	D	130	850	ug/Kg
129-00-0	Pyrene	7000	D	160	850	ug/Kg
85-68-7	Butylbenzylphthalate	160	UD	160	850	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	UD	380	850	ug/Kg
56-55-3	Benzo(a)anthracene	3400	D	96.9	850	ug/Kg
218-01-9	Chrysene	4000	D	110	850	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	240	UD	240	850	ug/Kg
117-84-0	Di-n-octyl phthalate	180	UD	180	850	ug/Kg
205-99-2	Benzo(b)fluoranthene	3700	D	130	850	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100	D	150	850	ug/Kg
50-32-8	Benzo(a)pyrene	2600	D	110	850	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800	D	190	850	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	560	JD	130	850	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01DL	SDG No.:	K2764
Lab Sample ID:	K2764-17DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114213.D	2	05/09/19 14:30	05/13/19 01:13	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2200	D	160	850	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	UD	200	850	ug/Kg
123-91-1	1,4-Dioxane	300	UD	300	850	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	UD	110	850	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		28 - 127	80%	SPK: 150
13127-88-3	Phenol-d6	133		34 - 127	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.7		31 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 - 133	73%	SPK: 150
1718-51-0	Terphenyl-d14	64.7		37 - 115	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	259850	6.85			
1146-65-2	Naphthalene-d8	994391	8.13			
15067-26-2	Acenaphthene-d10	457521	9.89			
1517-22-2	Phenanthrene-d10	817646	11.37			
1719-03-5	Chrysene-d12	554218	14.02			
1520-96-3	Perylene-d12	591839	15.49			

③ 6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114135.D	1	05/09/19 14:30	05/10/19 21:54	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.1	U	78.1	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.1	U	82.1	410	ug/Kg
95-48-7	2-Methylphenol	87.5	U	87.5	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54	U	54	410	ug/Kg
78-59-1	Isophorone	45.7	U	45.7	410	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.8	U	68.8	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.1	U	64.1	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.9	U	63.9	410	ug/Kg
91-20-3	Naphthalene	62	U	62	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.7	U	75.7	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.8	U	73.8	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.7	U	76.7	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.4	U	75.4	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.7	U	73.7	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94	U	94	410	ug/Kg
88-74-4	2-Nitroaniline	86.7	U	86.7	410	ug/Kg
131-11-3	Dimethylphthalate	420		63	410	ug/Kg
208-96-8	Acenaphthylene	160	J	74.7	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.1	U	88.1	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114135.D	1	05/09/19 14:30	05/10/19 21:54	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	84.5	U	84.5	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.5	U	80.5	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	UQ	100	410	ug/Kg
84-66-2	Diethylphthalate	78.8	U	78.8	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.5	U	63.5	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87	U	87	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.4	U	96.4	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.3	U	70.3	410	ug/Kg
118-74-1	Hexachlorobenzene	82.9	U	82.9	410	ug/Kg
1912-24-9	Atrazine	99	U	99	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	570		71.1	410	ug/Kg
120-12-7	Anthracene	100	J	69.5	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	860		61.7	410	ug/Kg
129-00-0	Pyrene	1300		75.9	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.5	U	79.5	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	520		46.9	410	ug/Kg
218-01-9	Chrysene	630		53	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.9	U	88.9	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	620		60.6	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	70.2	410	ug/Kg
50-32-8	Benzo(a)pyrene	420		55.3	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	J	90.1	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.2	U	65.2	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114135.D	1	05/09/19 14:30	05/10/19 21:54	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	390	J	76.2	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.5	U	97.5	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.9	U	51.9	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	109		28 - 127	73%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.1		31 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.5		39 - 123	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		30 - 133	79%	SPK: 150
1718-51-0	Terphenyl-d14	77.1		37 - 115	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	323197	6.85			
1146-65-2	Naphthalene-d8	1126010	8.13			
15067-26-2	Acenaphthene-d10	470849	9.89			
1517-22-2	Phenanthrene-d10	867539	11.37			
1719-03-5	Chrysene-d12	641877	14.01			
1520-96-3	Perylene-d12	553997	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	2000	J		2.15	ug/Kg
	unknown6.63	3500	J		6.63	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	190	J		11.87	ug/Kg
000613-12-7	Anthracene, 2-methyl-	570	J		11.9	ug/Kg
000779-02-2	Anthracene, 9-methyl- unknown	340	J		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	150	J		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	230	J		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	260	J		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	170	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J		13.03	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	110	J		13.12	ug/Kg
003353-12-6	Pyrene, 4-methyl-	110	J		13.25	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	110	J		13.33	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.1
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114135.D	1	05/09/19 14:30	05/10/19 21:54	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000479-79-8	11H-Benzo[a]fluoren-11-one	99.3	J N		13.65	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate unknown	320	J		13.85	ug/Kg
000192-97-2	Benzo[e]pyrene	160	J N		15.17	ug/Kg

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.8
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040845.D	1	05/09/19 14:30	05/10/19 10:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.7	U	77.7	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.7	U	81.7	410	ug/Kg
95-48-7	2-Methylphenol	87.1	U	87.1	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.7	U	53.7	410	ug/Kg
78-59-1	Isophorone	45.5	U	45.5	410	ug/Kg
88-75-5	2-Nitrophenol	94.7	U J	94.7	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.4	U	68.4	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.8	U	63.8	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.6	U J	63.6	410	ug/Kg
91-20-3	Naphthalene	61.7	U	61.7	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.3	U J	75.3	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.4	U	73.4	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.3	U	76.3	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75	U	75	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.3	U J	73.3	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.5	U	93.5	410	ug/Kg
88-74-4	2-Nitroaniline	86.2	U J	86.2	410	ug/Kg
131-11-3	Dimethylphthalate	340	J	62.6	410	ug/Kg
208-96-8	Acenaphthylene	74.4	U	74.4	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.6	U J	87.6	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.8
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040845.D	1	05/09/19 14:30	05/10/19 10:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U J	160	410	ug/Kg
83-32-9	Acenaphthene	84.1	U	84.1	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.1	U	80.1	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	UØ J	100	410	ug/Kg
84-66-2	Diethylphthalate	78.4	U	78.4	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.2	U	63.2	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.6	U J	86.6	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.9	U	95.9	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.9	U	69.9	410	ug/Kg
118-74-1	Hexachlorobenzene	82.5	U	82.5	410	ug/Kg
1912-24-9	Atrazine	98.5	U	98.5	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	480		70.8	410	ug/Kg
120-12-7	Anthracene	69.1	U	69.1	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	640		61.3	410	ug/Kg
129-00-0	Pyrene	1300		75.5	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.1	U	79.1	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	430		46.6	410	ug/Kg
218-01-9	Chrysene	560		52.8	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.4	U	88.4	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	460		60.3	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	J	69.8	410	ug/Kg
50-32-8	Benzo(a)pyrene	330	J	55	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	J J	89.7	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.9	U	64.9	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.8
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040845.D	1	05/09/19 14:30	05/10/19 10:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	270	J	75.8	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97	U	97	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.6	U	51.6	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		28 - 127	96%	SPK: 150
13127-88-3	Phenol-d6	142		34 - 127	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.4		31 - 132	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		30 - 133	94%	SPK: 150
1718-51-0	Terphenyl-d14	69.2		37 - 115	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65197	8.14			
1146-65-2	Naphthalene-d8	273158	10.96			
15067-26-2	Acenaphthene-d10	203583	14.77			
1517-22-2	Phenanthrene-d10	483738	17.51			
1719-03-5	Chrysene-d12	461941	21.8			
1520-96-3	Perylene-d12	502504	25.16			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	700	J		3.23	ug/Kg
	unknown7.67	4800	J		7.67	ug/Kg
000057-10-3	n-Hexadecanoic acid	550	J		18.37	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	210	J		18.43	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	270	J		18.57	ug/Kg
000613-12-7	Anthracene, 2-methyl-	120	J		18.61	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	160	J		18.88	ug/Kg
000084-65-1	9,10-Anthracenedione	200	J		18.92	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	200	J		19.29	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	190	J		19.44	ug/Kg
000057-11-4	Octadecanoic acid	240	J		19.63	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	120	J		20.25	ug/Kg
002381-21-7	Pyrene, 1-methyl-	91.4	J		20.56	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.8
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040845.D	1	05/09/19 14:30	05/10/19 10:55	PB119594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003353-12-6	Pyrene, 4-methyl-	110	J N		20.71	ug/Kg
~~1000272-59-9~~	~~Isothiazol-5-amine, 4-bromo-3-chlo~~ Unknown	130	J		21.41	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	150	J N		22.07	ug/Kg

6/7/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2764	**OrderDate:**	5/9/2019 9:51:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2764-01	**P021-SS008-0206-02**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-02	**P021-SS008-0612-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-03	**P021-SS008-1218-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-04	**P021-SS008-1824-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-05	**P021-SS009-0002-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-06	**P021-SS009-0206-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-07	**P021-SS009-0612-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-08	**P021-SS010-0002-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-09	**P021-SS010-0206-01**	**SOIL**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	

LAB CHRONICLE

K2764-10	P021-SS010-0612-01	SOIL			05/08/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-11	P026-SS001-0002-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-11DL	P026-SS001-0002-01DL	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/14/19	
K2764-12	P026-SS001-0206-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/11/19	
K2764-12DL	P026-SS001-0206-01DL	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/14/19	
K2764-13	P026-SS001-0612-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-14	P026-SS001-1218-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-15	P026-SS001-1824-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-16	P026-SS002-0002-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/12/19	
K2764-16DL	P026-SS002-0002-01DL	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/13/19	
K2764-17	P026-SS002-0206-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/09/19	05/11/19	
K2764-17DL	P026-SS002-0206-01DL	SOIL			05/06/19			05/09/19

LAB CHRONICLE

			SVOC-TCL BNA -20	8270D		05/09/19	05/13/19	
K2764-18	**P026-SS002-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	
K2764-19	**P026-SS002-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/09/19	05/10/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATES: May 6 and 8, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS008-0206-02[1]	P021-SS008-0612-01	P021-SS008-1218-01	P021-SS008-1824-01	P021-SS009-0002-01
Lab Sample ID	K2764-01	K2764-02	K2764-03	K2764-04	K2764-05
Sample Weight (g)	2.35	2.38	2.42	2.38	2.4
(Hg weight, g)	0.56	0.58	0.56	0.57	0.58
% Solid	85.5	87	87.5	84.9	67.2
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**4.5**	**3.82**	**3.89**	**2.71**	**4.62**
Barium	**153**	**117**	**124**	**101**	**321**
Cadmium	0.024 U	0.023 U	**0.069 J**	0.024 U	**0.094 J**
Chromium	**9.51**	**8.9**	**8.38**	**8.99**	**9.69**
Lead	**21.3**	**12**	**15.6**	**8.74**	**70.9**
Mercury	**0.053**	**0.052**	**0.05**	**0.021**	**0.093**
Selenium	0.316 U	0.307 U	0.3 U	0.314 U	0.394 U
Silver	0.041 U	0.04 U	0.039 U	0.041 U	0.051 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P021-SS009-0206-01	P021-SS009-0612-01	P021-SS010-0002-01	P021-SS010-0206-01	P021-SS010-0612-01
Lab Sample ID	K2764-06	K2764-07	K2764-08	K2764-09	K2764-10
Sample Weight (g)	2.39	2.38	2.42	2.36	2.39
(Hg weight, g)	0.56	0.56	0.55	0.56	0.53
% Solid	79.4	79.8	79.4	85.1	88.1
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**3.6**	**3.6**	**3.15**	**2.81**	**5.02**
Barium	**255**	**232**	**269**	**260**	**372**
Cadmium	**0.224 J**	0.025 U	0.025 U	0.024 U	**0.093 J**
Chromium	**9.6**	**9.46**	**8.67**	**8.35**	**8.11**
Lead	**59.2**	**41.7**	**33.6**	**31.1**	**19.7**
Mercury	**0.08**	**0.069**	**0.035**	**0.038**	**0.038**
Selenium	0.334 U	0.334 U	0.33 U	0.316 U	**0.413 J**
Silver	0.044 U	0.043 U	0.043 U	0.041 U	0.039 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[1]Associated field sample P021-SS008-0206-01 (reported in SDG# K2763)

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 6, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS001-0002-01	P026-SS001-0206-01	P026-SS001-0612-01	P026-SS001-1218-01	P026-SS001-1824-01
Lab Sample ID	K2764-11	K2764-12	K2764-13	K2764-14	K2764-15
Sample Weight (g)	2.35	2.37	2.34	2.35	2.40
(Hg weight, g)	0.56	0.54	0.58	0.57	0.56
% Solid	85.1	89.7	92.2	89.4	88.3
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**4.82**	**3.95**	**2.98**	**3.25**	**2.69**
Barium	**110**	**119**	**97.1**	**179**	**171**
Cadmium	0.024 U	0.023 U	**0.131 J**	**0.063 J**	0.023 U
Chromium	**6.52**	**9.34**	**7.96**	**8.28**	**8.48**
Lead	**35.6**	**16**	**11.2**	**17.4**	**11.1**
Mercury	**0.057**	**0.035**	**0.024**	**0.022**	**0.019**
Selenium	0.317 U	0.299 U	0.294 U	0.302 U	0.299 U
Silver	0.041 U	0.039 U	0.038 U	0.039 U	0.039 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-0002-01	P026-SS002-0206-01	P026-SS002-0612-01	P026-SS002-1218-01
Lab Sample ID	K2764-16	K2764-17	K2764-18	K2764-19
Sample Weight (g)	2.41	2.45	2.45	2.40
(Hg weight, g)	0.58	0.56	0.56	0.57
% Solid	71.7	77.4	79.9	80.2
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**5.17**	**4.26**	**3.5**	**2.5**
Barium	**146**	**129**	**172**	**172**
Cadmium	0.028 U	0.025 U	0.025 U	0.025 U
Chromium	**6.26**	**6.55**	**8.14**	**8.46**
Lead	**40.7**	**34.4**	**19.6**	**16.5**
Mercury	**0.053**	**0.055**	**0.062**	**0.048**
Selenium	0.367 U	0.335 U	0.324 U	0.33 U
Silver	0.048 U	0.044 U	0.042 U	0.043 UJ

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2764
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P026-SS002-1218-01MS) analysis met criteria for all samples except for Silver.
The Matrix Spike Duplicate (P026-SS002-1218-01MSD) analysis met criteria for all samples except for Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)

S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,

C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes APPROVED
Mildred V Reyes, QAQC Supervisor at 4:29 pm, May 16, 2019

SAMPLE DATA

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0206-02	SDG No.:	K2764
Lab Sample ID:	K2764-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.5		1	0.192	0.995	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010
7440-39-3	Barium	153		1	0.415	4.98	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.299	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010
7440-47-3	Chromium	9.51		1	0.153	0.498	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010
7439-92-1	Lead	21.3		1	0.052	0.597	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010
7439-97-6	Mercury	0.053		1	0.003	0.015	mg/Kg	05/10/19 15:04	05/11/19 10:01	SW7471B
7782-49-2	Selenium	0.316	U	1	0.316	0.995	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.498	mg/Kg	05/10/19 15:18	05/11/19 22:03	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.82		1	0.187	0.966	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010
7440-39-3	Barium	117		1	0.403	4.83	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010
7440-47-3	Chromium	8.9		1	0.148	0.483	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010
7439-92-1	Lead	12		1	0.05	0.58	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010
7439-97-6	Mercury	0.052		1	0.003	0.014	mg/Kg	05/10/19 15:04	05/11/19 10:03	SW7471B
7782-49-2	Selenium	0.307	U	1	0.307	0.966	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010
7440-22-4	Silver	0.04	U N	1	0.04	0.483	mg/Kg	05/10/19 15:18	05/11/19 22:07	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.89		1	0.183	0.945	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010
7440-39-3	Barium	124		1	0.394	4.72	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010
7440-43-9	Cadmium	0.069	J	1	0.023	0.283	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010
7440-47-3	Chromium	8.38		1	0.145	0.472	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010
7439-92-1	Lead	15.6		1	0.049	0.567	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010
7439-97-6	Mercury	0.05		1	0.003	0.014	mg/Kg	05/10/19 15:04	05/11/19 10:06	SW7471B
7782-49-2	Selenium	0.3	U	1	0.3	0.945	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.472	mg/Kg	05/10/19 15:18	05/11/19 22:12	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS008-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.71		1	0.191	0.99	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010
7440-39-3	Barium	101		1	0.413	4.95	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.297	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010
7440-47-3	Chromium	8.99		1	0.152	0.495	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010
7439-92-1	Lead	8.74		1	0.051	0.594	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010
7439-97-6	Mercury	0.021		1	0.003	0.014	mg/Kg	05/10/19 15:04	05/11/19 10:08	SW7471B
7782-49-2	Selenium	0.314	U	1	0.314	0.99	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010
7440-22-4	Silver	0.041	~~UN~~	1	0.041	0.495	mg/Kg	05/10/19 15:18	05/11/19 22:25	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	67.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.62		1	0.24	1.24	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010
7440-39-3	Barium	321		1	0.517	6.2	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010
7440-43-9	Cadmium	0.094	J	1	0.03	0.372	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010
7440-47-3	Chromium	9.69		1	0.191	0.62	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010
7439-92-1	Lead	70.9		1	0.064	0.744	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010
7439-97-6	Mercury	0.093		1	0.003	0.018	mg/Kg	05/10/19 15:04	05/11/19 10:10	SW7471B
7782-49-2	Selenium	0.394	U	1	0.394	1.24	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010
7440-22-4	Silver	0.051	UN	1	0.051	0.62	mg/Kg	05/10/19 15:18	05/11/19 22:29	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.6		1	0.204	1.05	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010
7440-39-3	Barium	255		1	0.439	5.27	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010
7440-43-9	Cadmium	0.224	J	1	0.025	0.316	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010
7440-47-3	Chromium	9.6		1	0.162	0.527	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010
7439-92-1	Lead	59.2		1	0.055	0.632	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010
7439-97-6	Mercury	0.08		1	0.003	0.016	mg/Kg	05/10/19 15:04	05/11/19 10:17	SW7471B
7782-49-2	Selenium	0.334	U	1	0.334	1.05	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.527	mg/Kg	05/10/19 15:18	05/11/19 22:34	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS009-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.6		1	0.203	1.05	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010
7440-39-3	Barium	232		1	0.439	5.27	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.316	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010
7440-47-3	Chromium	9.46		1	0.162	0.527	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010
7439-92-1	Lead	41.7		1	0.054	0.632	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010
7439-97-6	Mercury	0.069		1	0.003	0.016	mg/Kg	05/10/19 15:04	05/11/19 10:19	SW7471B
7782-49-2	Selenium	0.334	U	1	0.334	1.05	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.527	mg/Kg	05/10/19 15:18	05/11/19 22:39	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.15		1	0.201	1.04	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010
7440-39-3	Barium	269		1	0.434	5.2	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.312	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010
7440-47-3	Chromium	8.67		1	0.16	0.52	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010
7439-92-1	Lead	33.6		1	0.054	0.625	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010
7439-97-6	Mercury	0.035		1	0.003	0.016	mg/Kg	05/10/19 15:04	05/11/19 10:22	SW7471B
7782-49-2	Selenium	0.33	U	1	0.33	1.04	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.52	mg/Kg	05/10/19 15:18	05/11/19 22:43	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.81		1	0.192	0.996	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010
7440-39-3	Barium	260		1	0.415	4.98	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.299	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010
7440-47-3	Chromium	8.35		1	0.153	0.498	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010
7439-92-1	Lead	31.1		1	0.052	0.598	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010
7439-97-6	Mercury	0.038		1	0.003	0.015	mg/Kg	05/10/19 15:04	05/11/19 10:24	SW7471B
7782-49-2	Selenium	0.316	U	1	0.316	0.996	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010
7440-22-4	Silver	0.041	U	1	0.041	0.498	mg/Kg	05/10/19 15:18	05/11/19 22:48	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P021-SS010-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.02		1	0.184	0.95	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010
7440-39-3	Barium	372		1	0.396	4.75	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010
7440-43-9	Cadmium	0.093	J	1	0.023	0.285	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010
7440-47-3	Chromium	8.11		1	0.146	0.475	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010
7439-92-1	Lead	19.7		1	0.049	0.57	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010
7439-97-6	Mercury	0.038		1	0.003	0.015	mg/Kg	05/10/19 15:04	05/11/19 10:26	SW7471B
7782-49-2	Selenium	0.413	J	1	0.301	0.95	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.475	mg/Kg	05/10/19 15:18	05/13/19 13:10	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.1

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.82		1	0.193	1	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010
7440-39-3	Barium	110		1	0.417	5	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.3	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010
7440-47-3	Chromium	6.52		1	0.154	0.5	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010
7439-92-1	Lead	35.6		1	0.052	0.6	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010
7439-97-6	Mercury	0.057		1	0.003	0.015	mg/Kg	05/10/19 15:04	05/11/19 10:28	SW7471B
7782-49-2	Selenium	0.317	U	1	0.317	1	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.5	mg/Kg	05/10/19 15:18	05/11/19 22:57	SW6010

6/17/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.95		1	0.182	0.941	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010
7440-39-3	Barium	119		1	0.392	4.7	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.282	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010
7440-47-3	Chromium	9.34		1	0.145	0.47	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010
7439-92-1	Lead	16		1	0.049	0.564	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010
7439-97-6	Mercury	0.035		1	0.003	0.014	mg/Kg	05/10/19 15:04	05/11/19 10:31	SW7471B
7782-49-2	Selenium	0.299	U	1	0.299	0.941	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.47	mg/Kg	05/10/19 15:18	05/11/19 23:01	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.98		1	0.179	0.927	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010
7440-39-3	Barium	97.1		1	0.386	4.64	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010
7440-43-9	Cadmium	0.131	J	1	0.022	0.278	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010
7440-47-3	Chromium	7.96		1	0.142	0.464	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010
7439-92-1	Lead	11.2		1	0.048	0.556	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010
7439-97-6	Mercury	0.024		1	0.002	0.013	mg/Kg	05/10/19 15:04	05/11/19 10:33	SW7471B
7782-49-2	Selenium	0.294	U	1	0.294	0.927	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.464	mg/Kg	05/10/19 15:18	05/11/19 23:06	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.25		1	0.184	0.952	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010
7440-39-3	Barium	179		1	0.397	4.76	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010
7440-43-9	Cadmium	0.063	J	1	0.023	0.286	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010
7440-47-3	Chromium	8.28		1	0.146	0.476	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010
7439-92-1	Lead	17.4		1	0.049	0.571	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010
7439-97-6	Mercury	0.022		1	0.003	0.014	mg/Kg	05/10/19 15:04	05/11/19 10:35	SW7471B
7782-49-2	Selenium	0.302	U	1	0.302	0.952	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.476	mg/Kg	05/10/19 15:18	05/11/19 23:19	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS001-1824-01	SDG No.:	K2764
Lab Sample ID:	K2764-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.3

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.69		1	0.182	0.944	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010
7440-39-3	Barium	171		1	0.393	4.72	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.283	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010
7440-47-3	Chromium	8.48		1	0.145	0.472	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010
7439-92-1	Lead	11.1		1	0.049	0.566	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010
7439-97-6	Mercury	0.019		1	0.003	0.014	mg/Kg	05/10/19 15:04	05/11/19 10:37	SW7471B
7782-49-2	Selenium	0.299	U	1	0.299	0.944	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.472	mg/Kg	05/10/19 15:18	05/11/19 23:24	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0002-01	SDG No.:	K2764
Lab Sample ID:	K2764-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	71.7

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.17		1	0.224	1.16	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010
7440-39-3	Barium	146		1	0.482	5.79	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010
7440-43-9	Cadmium	0.028	U	1	0.028	0.347	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010
7440-47-3	Chromium	6.26		1	0.178	0.579	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010
7439-92-1	Lead	40.7		1	0.06	0.694	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010
7439-97-6	Mercury	0.053		1	0.003	0.017	mg/Kg	05/10/19 15:04	05/11/19 10:44	SW7471B
7782-49-2	Selenium	0.367	U	1	0.367	1.16	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010
7440-22-4	Silver	0.048	U~~N~~	1	0.048	0.579	mg/Kg	05/10/19 15:18	05/11/19 23:28	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0206-01	SDG No.:	K2764
Lab Sample ID:	K2764-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.26		1	0.204	1.05	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010
7440-39-3	Barium	129		1	0.44	5.27	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.316	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010
7440-47-3	Chromium	6.55		1	0.162	0.527	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010
7439-92-1	Lead	34.4		1	0.055	0.633	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010
7439-97-6	Mercury	0.055		1	0.003	0.016	mg/Kg	05/10/19 15:04	05/11/19 10:46	SW7471B
7782-49-2	Selenium	0.335	U	1	0.335	1.05	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.527	mg/Kg	05/10/19 15:18	05/11/19 23:33	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-0612-01	SDG No.:	K2764
Lab Sample ID:	K2764-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.5		1	0.197	1.02	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010
7440-39-3	Barium	172		1	0.426	5.11	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.307	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010
7440-47-3	Chromium	8.14		1	0.157	0.511	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010
7439-92-1	Lead	19.6		1	0.053	0.613	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010
7439-97-6	Mercury	0.062		1	0.003	0.016	mg/Kg	05/10/19 15:04	05/11/19 10:49	SW7471B
7782-49-2	Selenium	0.324	U	1	0.324	1.02	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.511	mg/Kg	05/10/19 15:18	05/11/19 23:38	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-01	SDG No.:	K2764
Lab Sample ID:	K2764-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.5		1	0.201	1.04	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010
7440-39-3	Barium	172		1	0.433	5.2	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.312	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010
7440-47-3	Chromium	8.46		1	0.16	0.52	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010
7439-92-1	Lead	16.5		1	0.054	0.623	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010
7439-97-6	Mercury	0.048		1	0.003	0.015	mg/Kg	05/10/19 15:04	05/11/19 10:51	SW7471B
7782-49-2	Selenium	0.33	U	1	0.33	1.04	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.52	mg/Kg	05/10/19 15:18	05/11/19 23:42	SW6010

6/7/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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LAB CHRONICLE

OrderID:	K2764	OrderDate:	5/9/2019 9:51:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2764-01	P021-SS008-0206-02	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-02	P021-SS008-0612-01	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-03	P021-SS008-1218-01	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-04	P021-SS008-1824-01	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-05	P021-SS009-0002-01	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-06	P021-SS009-0206-01	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-07	P021-SS009-0612-01	SOIL			05/08/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	

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LAB CHRONICLE

K2764-08	**P021-SS010-0002-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-09	**P021-SS010-0206-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-10	**P021-SS010-0612-0 1**	**SOIL**			**05/08/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/13/19	
K2764-11	**P026-SS001-0002-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-12	**P026-SS001-0206-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-13	**P026-SS001-0612-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-14	**P026-SS001-1218-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-15	**P026-SS001-1824-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-16	**P026-SS002-0002-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	

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LAB CHRONICLE

K2764-17	**P026-SS002-0206-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-18	**P026-SS002-0612-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	
K2764-19	**P026-SS002-1218-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/10/19	05/11/19	

SHIPPING DOCUMENTS

K2764

7

7.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS008-0206-02	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:24	1	8 oz glass	4 C	N
	P021-SS008-0206-02	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:24	1	8 oz glass	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:31	1	8 oz glass	4 C	N
	P021-SS008-0612-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:31	1	8 oz glass	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:36	1	8 oz glass	4 C	N
	P021-SS008-1218-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:36	1	8 oz glass	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	RCRA Metals (Solid)	5/8/2019	09:40	1	8 oz glass	4 C	N
	P021-SS008-1824-01	P021-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:40	1	8 oz glass	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	09:50	1	8 oz glass	4 C	N
	P021-SS009-0002-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:50	1	8 oz glass	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	09:56	1	8 oz glass	4 C	N
	P021-SS009-0206-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	09:56	1	8 oz glass	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	10:04	1	8 oz glass	4 C	N
	P021-SS009-0612-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:04	1	8 oz glass	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	RCRA Metals (Solid)	5/8/2019	10:12	1	8 oz glass	4 C	N
	P021-SS010-0002-01	P021-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:12	1	8 oz glass	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	RCRA Metals (Solid)	5/8/2019	10:20	1	8 oz glass	4 C	N
	P021-SS010-0206-01	P021-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:20	1	8 oz glass	4 C	N
	P021-SS010-0612-01	P021-SS010	Soil	RCRA Metals (Solid)	5/8/2019	10:26	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analysis	[signature] - William CST3	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

K2764

7

7.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P021-SS010-0612-01	P021-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/8/2019	10:26	1	8 oz glass	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:20	1	8 oz glass	4 C	N
	P026-SS001-0002-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:20	1	8 oz glass	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:28	1	8 oz glass	4 C	N
	P026-SS001-0206-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:28	1	8 oz glass	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:35	1	8 oz glass	4 C	N
	P026-SS001-0612-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:35	1	8 oz glass	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:44	1	8 oz glass	4 C	N
	P026-SS001-1218-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:44	1	8 oz glass	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	RCRA Metals (Solid)	5/6/2019	11:55	1	8 oz glass	4 C	N
	P026-SS001-1824-01	P026-SS001	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	11:55	1	8 oz glass	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:05	1	8 oz glass	4 C	N
	P026-SS002-0002-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:05	1	8 oz glass	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:12	1	8 oz glass	4 C	N
	P026-SS002-0206-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:12	1	8 oz glass	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:20	1	8 oz glass	4 C	N
	P026-SS002-0612-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:20	1	8 oz glass	4 C	N
	P026-SS002-1218-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:24	2	8 oz glass	4 C	Y
	P026-SS002-1218-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:24	2	8 oz glass	4 C	Y

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Weston RST3	5/9/2019 900		5-9-19 0935	2.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) GONSE WEGNW		Log-in Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P021-SS008-0206-02	MA No. ~~0180105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.9 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12.Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P021-SS008-020E		K2764-01	Intact
2	P021-SS008-0612		K2764-02	Intact
3	P021-SS008-121E		K2764-03	Intact
4	P021-SS008-1824		K2764-04	Intact
5	P021-SS009-0002		K2764-05	Intact
6	P021-SS009-020E		K2764-06	Intact
7	P021-SS009-0612		K2764-07	Intact
8	P021-SS010-0002		K2764-08	Intact
9	P021-SS010-020E		K2764-09	Intact
10	P021-SS010-0612		K2764-10	Intact
11	P026-SS001-0002		K2764-11	Intact
12	P026-SS001-020E		K2764-12	Intact
13	P026-SS001-0612		K2764-13	Intact
14	P026-SS001-121E		K2764-14	Intact
15	P026-SS001-1824		K2764-15	Intact
16	P026-SS002-0002		K2764-16	Intact
17	P026-SS002-020E		K2764-17	Intact
18	P026-SS002-0612		K2764-18	Intact
19	P026-SS002-121E		K2764-19	Intact
20	K2764-19MS		K2764-20	Intact
21	K2764-19MSD		K2764-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2765

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: **Date:** 06/20/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including two field duplicates for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2765				
P026-SS002-1218-02[1]	J2765-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/062019
P026-SS002-1824-01	J2765-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS003-0002-01	J2765-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS003-0206-01	J2765-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS003-0612-01	J2765-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS003-1218-01	J2765-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS003-1824-01	J2765-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS004-0002-01	J2765-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS004-0206-01	J2765-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS004-0612-01	J2765-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS004-1218-01	J2765-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS004-1824-01	J2765-12	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS005-0002-01	J2765-13	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS005-0206-01	J2765-14	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS005-0612-01	J2765-15	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS005-1218-01	J2765-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS005-1824-01	J2765-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS006-0002-01	J2765-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS006-0002-02[2]	J2765-21	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019

[1] The associated field sample P026-SS002-1218-01 can be found in Chemtech Project # K2764
[2] A field duplicate of P026-SS006-0002-01

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10%R, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

The recovery of terphenyl-d14 fell below the acceptance criteria in the analysis of soil sample P026-SS003-0206-01. Because only one of three base/neutral surrogates fell below the acceptance criteria, no qualifiers were applied.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS006-0002-01 was used for MS/MSD analyses. The percent recoveries (%Rs) of phenanthrene, fluoranthene, pyrene, 3,3'-dichlorobenzidine, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene fell below the acceptance criteria in the MS and/or MSD analyses. The detected or non-detected results for phenanthrene, fluoranthene, pyrene, 3,3'-dichlorobenzidine, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene in soil sample P026-SS006-0002-01 were qualified as estimated (J or UJ).

The relative percent differences (RPDs) exceeded the laboratory control limit of 20% for phenanthrene, pyrene, chrysene, benzo(k)fluoranthene, benzo(a)anthracene, and 4-chloroaniline. Phenanthrene, pyrene, chrysene, and benzo(k)fluoranthene were previously qualified due to non-compliance MS/MSD recoveries. 4-Chloroaniline was not detected in sample P026-SS006-0002-

01, no action was required. Benzo(a)anthracenee was qualified as estimated (J) in sample P026-SS006-0002-01 due to the high RPD.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No contaminants were detected in rinsate blank RB-190506 associated with SDG No. K2769.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.30 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P026-SS003-0002-01, and P026-SS003-0206-01, P026-SS003-0612-01, P026-SS003-1218-01, and P026-SS003-1824-01.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative

response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

The continuing calibration verification (CCV) on Instrument F did not meet the average RRF acceptance criteria for hexachlorocyclopentadiene. All non-detects for hexachlorocyclopentadiene in associated samples P026-SS005-0002-01DL and P026-SS005-0612-01DL were rejected "R".

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>) 20 for 2,4-dinitrophenol, initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/11/2019@ 19:30	CCV	2,4-Dinitrophenol	P026-SS002-1218-02, P026-SS002-1824-01, P026-SS004-0002-01, P026-SS004-0206-01, P026-SS004-0612-01, P026-SS004-1218-01, P026-SS004-1824-01, P026-SS005-0002-01 P026-SS005-0206-01, P026-SS005-0612-01 P026-SS005-1218-01, P026-SS005-1824-01, P026-SS006-0002-01, and P026-SS006-0002-02	J/UJ

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/13/2019@ 00:20	CCV	Hexachlorocyclopentadiene[1] 2,4-Dinitrophenol, 4-Nitrophenol, and 4,6-Dinitro-2-Methylphenol	P026-SS005-0002-01DL and P026-SS005-0612-01DL	J/UJ
5/11/2019@ 12:29	CCV	2-Nitrophenol, 2,4-Dichlorophenol, 4,6-Dinitro-2-Methylphenol, and Indeno(1,2,3-cd)pyrene	P026-SS003-0002-01 P026-SS003-0206-01 P026-SS003-0612-01 P026-SS003-1218-01 P026-SS003-1824-01	J/UJ

[1] Previously rejected due to non-compliant RRF QC criteria.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

Note: Internal standard area counts for P026-SS006-0002-01MS and P026-SS006-0002-01MSD had low recovery for chrysene-d12 internal standard. No qualifier actions were applied to the MS and MSD samples for failing MS internal standards.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

For field samples P026-SS002-1218-01 (reported with SDG#K2764) the field duplicate sample is P026-SS002-1218-02: Dimethylphthalate, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene concentrations were less than or above contract required quantitation limit (CRQL) in sample P026-SS002-1218-01 and in field duplicate P026-SS002-1218-02. Since the RPDs are above 50%, based on professional judgment, dimethylphthalate, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene in both samples were estimated (J).

For field samples P026-SS006-1218-01 the field duplicate is P026-SS006-1218-02: Benzo(k)fluoranthene and 1,1-biphenyl concentrations were less than or above CRQL in sample P026-SS006-1218-01 and in field duplicate P026-SS006-1218-02. Since the RPDs are above 50%, based on professional judgment, benzo(k)fluoranthene and 1,1-biphenyl in both samples were estimated.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported non-target SVOCs as TICs and denoted as non-target (NT) on the Form 1s. The non-target SVOCs are not project target analytes but were present in the sample and quantitated using the SVOC calibration standards in the following samples:

P026-SS005-0002-01: Benzoic Acid
P026-SS005-0206-01: 1-Methylnaphthalene

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

Laboratory control sample (LCS) PB119644BS recovered acceptable recoveries. No qualifiers were required.

As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

The majority of samples in this SDG were analyzed as low-level VOCs or to bring a target analyte into instrument calibration range:

Sample P026-SS005-0002-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene and chrysene exceeding the calibration range in the low-level analysis. Results for these compounds were reported from the dilution analysis.

Sample P026-SS005-0612-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene exceeding the calibration range in the low-level analysis. Pyrene result was reported from the dilution analysis.

Sample P026-SS006-0002-02 was analyzed once as a low-level VOC and at a 4-fold dilution due to fluoranthene, pyrene, benzo(a)anthracene, chrysene, and benzo(b)fluoranthene exceeding the calibration range in the low-level analysis. Results for these compounds were reported from the dilution analysis.

Samples P026-SS004-0002-01 and P026-SS006-0002-01 were diluted 10 times (10x) and 5x respectively due to bad matrix.

Due to dilution analysis, the laboratory qualified the associated analytes results with D qualifiers on the Form Is. The data reviewer removed the "D" qualifier from the Form Is.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

P026-SS005-0002-01DL
P026-SS006-0612-01DL
P026-SS006-0002-02DL

ANALYSIS: RCRA METALS (ICP-MS) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:
Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:
A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:
Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Arsenic result in CCB13 is greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). Since, the associated sample results are greater than CRQL. Therefore, using professional judgment, no qualification was required.

Arsenic and Mercury were detected greater than or equal to MDLs but less than or equal to CRQLs in rinsate blank RB-190506. Since, the associated sample results for arsenic and mercury were greater than CRQL; using professional judgment, no qualification was required.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and

reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recovery of arsenic and silver were below the acceptance criteria in the MS/MSD analysis performed on sample P026-SS006-0002-01. The detected arsenic result and non-detected result for silver were qualified as estimated (J or UJ). The laboratory qualified all arsenic and silver results with "N" due to the low recoveries of arsenic and silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P026-SS002-1218-0102 (reported in SDG# K2764) and P026-SS002-1218-02 were analyzed and results were within applicable control limits. No data qualifiers were required.

For field sample P026-SS006-0002-01 the field duplicate is P026-SS006-0002-02: Technical criteria was met for all analytes except arsenic and lead (>50% RPD). The positive results reported in sample P026-SS006-0002-01 and its field duplicate P026-SS006-0002-02, previously not qualified due to other criteria, were estimated (J) for arsenic and lead.

8. LABORATORY CONTROL SAMPLE:

The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:

The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS:

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-1218-02[1]	P026-SS002-1824-01	P026-SS003-0002-01	P026-SS003-0206-01	P026-SS003-0612-01
Lab Sample ID	K2765-01	K2765-02	K2765-03	K2765-04	K2765-05
Sample weight (g)	30.05	30.07	30.09	30.02	30.08
Moisture (%)	19.6	15.8	30.2	22.9	24
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	120 U	140 U	130 U	130 U
Phenol	77.8 U	74.3 U	89.5 U	81.2 U	82.2 U
bis(2-Chloroethyl)ether	130 U	120 U	150 U	130 U	140 U
2-Chlorophenol	81.8 U	78.1 U	94.1 U	85.4 U	86.5 U
2-Methylphenol	87.2 U	83.2 U	100 U	91 U	92.1 U
2,2-oxybis(1-Chloropropane)	110 U	100 U	130 U	110 U	120 U
Acetophenone	120 U	110 U	130 U	120 U	120 U
3+4-Methylphenols	120 U	120 U	140 U	130 U	130 U
n-Nitroso-di-n-propylamine	170 U	160 U	200 U	180 U	180 U
Hexachloroethane	100 U	99.8 U	120 U	110 U	110 U
Nitrobenzene	53.8 U	51.3 U	61.9 U	56.2 U	56.9 U
Isophorone	45.5 U	43.4 U	52.4 U	47.5 U	48.1 U
2-Nitrophenol	94.8 U	90.4 U	110 UJ	98.9 UJ	100 UJ
2,4-Dimethylphenol	68.5 U	65.4 U	78.8 U	71.5 U	72.4 U
bis(2-Chloroethoxy)methane	63.9 U	60.9 U	73.5 U	66.7 U	67.5 U
2,4-Dichlorophenol	63.7 U	60.8 U	73.2 U	66.5 U	67.3 U
Naphthalene	61.8 U	59 U	71.1 U	64.5 U	65.3 U
4-Chloroaniline	170 U	160 U	200 U	180 U	180 U
Hexachlorobutadiene	75.4 U	72 U	86.8 U	78.7 U	79.7 U
Caprolactam	140 U	130 U	160 U	150 U	150 U
4-Chloro-3-methylphenol	73.5 U	70.1 U	84.5 U	76.7 U	77.6 U
2-Methylnaphthalene	76.4 U	72.9 U	87.8 U	79.7 U	80.7 U
Hexachlorocyclopentadiene	280 U	260 U	320 U	290 U	290 U
2,4,6-Trichlorophenol	75.1 U	71.7 U	86.4 U	78.4 U	79.4 U
2,4,5-Trichlorophenol	73.4 U	70.1 U	84.5 U	76.6 U	77.6 U
1,1-Biphenyl	130 U	120 U	150 U	130 U	140 U
2-Chloronaphthalene	93.6 U	89.3 U	110 U	97.7 U	98.9 U
2-Nitroaniline	86.3 U	82.4 U	99.3 U	90.1 U	91.2 U
Dimethylphthalate	**640 J**	**590**	**640**	**320 J**	**580**
Acenaphthylene	**110 J**	**100 J**	85.6 U	77.7 U	78.7 U
2,6-Dinitrotoluene	87.7 U	83.7 U	100 U	91.6 U	92.7 U
3-Nitroaniline	160 U	150 U	180 U	170 U	170 U
Acenaphthene	84.2 U	80.3 U	96.9 U	87.9 U	89 U
2,4-Dinitrophenol	110 UJ	100 UJ	130 UJ	110 UJ	110 UJ
4-Nitrophenol	80.2 U	76.5 U	92.2 U	83.7 U	84.7 U
Dibenzofuran	110 U	110 U	130 U	120 U	120 U
2,4-Dinitrotoluene	100 U	98.6 U	120 U	110 U	110 U
Diethylphthalate	78.5 U	74.9 U	90.3 U	81.9 U	83 U
4-Chlorophenyl-phenylether	100 U	98.8 U	120 U	110 U	110 U
Fluorene	63.2 U	60.4 U	72.8 U	66 U	66.8 U
4-Nitroaniline	110 U	100 U	130 U	110 U	110 U
4,6-Dinitro-2-methylphenol	86.7 U	82.7 U	99.7 UJ	90.5 UJ	91.6 UJ
n-Nitrosodiphenylamine	96 U	91.6 U	110 U	100 U	100 U
4-Bromophenyl-phenylether	70 U	66.8 U	80.6 U	73.1 U	74 U
Hexachlorobenzene	82.6 U	78.8 U	95 U	86.2 U	87.3 U
Atrazine	98.6 U	94.1 U	110 U	100 U	100 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-1218-02[1]	P026-SS002-1824-01	P026-SS003-0002-01	P026-SS003-0206-01	P026-SS003-0612-01
Lab Sample ID	K2765-01	K2765-02	K2765-03	K2765-04	K2765-05
Sample weight (g)	30.05	30.07	30.09	30.02	30.08
Moisture (%)	19.6	15.8	30.2	22.9	24
Dilution Factor	1	1	1	1	1
Pentachlorophenol	130 U	130 U	150 U	140 U	140 U
Phenanthrene	**660**	**500**	81.5 U	74 U	74.9 U
Anthracene	69.2 U	66 U	79.6 U	72.2 U	73.1 U
Carbazole	110 U	110 U	130 U	120 U	120 U
Di-n-butylphthalate	120 U	120 U	140 U	130 U	130 U
Fluoranthene	**850**	**670**	70.6 U	64.1 U	64.9 U
Pyrene	**1400**	**1300**	87 U	78.9 U	79.9 U
Butylbenzylphthalate	79.2 U	75.6 U	91.1 U	82.7 U	83.7 U
3,3-Dichlorobenzidine	180 U	180 U	210 U	190 U	190 U
Benzo(a)anthracene	**510**	**440**	53.7 U	48.7 U	49.3 U
Chrysene	**600**	**570**	60.8 U	55.1 U	55.8 U
Bis(2-ethylhexyl)phthalate	110 U	110 U	130 U	120 U	120 U
Di-n-octyl phthalate	88.5 U	84.5 U	100 U	92.4 U	93.5 U
Benzo(b)fluoranthene	**540**	**470**	69.5 U	63 U	63.8 U
Benzo(k)fluoranthene	**150 J**	**150 J**	80.4 U	73 U	73.9 U
Benzo(a)pyrene	**380 J**	**350 J**	63.3 U	57.5 U	58.2 U
Indeno(1,2,3-cd)pyrene	**350 J**	**390**	100 UJ	93.7 UJ	94.9 UJ
Dibenzo(a,h)anthracene	**96.4 J**	62 U	74.7 U	67.8 U	68.6 U
Benzo(g,h,i)perylene	**450 J**	**430**	87.3 U	79.2 U	80.2 U
1,2,4,5-Tetrachlorobenzene	97.1 U	92.7 U	110 U	100 U	100 U
1,4-Dioxane	150 U	140 U	170 U	150 U	150 U
2,3,4,6-Tetrachlorophenol	51.7 U	49.3 U	59.5 U	53.9 U	54.6 U

U: Not detected at the indicated concentration.

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01	P026-SS004-0612-01
Lab Sample ID	K2765-06	K2765-07	K2765-08	K2765-09	K2765-10
Sample weight (g)	30.11	30.07	30.05	30.1	30.01
Moisture (%)	23.8	22.8	17.1	10	7.5
Dilution Factor	1	1	10	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	130 U	130 U	1200 U	110 U	110 U
Phenol	81.9 U	81 U	750 U	69.4 U	67.7 U
bis(2-Chloroethyl)ether	140 U	130 U	1200 U	110 U	110 U
2-Chlorophenol	86.2 U	85.2 U	790 U	73 U	71.2 U
2-Methylphenol	91.8 U	90.7 U	850 U	77.8 U	75.9 U
2,2-oxybis(1-Chloropropane)	120 U	110 U	1100 U	98 U	95.7 U
Acetophenone	120 U	120 U	1100 U	100 U	100 U
3+4-Methylphenols	130 U	130 U	1200 U	110 U	110 U
n-Nitroso-di-n-propylamine	180 U	180 U	1600 U	150 U	150 U
Hexachloroethane	110 U	110 U	1000 U	93.3 U	91.1 U
Nitrobenzene	56.6 U	56 U	520 U	48 U	46.8 U
Isophorone	47.9 U	47.4 U	440 U	40.6 U	39.6 U
2-Nitrophenol	99.8 UJ	98.6 UJ	920 U	84.5 U	82.5 U
2,4-Dimethylphenol	72.2 U	71.3 U	660 U	61.1 U	59.6 U
bis(2-Chloroethoxy)methane	67.3 U	66.5 U	620 U	57 U	55.6 U
2,4-Dichlorophenol	67.1 U	66.3 U	620 U	56.8 U	55.4 U
Naphthalene	65.1 U	64.3 U	600 U	55.1 U	53.8 U
4-Chloroaniline	180 U	180 U	1700 U	150 U	150 U
Hexachlorobutadiene	79.4 U	78.5 U	730 U	67.3 U	65.7 U
Caprolactam	150 U	140 U	1400 U	120 U	120 U
4-Chloro-3-methylphenol	77.4 U	76.5 U	710 U	65.5 U	63.9 U
2-Methylnaphthalene	80.4 U	79.5 U	740 U	68.1 U	66.5 U
Hexachlorocyclopentadiene	290 U	290 U	2700 U	250 U	240 U
2,4,6-Trichlorophenol	79.1 U	78.2 U	730 U	67 U	65.4 U
2,4,5-Trichlorophenol	77.3 U	76.4 U	710 U	65.5 U	63.9 U
1,1-Biphenyl	140 U	130 U	1300 U	120 U	110 U
2-Chloronaphthalene	98.5 U	97.4 U	910 U	83.5 U	81.5 U
2-Nitroaniline	90.9 U	89.8 U	840 U	77 U	75.1 U
Dimethylphthalate	**440**	**540**	610 U	**460**	**480**
Acenaphthylene	78.4 U	77.5 U	**3100 J**	**190 J**	64.8 U
2,6-Dinitrotoluene	92.4 U	91.3 U	850 U	78.2 U	76.4 U
3-Nitroaniline	170 U	170 U	1600 U	140 U	140 U
Acenaphthene	88.7 U	87.6 U	820 U	75.1 U	73.3 U
2,4-Dinitrophenol	110 UJ	110 UJ	1100 UJ	97 U	94.7 UJ
4-Nitrophenol	84.4 U	83.4 U	780 U	71.5 U	69.8 U
Dibenzofuran	120 U	120 U	1100 U	99.5 U	97.1 U
2,4-Dinitrotoluene	110 U	110 U	1000 U	92.1 U	89.9 U
Diethylphthalate	82.7 U	81.7 U	760 U	70 U	68.3 U
4-Chlorophenyl-phenylether	110 U	110 U	1000 U	92.4 U	90.2 U
Fluorene	66.6 U	65.8 U	610 U	56.4 U	55 U
4-Nitroaniline	110 U	110 U	1100 U	97 U	94.6 U
4,6-Dinitro-2-methylphenol	91.3 UJ	90.2 UJ	840 U	77.3 U	75.4 U
n-Nitrosodiphenylamine	100 U	100 U	930 U	85.7 U	83.6 U
4-Bromophenyl-phenylether	73.7 U	72.9 U	680 U	62.5 U	60.9 U
Hexachlorobenzene	87 U	85.9 U	800 U	73.6 U	71.9 U
Atrazine	100 U	100 U	960 U	87.9 U	85.8 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01	P026-SS004-0612-01
Lab Sample ID	K2765-06	K2765-07	K2765-08	K2765-09	K2765-10
Sample weight (g)	30.11	30.07	30.05	30.1	30.01
Moisture (%)	23.8	22.8	17.1	10	7.5
Dilution Factor	1	1	10	1	1
Pentachlorophenol	140 U	140 U	1300 U	120 U	120 U
Phenanthrene	74.6 U	73.7 U	**16900**	330 J	**79.2 J**
Anthracene	72.9 U	72 U	**2200 J**	83.7 J	60.2 U
Carbazole	120 U	120 U	1100 U	99.5 U	97.1 U
Di-n-butylphthalate	130 U	130 U	1200 U	110 U	110 U
Fluoranthene	64.7 U	63.9 U	**19600**	**740**	**96.7 J**
Pyrene	79.6 U	78.7 U	**26200**	**1300**	**180 J**
Butylbenzylphthalate	83.4 U	82.5 U	770 U	70.7 U	69 U
3,3-Dichlorobenzidine	190 U	190 U	1800 U	160 U	160 U
Benzo(a)anthracene	49.2 U	48.6 U	**13100**	**620**	40.6 U
Chrysene	55.6 U	55 U	**14200**	**800**	**83.4 J**
Bis(2-ethylhexyl)phthalate	120 U	120 U	1100 U	100 U	99.5 U
Di-n-octyl phthalate	93.2 U	92.1 U	860 U	78.9 U	77 U
Benzo(b)fluoranthene	63.6 U	62.9 U	**11900**	**900**	52.6 U
Benzo(k)fluoranthene	73.6 U	72.8 U	**4100**	**220 J**	60.9 U
Benzo(a)pyrene	58 U	57.3 U	**10000**	**630**	47.9 U
Indeno(1,2,3-cd)pyrene	94.5 UJ	93.4 UJ	**5500**	**740**	78.1 U
Dibenzo(a,h)anthracene	68.4 U	67.6 U	**1700 J**	**190 J**	56.5 U
Benzo(g,h,i)perylene	79.9 U	79 U	**6800**	**860**	**81.6 J**
1,2,4,5-Tetrachlorobenzene	100 U	100 U	940 U	86.6 U	84.5 U
1,4-Dioxane	150 U	150 U	1400 U	130 U	130 U
2,3,4,6-Tetrachlorophenol	54.4 U	53.8 U	500 U	46.1 U	45 U

U: Not detected at the indicated concentration

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01	P026-SS005-0206-01	P026-SS005-0612-01
Lab Sample ID	K2765-11	K2765-12	K2765-13	K2765-14	K2765-15
Sample weight (g)	30	30.08	30.05	30.03	30.09
Moisture (%)	11.4	12.5	20.6	15.2	17.6
Dilution Factor	1	1	1, *2	1	1, *2
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	110 U	120 U	110 U	120 U
Phenol	70.7 U	71.4 U	78.8 U	73.8 U	75.8 U
bis(2-Chloroethyl)ether	120 U	120 U	130 U	120 U	130 U
2-Chlorophenol	74.4 U	75.1 U	82.9 U	77.6 U	79.7 U
2-Methylphenol	79.2 U	80 U	88.3 U	82.7 U	85 U
2,2-oxybis(1-Chloropropane)	99.9 U	100 U	110 U	100 U	110 U
Acetophenone	110 U	110 U	120 U	110 U	110 U
3+4-Methylphenols	110 U	110 U	120 U	120 U	120 U
n-Nitroso-di-n-propylamine	150 U	160 U	170 U	160 U	170 U
Hexachloroethane	95.1 U	96 U	110 U	99.3 U	100 U
Nitrobenzene	48.9 U	49.4 U	54.5 U	51 U	52.4 U
Isophorone	41.4 U	41.8 U	46.1 U	43.2 U	44.3 U
2-Nitrophenol	86.1 U	87 U	96 U	89.9 U	92.3 U
2,4-Dimethylphenol	62.3 U	62.9 U	69.4 U	65 U	66.8 U
bis(2-Chloroethoxy)methane	58.1 U	58.6 U	64.7 U	60.6 U	62.2 U
2,4-Dichlorophenol	57.9 U	58.5 U	64.5 U	60.4 U	62 U
Naphthalene	56.2 U	56.7 U	**480**	**210 J**	**100 J**
4-Chloroaniline	160 U	160 U	170 U	160 U	170 U
Hexachlorobutadiene	68.6 U	69.2 U	76.4 U	71.6 U	73.5 U
Caprolactam	130 U	130 U	140 U	130 U	140 U
4-Chloro-3-methylphenol	66.8 U	67.4 U	74.4 U	69.7 U	71.6 U
2-Methylnaphthalene	69.4 U	70.1 U	**280 J**	**140 J**	74.4 U
Hexachlorocyclopentadiene	250 U	250 U	280 U	260 U	270 U
2,4,6-Trichlorophenol	68.3 U	68.9 U	76 U	71.2 U	73.2 U
2,4,5-Trichlorophenol	66.7 U	67.4 U	74.4 U	69.7 U	71.6 U
1,1-Biphenyl	120 U	120 U	130 U	120 U	130 U
2-Chloronaphthalene	85.1 U	85.9 U	94.8 U	88.8 U	91.2 U
2-Nitroaniline	78.5 U	79.2 U	87.4 U	81.9 U	84.1 U
Dimethylphthalate	**530**	**440**	**470**	**540**	**500**
Acenaphthylene	67.7 U	**81.3 J**	**940**	**580**	**750**
2,6-Dinitrotoluene	79.7 U	80.5 U	88.8 U	83.2 U	85.5 U
3-Nitroaniline	150 U	150 U	160 U	150 U	160 U
Acenaphthene	76.5 U	77.3 U	85.3 U	79.9 U	82 U
2,4-Dinitrophenol	98.9 UJ	99.9 UJ	110 UJ	100 UJ	110 UJ
4-Nitrophenol	72.9 U	73.6 U	81.2 U	76.1 U	78.1 U
Dibenzofuran	100 U	100 U	110 U	110 U	110 U
2,4-Dinitrotoluene	93.9 U	94.8 U	100 U	98 U	100 U
Diethylphthalate	71.3 U	72.1 U	79.5 U	74.5 U	76.5 U
4-Chlorophenyl-phenylether	94.2 U	95.1 U	100 U	98.3 U	100 U
Fluorene	57.5 U	58.1 U	**200 J**	**100 J**	**120 J**
4-Nitroaniline	98.8 U	99.8 U	110 U	100 U	110 U
4,6-Dinitro-2-methylphenol	78.8 U	79.6 U	87.8 U	82.2 U	84.5 U
n-Nitrosodiphenylamine	87.3 U	88.2 U	97.2 U	91.1 U	93.6 U
4-Bromophenyl-phenylether	63.7 U	64.3 U	70.9 U	66.4 U	68.2 U
Hexachlorobenzene	75.1 U	75.8 U	83.6 U	78.3 U	80.5 U
Atrazine	89.6 U	90.5 U	99.8 U	93.5 U	96.1 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01	P026-SS005-0206-01	P026-SS005-0612-01
Lab Sample ID	K2765-11	K2765-12	K2765-13	K2765-14	K2765-15
Sample weight (g)	30	30.08	30.05	30.03	30.09
Moisture (%)	11.4	12.5	20.6	15.2	17.6
Dilution Factor	1	1	1, *2	1	1, *2
Pentachlorophenol	120 U	120 U	130 U	130 U	130 U
Phenanthrene	64.4 U	**210 J**	**3500**	**1900**	**1700**
Anthracene	62.9 U	63.5 U	**690**	**380 J**	**460**
Carbazole	100 U	100 U	110 U	110 U	110 U
Di-n-butylphthalate	110 U	110 U	120 U	120 U	120 U
Fluoranthene	**140 J**	**410**	**4100**	**2500**	**2800**
Pyrene	**240 J**	**620**	***7400**	**3900**	***4700**
Butylbenzylphthalate	72 U	72.7 U	80.2 U	75.2 U	77.2 U
3,3-Dichlorobenzidine	170 U	170 U	190 U	170 U	180 U
Benzo(a)anthracene	**100 J**	**300 J**	**4100**	**2300**	**2800**
Chrysene	**140 J**	**370 J**	***4600**	**2700**	**3400**
Bis(2-ethylhexyl)phthalate	100 U	100 U	120 U	110 U	110 U
Di-n-octyl phthalate	80.5 U	81.3 U	89.6 U	84 U	86.3 U
Benzo(b)fluoranthene	**150 J**	**390**	**3700**	**2600**	**3200**
Benzo(k)fluoranthene	63.6 U	**130 J**	**1400**	**610**	**1100**
Benzo(a)pyrene	**96 J**	**270 J**	**3100**	**1800**	**2500**
Indeno(1,2,3-cd)pyrene	**83.7 J**	**290 J**	**2800**	**1500**	**2100**
Dibenzo(a,h)anthracene	59 U	**85.1 J**	**690**	**400**	**550**
Benzo(g,h,i)perylene	**130 J**	**390**	**2700**	**1600**	**2200**
1,2,4,5-Tetrachlorobenzene	88.3 U	89.1 U	98.3 U	92.1 U	94.6 U
1,4-Dioxane	130 U	130 U	150 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	47 U	47.4 U	52.3 U	49 U	50.4 U

U: Not detected at the indicated concentration

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02[1]
Lab Sample ID	K2765-16	K2765-17	K2765-18	K2765-21
Sample weight (g)	30.06	30.11	30.02	30.14
Moisture (%)	14.6	16.5	24	19.3
Dilution Factor	1	1	5	1, *4
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	110 U	120 U	640 U	120 U
Phenol	73.2 U	74.8 U	410 U	77.3 U
bis(2-Chloroethyl)ether	120 U	120 U	680 U	130 U
2-Chlorophenol	77 U	78.6 U	430 U	81.3 U
2-Methylphenol	82.1 U	83.8 U	460 U	86.6 U
2,2-oxybis(1-Chloropropane)	100 U	110 U	580 U	110 U
Acetophenone	110 U	110 U	610 U	110 U
3+4-Methylphenols	110 U	120 U	650 U	120 U
n-Nitroso-di-n-propylamine	160 U	160 U	900 U	170 U
Hexachloroethane	98.5 U	100 U	550 U	100 U
Nitrobenzene	50.6 U	51.7 U	280 U	53.4 U
Isophorone	42.8 U	43.7 U	240 U	45.2 U
2-Nitrophenol	89.2 U	91.1 U	500 U	94.1 U
2,4-Dimethylphenol	64.5 U	65.9 U	360 U	68.1 U
bis(2-Chloroethoxy)methane	60.1 U	61.4 U	340 U	63.4 U
2,4-Dichlorophenol	59.9 U	61.2 U	340 U	63.2 U
Naphthalene	**87.8 J**	59.4 U	**760 J**	**770**
4-Chloroaniline	160 U	160 U	900 U	170 U
Hexachlorobutadiene	71 U	72.5 U	400 U	74.9 U
Caprolactam	130 U	130 U	740 U	140 U
4-Chloro-3-methylphenol	69.1 U	70.6 U	390 U	73 U
2-Methylnaphthalene	71.9 U	73.4 U	**480 J**	**560**
Hexachlorocyclopentadiene	260 U	260 U	1500 U	270 U
2,4,6-Trichlorophenol	70.7 U	72.2 U	400 U	74.6 U
2,4,5-Trichlorophenol	69.1 U	70.6 U	390 U	72.9 U
1,1-Biphenyl	120 U	120 U	680 UJ	**160 J**
2-Chloronaphthalene	88.1 U	89.9 U	500 U	93 U
2-Nitroaniline	81.2 U	83 U	460 U	85.7 U
Dimethylphthalate	**470**	**490**	**700 J**	**490**
Acenaphthylene	**350 J**	**190 J**	**1600 J**	**1100**
2,6-Dinitrotoluene	82.6 U	84.3 U	460 U	87.1 U
3-Nitroaniline	150 U	150 U	850 U	160 U
Acenaphthene	79.2 U	80.9 U	450 U	83.6 U
2,4-Dinitrophenol	100 UJ	100 UJ	580 UJ	110 UJ
4-Nitrophenol	75.5 U	77 U	420 U	79.6 U
Dibenzofuran	110 U	110 U	590 U	110 U
2,4-Dinitrotoluene	97.2 U	99.3 U	550 U	100 U
Diethylphthalate	73.9 U	75.4 U	420 U	78 U
4-Chlorophenyl-phenylether	97.5 U	99.5 U	550 U	100 U
Fluorene	59.5 U	60.8 U	330 U	**210 J**
4-Nitroaniline	100 U	100 U	580 U	110 U
4,6-Dinitro-2-methylphenol	81.6 U	83.3 U	460 U	86.1 U
n-Nitrosodiphenylamine	90.4 U	92.3 U	510 U	95.4 U
4-Bromophenyl-phenylether	65.9 U	67.3 U	370 U	69.6 U
Hexachlorobenzene	77.7 U	79.4 U	440 U	82 U
Atrazine	92.8 U	94.8 U	520 U	97.9 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02[1]
Lab Sample ID	K2765-16	K2765-17	K2765-18	K2765-21
Sample weight (g)	30.06	30.11	30.02	30.14
Moisture (%)	14.6	16.5	24	19.3
Dilution Factor	1	1	5	1, *4
Pentachlorophenol	130 U	130 U	710 U	130 U
Phenanthrene	**850**	**480**	**5500 J**	**3500**
Anthracene	**190 J**	**97.2 J**	**950 J**	**750**
Carbazole	100 U	110 U	590 U	110 U
Di-n-butylphthalate	120 U	120 U	650 U	120 U
Fluoranthene	**1400**	**920**	**8300 J**	***6300**
Pyrene	**2500**	**1600**	**13000 J**	***9600**
Butylbenzylphthalate	74.6 U	76.1 U	420 U	78.7 U
3,3-Dichlorobenzidine	170 U	180 U	970 UJ	180 U
Benzo(a)anthracene	**1400**	**770**	**6300 J**	***5000**
Chrysene	**1700**	**890**	**7200 J**	***5100**
Bis(2-ethylhexyl)phthalate	110 U	110 U	610 U	110 U
Di-n-octyl phthalate	83.3 U	85.1 U	470 U	87.9 U
Benzo(b)fluoranthene	**1700**	**770**	**7100 J**	***5000**
Benzo(k)fluoranthene	**450**	**290 J**	**1900 J**	**1100 J**
Benzo(a)pyrene	**1300**	**660**	**5300 J**	**3500**
Indeno(1,2,3-cd)pyrene	**1200**	**540**	**3300**	**2900**
Dibenzo(a,h)anthracene	**270 J**	**140 J**	**1000 J**	**740**
Benzo(g,h,i)perylene	**1200**	**600**	**4200**	**3000**
1,2,4,5-Tetrachlorobenzene	91.4 U	93.3 U	510 U	96.5 U
1,4-Dioxane	140 U	140 U	770 U	140 U
2,3,4,6-Tetrachlorophenol	48.6 U	49.7 U	270 U	51.3 U

U: Not detected at the indicated concentration.

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

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Cover Page

Order ID : K2765

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2765-01	P026-SS002-1218-02
K2765-02	P026-SS002-1824-01
K2765-03	P026-SS003-0002-01
K2765-04	P026-SS003-0206-01
K2765-05	P026-SS003-0612-01
K2765-06	P026-SS003-1218-01
K2765-07	P026-SS003-1824-01
K2765-08	P026-SS004-0002-01
K2765-09	P026-SS004-0206-01
K2765-10	P026-SS004-0612-01
K2765-11	P026-SS004-1218-01
K2765-12	P026-SS004-1824-01
K2765-13	P026-SS005-0002-01
K2765-14	P026-SS005-0206-01
K2765-15	P026-SS005-0612-01
K2765-16	P026-SS005-1218-01
K2765-17	P026-SS005-1824-01
K2765-18	P026-SS006-0002-01
K2765-19	K2765-18MS
K2765-20	K2765-18MSD
K2765-21	P026-SS006-0002-02

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 5/17/2019

By Mildred V Reyes, QAQC Supervisor at 12:48 pm, May 17, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2765
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the criteria except for P026-SS003-0206-01 [Terphenyl-d14 - 36%].
The Internal Standards Areas met the requirements except for P026-SS006-0002-01MS, P026-SS006-0002-01MSD.As per method no corrective action required for failing MS/MSD in internal standard.

The Retention Times were acceptable for all samples.

The MS {K2765-19MS} with File ID: BF114233.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[0%], Benzo(a)pyrene[27%], Benzo(b)fluoranthene[14%], Benzo(k)fluoranthene[23%], bis(2-Ethylhexyl)phthalate[145%], Butylbenzylphthalate[123%], Chrysene[9%], Di-n-octyl phthalate[127%], Fluoranthene[-100%], Phenanthrene[0%] and Pyrene[-23%] .

The MSD {K2765-20MSD} with File ID: BF114234.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[0%], Benzo(a)pyrene[27%], Benzo(b)fluoranthene[-14%], bis(2-Ethylhexyl)phthalate[141%], Butylbenzylphthalate[123%], Chrysene[23%], Di-n-octyl phthalate[127%], Fluoranthene[-109%], Phenanthrene[-9%] and Pyrene[-45%] .

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The RPD for {K2765-20MSD} with File ID: BF114234.D met criteria except for 4-Chloroaniline[40%], Benzo(a)anthracene[58%], Benzo(k)fluoranthene[74%], Chrysene[88%], Phenanthrene[200%] and Pyrene[65%] .Due to matrix interference and original sample analyzed with straight dilution, therefore above MS/MSD is failing .

The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine, 2,4-Dinitrophenol these compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for ,2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, these compound are passing on Linear regression.

The Continuous Calibration File ID BF114211.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol and Hexachlorocyclopentadiene. The associated samples have no positive hit for these compounds. therefore no corrective action was taken

The Continuous Calibration File ID BF114221.D met the requirements except for Di-n-octyl phthalate. It is marginally failing higher side and MS/MSD samples are associate with this calibration.

The Continuous Calibration File ID BM020268.D met the requirements except for 2-Nitrophenol, 4,6-Dinitro-2-methylphenol and Indeno(1,2,3-cd)pyrene .The associate samples have undetected results for above compounds. Therefore no corrective action was taken.
The Tuning criteria met requirements.

Samples P026-SS004-0002-01, P026-SS006-0002-01 was diluted due to bad matrix.
Samples P026-SS005-0002-01, P026-SS005-0612-01 and P026-SS006-0002-02 were diluted due to high concentrations.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

Concentration of SOIL Sample:

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Concentration ug/Kg,
(dry weight basis) = (Ax) (Is) (Vt) (DF) (GPC)

(Ais) ($\overline{RRF}$) (Vi) (Wt) (D)

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vi = Volume of extract injected in microliters (uL)
Vt = Volume of concentrated extract in microliters (uL)
Wt = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

D = % dry weight or 100 - %Moisture
100.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes **APPROVED**
By Mildred V Reyes, QAQC Supervisor at 12:48 pm, May 17, 2019

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2765
Test Name: PCB

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_Q.The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
P026-SS002-1218-02 [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 51%],
P026-SS002-1218-02RE [Decachlorobiphenyl(1) - 47%, Decachlorobiphenyl(2) - 48%],
P026-SS003-0002-01 [Decachlorobiphenyl(1) - 55%, Decachlorobiphenyl(2) - 56%],
P026-SS003-0002-01RE [Decachlorobiphenyl(1) - 51%, Decachlorobiphenyl(2) - 50%],
P026-SS003-0206-01 [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 53%],
P026-SS003-0206-01RE [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 51%],
P026-SS003-0612-01 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 48%],
P026-SS003-0612-01RE [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 45%],
P026-SS005-0206-01 [Decachlorobiphenyl(2) - 57%],
P026-SS006-0002-01 [Decachlorobiphenyl(1) - 57%, Decachlorobiphenyl(2) - 49%],
P026-SS006-0002-01DL [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 36%],
P026-SS006-0002-02 [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 39%]
,P026-SS006-0002-02DL [Decachlorobiphenyl(2) - 49%].

Due to the high concentration of AR1260 on the samples the Decachlorobiphenyl is suspected to have matrix interference and the data is released based on the recovery of TCMX. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS {K2765-19MS} with File ID: PQ039667.D recoveries met the requirements for all compounds except for AR1016 [194%], AR1260 [686%].
The MSD {K2765-20MSD} with File ID: PQ039668.D recoveries met the acceptable requirements except for AR1016 [252%], AR1260 [1030%].
The RPD for {K2765-20MSD} with File ID: PQ039668.D met criteria except for AR1016 [26%], AR1260[40%] due to the high concentration of AR1260.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PQ039676.D met the requirements except for Tetrachloro-m-xylene is failing in second column but it is passing in first column..

The Continuous Calibration File ID PQ039705.D met the requirements except for Tetrachloro-m-xylene is failing in first column.

Samples P026-SS006-0002-01, P026-SS006-0002-02 was diluted due to high concentrations.

E.
Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
D = % dry weight or $\frac{100 - \%Moisture}{100}$
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
DF = Dilution Factor

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:48 pm, May 17, 2019

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2765

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/17/2019

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:48 pm, May 17, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2765
Lab Sample ID:	K2765-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114167.D	1	05/10/19 15:00	05/11/19 21:48	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.8	U	77.8	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.8	U	81.8	410	ug/Kg
95-48-7	2-Methylphenol	87.2	U	87.2	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.8	U	53.8	410	ug/Kg
78-59-1	Isophorone	45.5	U	45.5	410	ug/Kg
88-75-5	2-Nitrophenol	94.8	U	94.8	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.5	U	68.5	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.9	U	63.9	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.7	U	63.7	410	ug/Kg
91-20-3	Naphthalene	61.8	U	61.8	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.4	U	75.4	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.5	U	73.5	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.4	U	76.4	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.1	U	75.1	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.4	U	73.4	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.6	U	93.6	410	ug/Kg
88-74-4	2-Nitroaniline	86.3	U	86.3	410	ug/Kg
131-11-3	Dimethylphthalate	640	J	62.7	410	ug/Kg
208-96-8	Acenaphthylene	110	J	74.4	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.7	U	87.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2765
Lab Sample ID:	K2765-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114167.D	1	05/10/19 15:00	05/11/19 21:48	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	84.2	U	84.2	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.2	U	80.2	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.5	U	78.5	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.2	U	63.2	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.7	U	86.7	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96	U	96	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70	U	70	410	ug/Kg
118-74-1	Hexachlorobenzene	82.6	U	82.6	410	ug/Kg
1912-24-9	Atrazine	98.6	U	98.6	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	660		70.8	410	ug/Kg
120-12-7	Anthracene	69.2	U	69.2	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	850		61.4	410	ug/Kg
129-00-0	Pyrene	1400		75.6	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.2	U	79.2	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	510		46.7	410	ug/Kg
218-01-9	Chrysene	600		52.8	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.5	U	88.5	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	540		60.4	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	J	69.9	410	ug/Kg
50-32-8	Benzo(a)pyrene	380	J	55.1	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	350	J J	89.8	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	J	65	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2765
Lab Sample ID:	K2765-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114167.D	1	05/10/19 15:00	05/11/19 21:48	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	450		75.9	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.1	U	97.1	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.7	U	51.7	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		28 - 127	78%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		31 - 132	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	87%	SPK: 150
1718-51-0	Terphenyl-d14	73.7		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	271336	6.85			
1146-65-2	Naphthalene-d8	957791	8.13			
15067-26-2	Acenaphthene-d10	462130	9.88			
1517-22-2	Phenanthrene-d10	948420	11.36			
1719-03-5	Chrysene-d12	664015	14			
1520-96-3	Perylene-d12	727216	15.47			
TENTATIVE IDENTIFIED COMPOUNDS unknown						
000994-05-8	Butane, 2-methoxy-2-methyl-	800	J		2.11	ug/Kg
	unknown6.62	3800	J		6.62	ug/Kg
000613-12-7	Anthracene, 2-methyl-	230	J N		11.86	ug/Kg
000057-10-3	n-Hexadecanoic acid	850	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	290	J N		11.97	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	180	J N		12	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	190	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	210	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	170	J N		12.5	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran)	250	J N		12.67	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J N		13.02	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	460	J N		13.84	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2765
Lab Sample ID:	K2765-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114167.D	1	05/10/19 15:00	05/11/19 21:48	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
080252-14-8	6H-Benz[de]anthracen-6-one	140	J N		14.14	ug/Kg
000629-78-7	Heptadecane	230	J N		14.47	ug/Kg
000111-02-4	Squalene	460	J N		14.86	ug/Kg
000192-97-2	Benzo[e]pyrene	440	J N		15.34	ug/Kg
000630-02-4	Octacosane	220	J N		15.93	ug/Kg
000215-58-7	Benzo[b]triphenylene	160	J		15.99	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114168.D	1	05/10/19 15:00	05/11/19 22:14	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74.3	U	74.3	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78.1	U	78.1	390	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	99.8	U	99.8	390	ug/Kg
98-95-3	Nitrobenzene	51.3	U	51.3	390	ug/Kg
78-59-1	Isophorone	43.4	U	43.4	390	ug/Kg
88-75-5	2-Nitrophenol	90.4	U	90.4	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.4	U	65.4	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.9	U	60.9	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.8	U	60.8	390	ug/Kg
91-20-3	Naphthalene	59	U	59	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	72	U	72	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.1	U	70.1	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.9	U	72.9	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.7	U	71.7	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.1	U	70.1	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89.3	U	89.3	390	ug/Kg
88-74-4	2-Nitroaniline	82.4	U	82.4	390	ug/Kg
131-11-3	Dimethylphthalate	590		59.8	390	ug/Kg
208-96-8	Acenaphthylene	100	J	71	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.7	U	83.7	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114168.D	1	05/10/19 15:00	05/11/19 22:14	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U J	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.5	U	76.5	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.6	U	98.6	390	ug/Kg
84-66-2	Diethylphthalate	74.9	U	74.9	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.8	U	98.8	390	ug/Kg
86-73-7	Fluorene	60.4	U	60.4	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.7	U	82.7	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.6	U	91.6	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.8	U	66.8	390	ug/Kg
118-74-1	Hexachlorobenzene	78.8	U	78.8	390	ug/Kg
1912-24-9	Atrazine	94.1	U	94.1	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	500		67.6	390	ug/Kg
120-12-7	Anthracene	66	U	66	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	670		58.6	390	ug/Kg
129-00-0	Pyrene	1300		72.1	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.6	U	75.6	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	440		44.6	390	ug/Kg
218-01-9	Chrysene	570		50.4	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84.5	U	84.5	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	470		57.6	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	J	66.7	390	ug/Kg
50-32-8	Benzo(a)pyrene	350	J	52.5	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	390		85.7	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62	U	62	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114168.D	1	05/10/19 15:00	05/11/19 22:14	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	430		72.4	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.7	U	92.7	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.3	U	49.3	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	104		28 - 127	70%	SPK: 150
13127-88-3	Phenol-d6	125		34 - 127	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.4		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 - 133	82%	SPK: 150
1718-51-0	Terphenyl-d14	79.5		37 - 115	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	292292	6.85			
1146-65-2	Naphthalene-d8	1098850	8.13			
15067-26-2	Acenaphthene-d10	512982	9.88			
1517-22-2	Phenanthrene-d10	1035780	11.36			
1719-03-5	Chrysene-d12	596800	14			
1520-96-3	Perylene-d12	775507	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	760	J		2.12	ug/Kg
	unknown6.62	3300	J		6.62	ug/Kg
000613-12-7	Anthracene, 2-methyl-	160	J N		11.86	ug/Kg
000610-48-0	Anthracene, 1-methyl-	490	J N		11.89	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	240	J N		11.97	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	170	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	200	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	130	J N		12.5	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran)	150	J N		12.67	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J N		13.02	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	120	J N		13.74	ug/Kg
000297-03-0	Cyclotetracosane	240	J N		13.84	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114168.D	1	05/10/19 15:00	05/11/19 22:14	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~000593-45-3~~	~~Octadecane~~	180	J		14.47	ug/Kg
007683-64-9	Supraene	300	J N		14.85	ug/Kg
000192-97-2	Benzo[e]pyrene	120	J N		15.14	ug/Kg
	unknown16.59	130	J		16.59	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	30.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020273.D	1	05/10/19 15:00	05/11/19 15:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	470	ug/Kg
108-95-2	Phenol	89.5	U	89.5	470	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	470	ug/Kg
95-57-8	2-Chlorophenol	94.1	U	94.1	470	ug/Kg
95-48-7	2-Methylphenol	100	U	100	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	470	ug/Kg
98-86-2	Acetophenone	130	U	130	470	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	200	470	ug/Kg
67-72-1	Hexachloroethane	120	U	120	470	ug/Kg
98-95-3	Nitrobenzene	61.9	U	61.9	470	ug/Kg
78-59-1	Isophorone	52.4	U	52.4	470	ug/Kg
88-75-5	2-Nitrophenol	110	U J	110	470	ug/Kg
105-67-9	2,4-Dimethylphenol	78.8	U	78.8	470	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.5	U	73.5	470	ug/Kg
120-83-2	2,4-Dichlorophenol	73.2	U	73.2	470	ug/Kg
91-20-3	Naphthalene	71.1	U	71.1	470	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	470	ug/Kg
87-68-3	Hexachlorobutadiene	86.8	U	86.8	470	ug/Kg
105-60-2	Caprolactam	160	U	160	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.5	U	84.5	470	ug/Kg
91-57-6	2-Methylnaphthalene	87.8	U	87.8	470	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	320	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.4	U	86.4	470	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84.5	U	84.5	470	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	470	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	470	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	470	ug/Kg
131-11-3	Dimethylphthalate	640		72.1	470	ug/Kg
208-96-8	Acenaphthylene	85.6	U	85.6	470	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	470	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	30.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020273.D	1	05/10/19 15:00	05/11/19 15:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	470	ug/Kg
83-32-9	Acenaphthene	96.9	U	96.9	470	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U J	130	470	ug/Kg
100-02-7	4-Nitrophenol	92.2	U	92.2	470	ug/Kg
132-64-9	Dibenzofuran	130	U	130	470	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	470	ug/Kg
84-66-2	Diethylphthalate	90.3	U	90.3	470	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	470	ug/Kg
86-73-7	Fluorene	72.8	U	72.8	470	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.7	U J	99.7	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	470	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.6	U	80.6	470	ug/Kg
118-74-1	Hexachlorobenzene	95	U	95	470	ug/Kg
1912-24-9	Atrazine	110	U	110	470	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	470	ug/Kg
85-01-8	Phenanthrene	81.5	U	81.5	470	ug/Kg
120-12-7	Anthracene	79.6	U	79.6	470	ug/Kg
86-74-8	Carbazole	130	U	130	470	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	470	ug/Kg
206-44-0	Fluoranthene	70.6	U	70.6	470	ug/Kg
129-00-0	Pyrene	87	U	87	470	ug/Kg
85-68-7	Butylbenzylphthalate	91.1	U	91.1	470	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	470	ug/Kg
56-55-3	Benzo(a)anthracene	53.7	U	53.7	470	ug/Kg
218-01-9	Chrysene	60.8	U	60.8	470	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	470	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	69.5	U	69.5	470	ug/Kg
207-08-9	Benzo(k)fluoranthene	80.4	U	80.4	470	ug/Kg
50-32-8	Benzo(a)pyrene	63.3	U	63.3	470	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U J	100	470	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	74.7	U	74.7	470	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	30.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020273.D	1	05/10/19 15:00	05/11/19 15:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	87.3	U	87.3	470	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	470	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	470	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59.5	U	59.5	470	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	121		28 - 127	81%	SPK: 150
13127-88-3	Phenol-d6	122		34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.7		31 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	88%	SPK: 150
1718-51-0	Terphenyl-d14	56.2		37 - 115	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58286	7.77			
1146-65-2	Naphthalene-d8	195092	10.56			
15067-26-2	Acenaphthene-d10	114074	14.42			
1517-22-2	Phenanthrene-d10	271499	17.16			
1719-03-5	Chrysene-d12	292684	21.35			
1520-96-3	Perylene-d12	357389	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	~~unknown7.30~~	~~4900~~	~~JB~~		~~7.3~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	420	J N		18.04	ug/Kg
006971-40-0	17-Pentatriacontene	200	J N		21.04	ug/Kg
007683-64-9	Squalene	380	J N		22.52	ug/Kg
001560-97-0	Dodecane, 2-methyl-	200	J N		22.91	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020274.D	1	05/10/19 15:00	05/11/19 16:06	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81.2	U	81.2	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	85.4	U	85.4	430	ug/Kg
95-48-7	2-Methylphenol	91	U	91	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.2	U	56.2	430	ug/Kg
78-59-1	Isophorone	47.5	U	47.5	430	ug/Kg
88-75-5	2-Nitrophenol	98.9	U	98.9	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.5	U	71.5	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.7	U	66.7	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.5	U	66.5	430	ug/Kg
91-20-3	Naphthalene	64.5	U	64.5	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	78.7	U	78.7	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.7	U	76.7	430	ug/Kg
91-57-6	2-Methylnaphthalene	79.7	U	79.7	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.4	U	78.4	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.6	U	76.6	430	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	430	ug/Kg
91-58-7	2-Chloronaphthalene	97.7	U	97.7	430	ug/Kg
88-74-4	2-Nitroaniline	90.1	U	90.1	430	ug/Kg
131-11-3	Dimethylphthalate	320	J	65.5	430	ug/Kg
208-96-8	Acenaphthylene	77.7	U	77.7	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.6	U	91.6	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020274.D	1	05/10/19 15:00	05/11/19 16:06	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	87.9	U	87.9	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	UJ	110	430	ug/Kg
100-02-7	4-Nitrophenol	83.7	U	83.7	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	81.9	U	81.9	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66	U	66	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.5	UJ	90.5	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73.1	U	73.1	430	ug/Kg
118-74-1	Hexachlorobenzene	86.2	U	86.2	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74	U	74	430	ug/Kg
120-12-7	Anthracene	72.2	U	72.2	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.1	U	64.1	430	ug/Kg
129-00-0	Pyrene	78.9	U	78.9	430	ug/Kg
85-68-7	Butylbenzylphthalate	82.7	U	82.7	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	48.7	U	48.7	430	ug/Kg
218-01-9	Chrysene	55.1	U	55.1	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	92.4	U	92.4	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63	U	63	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73	U	73	430	ug/Kg
50-32-8	Benzo(a)pyrene	57.5	U	57.5	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.7	UJ	93.7	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.8	U	67.8	430	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020274.D	1	05/10/19 15:00	05/11/19 16:06	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79.2	U	79.2	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.9	U	53.9	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81		28 - 127	54%	SPK: 150
13127-88-3	Phenol-d6	81.7		34 - 127	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.4		31 - 132	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.9		39 - 123	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.6		30 - 133	50%	SPK: 150
1718-51-0	Terphenyl-d14	36	*	37 - 115	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50146	7.77			
1146-65-2	Naphthalene-d8	169229	10.56			
15067-26-2	Acenaphthene-d10	97020	14.42			
1517-22-2	Phenanthrene-d10	220828	17.16			
1719-03-5	Chrysene-d12	252823	21.35			
1520-96-3	Perylene-d12	324592	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	2900	JB		7.3 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J N		18.04	ug/Kg
000295-17-0	Cyclotetradecane	180	J N		21.04	ug/Kg
000111-02-4	2,6,10,14,18,22-Tetracosahexaene,	210	J N		22.52	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020275.D	1	05/10/19 15:00	05/11/19 16:43	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	82.2	U	82.2	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	430	ug/Kg
95-57-8	2-Chlorophenol	86.5	U	86.5	430	ug/Kg
95-48-7	2-Methylphenol	92.1	U	92.1	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.9	U	56.9	430	ug/Kg
78-59-1	Isophorone	48.1	U	48.1	430	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	430	ug/Kg
105-67-9	2,4-Dimethylphenol	72.4	U	72.4	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.5	U	67.5	430	ug/Kg
120-83-2	2,4-Dichlorophenol	67.3	U	67.3	430	ug/Kg
91-20-3	Naphthalene	65.3	U	65.3	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	79.7	U	79.7	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.6	U	77.6	430	ug/Kg
91-57-6	2-Methylnaphthalene	80.7	U	80.7	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.4	U	79.4	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.6	U	77.6	430	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	430	ug/Kg
91-58-7	2-Chloronaphthalene	98.9	U	98.9	430	ug/Kg
88-74-4	2-Nitroaniline	91.2	U	91.2	430	ug/Kg
131-11-3	Dimethylphthalate	580		66.3	430	ug/Kg
208-96-8	Acenaphthylene	78.7	U	78.7	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.7	U	92.7	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020275.D	1	05/10/19 15:00	05/11/19 16:43	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	89	U	89	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	430	ug/Kg
100-02-7	4-Nitrophenol	84.7	U	84.7	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	83	U	83	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66.8	U	66.8	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	91.6	U	91.6	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	74	U	74	430	ug/Kg
118-74-1	Hexachlorobenzene	87.3	U	87.3	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74.9	U	74.9	430	ug/Kg
120-12-7	Anthracene	73.1	U	73.1	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.9	U	64.9	430	ug/Kg
129-00-0	Pyrene	79.9	U	79.9	430	ug/Kg
85-68-7	Butylbenzylphthalate	83.7	U	83.7	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	49.3	U	49.3	430	ug/Kg
218-01-9	Chrysene	55.8	U	55.8	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	93.5	U	93.5	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63.8	U	63.8	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.9	U	73.9	430	ug/Kg
50-32-8	Benzo(a)pyrene	58.2	U	58.2	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.9	U	94.9	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.6	U	68.6	430	ug/Kg

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5

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020275.D	1	05/10/19 15:00	05/11/19 16:43	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	80.2	U	80.2	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.6	U	54.6	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		28 - 127	89%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.8		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 - 133	90%	SPK: 150
1718-51-0	Terphenyl-d14	73.8		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51962	7.76			
1146-65-2	Naphthalene-d8	172732	10.56			
15067-26-2	Acenaphthene-d10	105996	14.41			
1517-22-2	Phenanthrene-d10	246472	17.16			
1719-03-5	Chrysene-d12	262652	21.35			
1520-96-3	Perylene-d12	317760	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4900	JB		7.3 R	ug/Kg
~~001002-84-2~~	~~Pentadecanoic acid~~ unknown	410	J		18.04	ug/Kg
~~000544-63-8~~	~~Tetradecanoic acid~~ unknown	94	J		19.33	ug/Kg
079392-43-1	Trifluoroacetic acid, n-octadecyl	420	J N		21.04	ug/Kg
000629-92-5	Nonadecane	120	J N		22.39	ug/Kg
~~000111-02-4~~	~~2,6,10,14,18,22-Tetracosahexaene,~~ unknown	270	J		22.52	ug/Kg
~~000630-06-8~~	~~Hexatriacontane~~ unknown	130	J		22.91	ug/Kg

6/10/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020275.D	1	05/10/19 15:00	05/11/19 16:43	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020276.D	1	05/10/19 15:00	05/11/19 17:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81.9	U	81.9	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	430	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	430	ug/Kg
95-48-7	2-Methylphenol	91.8	U	91.8	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.6	U	56.6	430	ug/Kg
78-59-1	Isophorone	47.9	U	47.9	430	ug/Kg
88-75-5	2-Nitrophenol	99.8	U	99.8	430	ug/Kg
105-67-9	2,4-Dimethylphenol	72.2	U	72.2	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.3	U	67.3	430	ug/Kg
120-83-2	2,4-Dichlorophenol	67.1	U	67.1	430	ug/Kg
91-20-3	Naphthalene	65.1	U	65.1	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	79.4	U	79.4	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	430	ug/Kg
91-57-6	2-Methylnaphthalene	80.4	U	80.4	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.3	U	77.3	430	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	430	ug/Kg
91-58-7	2-Chloronaphthalene	98.5	U	98.5	430	ug/Kg
88-74-4	2-Nitroaniline	90.9	U	90.9	430	ug/Kg
131-11-3	Dimethylphthalate	440		66	430	ug/Kg
208-96-8	Acenaphthylene	78.4	U	78.4	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020276.D	1	05/10/19 15:00	05/11/19 17:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	88.7	U	88.7	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	430	ug/Kg
100-02-7	4-Nitrophenol	84.4	U	84.4	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	82.7	U	82.7	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66.6	U	66.6	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	91.3	U	91.3	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73.7	U	73.7	430	ug/Kg
118-74-1	Hexachlorobenzene	87	U	87	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74.6	U	74.6	430	ug/Kg
120-12-7	Anthracene	72.9	U	72.9	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.7	U	64.7	430	ug/Kg
129-00-0	Pyrene	79.6	U	79.6	430	ug/Kg
85-68-7	Butylbenzylphthalate	83.4	U	83.4	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	49.2	U	49.2	430	ug/Kg
218-01-9	Chrysene	55.6	U	55.6	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	93.2	U	93.2	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63.6	U	63.6	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.6	U	73.6	430	ug/Kg
50-32-8	Benzo(a)pyrene	58	U	58	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.5	U	94.5	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.4	U	68.4	430	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020276.D	1	05/10/19 15:00	05/11/19 17:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79.9	U	79.9	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.4	U	54.4	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		28 - 127	83%	SPK: 150
13127-88-3	Phenol-d6	123		34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.6		39 - 123	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 - 133	79%	SPK: 150
1718-51-0	Terphenyl-d14	55.3		37 - 115	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47074	7.77			
1146-65-2	Naphthalene-d8	157112	10.56			
15067-26-2	Acenaphthene-d10	95102	14.41			
1517-22-2	Phenanthrene-d10	225153	17.16			
1719-03-5	Chrysene-d12	258522	21.35			
1520-96-3	Perylene-d12	313324	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7:30	4500	JB		7.3 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J N		18.04	ug/Kg
~~074339-53-0~~	~~Trichloroacetic acid, pentadecyl e~~ Unknown	120	J		21.04	ug/Kg
~~062951-96-6~~	~~1,5,9-Undecatriene, 2,6,10-trimeth~~ Unknown	140	J		22.52	ug/Kg
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	120	J N		22.91	ug/Kg
000638-68-6	Triacontane	460	J N		24.15	ug/Kg

6/10/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23.8
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020276.D	1	05/10/19 15:00	05/11/19 17:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020277.D	1	05/10/19 15:00	05/11/19 17:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81	U	81	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	85.2	U	85.2	430	ug/Kg
95-48-7	2-Methylphenol	90.7	U	90.7	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56	U	56	430	ug/Kg
78-59-1	Isophorone	47.4	U	47.4	430	ug/Kg
88-75-5	2-Nitrophenol	98.6	U	98.6	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.3	U	71.3	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.5	U	66.5	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.3	U	66.3	430	ug/Kg
91-20-3	Naphthalene	64.3	U	64.3	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	78.5	U	78.5	430	ug/Kg
105-60-2	Caprolactam	140	U	140	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.5	U	76.5	430	ug/Kg
91-57-6	2-Methylnaphthalene	79.5	U	79.5	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.2	U	78.2	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.4	U	76.4	430	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	430	ug/Kg
91-58-7	2-Chloronaphthalene	97.4	U	97.4	430	ug/Kg
88-74-4	2-Nitroaniline	89.8	U	89.8	430	ug/Kg
131-11-3	Dimethylphthalate	540		65.3	430	ug/Kg
208-96-8	Acenaphthylene	77.5	U	77.5	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.3	U	91.3	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020277.D	1	05/10/19 15:00	05/11/19 17:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	87.6	U	87.6	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	UJ	110	430	ug/Kg
100-02-7	4-Nitrophenol	83.4	U	83.4	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	81.7	U	81.7	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	65.8	U	65.8	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.2	UJ	90.2	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.9	U	72.9	430	ug/Kg
118-74-1	Hexachlorobenzene	85.9	U	85.9	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	73.7	U	73.7	430	ug/Kg
120-12-7	Anthracene	72	U	72	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	63.9	U	63.9	430	ug/Kg
129-00-0	Pyrene	78.7	U	78.7	430	ug/Kg
85-68-7	Butylbenzylphthalate	82.5	U	82.5	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	48.6	U	48.6	430	ug/Kg
218-01-9	Chrysene	55	U	55	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	92.1	U	92.1	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	62.9	U	62.9	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	72.8	U	72.8	430	ug/Kg
50-32-8	Benzo(a)pyrene	57.3	U	57.3	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.4	UJ	93.4	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.6	U	67.6	430	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020277.D	1	05/10/19 15:00	05/11/19 17:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79	U	79	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.8	U	53.8	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	138		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	133		34 - 127	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	86		31 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.1		39 - 123	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		30 - 133	91%	SPK: 150
1718-51-0	Terphenyl-d14	68.3		37 - 115	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49016	7.77			
1146-65-2	Naphthalene-d8	168829	10.56			
15067-26-2	Acenaphthene-d10	101218	14.42			
1517-22-2	Phenanthrene-d10	246784	17.16			
1719-03-5	Chrysene-d12	280986	21.35			
1520-96-3	Perylene-d12	336466	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	4700	JB		7.3 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	320	J N		18.04	ug/Kg
018435-45-5	1-Nonadecene	340	J N		21.04	ug/Kg
007683-64-9	Squalene	240	J N		22.52	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114185.D	10	05/10/19 15:00	05/12/19 05:42	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200	U	1200	4000	ug/Kg
108-95-2	Phenol	750	U	750	4000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200	U	1200	4000	ug/Kg
95-57-8	2-Chlorophenol	790	U	790	4000	ug/Kg
95-48-7	2-Methylphenol	850	U	850	4000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	U	1100	4000	ug/Kg
98-86-2	Acetophenone	1100	U	1100	4000	ug/Kg
65794-96-9	3+4-Methylphenols	1200	U	1200	4000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600	U	1600	4000	ug/Kg
67-72-1	Hexachloroethane	1000	U	1000	4000	ug/Kg
98-95-3	Nitrobenzene	520	U	520	4000	ug/Kg
78-59-1	Isophorone	440	U	440	4000	ug/Kg
88-75-5	2-Nitrophenol	920	U	920	4000	ug/Kg
105-67-9	2,4-Dimethylphenol	660	U	660	4000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	620	U	620	4000	ug/Kg
120-83-2	2,4-Dichlorophenol	620	U	620	4000	ug/Kg
91-20-3	Naphthalene	600	U	600	4000	ug/Kg
106-47-8	4-Chloroaniline	1700	U	1700	4000	ug/Kg
87-68-3	Hexachlorobutadiene	730	U	730	4000	ug/Kg
105-60-2	Caprolactam	1400	U	1400	4000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	710	U	710	4000	ug/Kg
91-57-6	2-Methylnaphthalene	740	U	740	4000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2700	U	2700	4000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	730	U	730	4000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	710	U	710	4000	ug/Kg
92-52-4	1,1-Biphenyl	1300	U	1300	4000	ug/Kg
91-58-7	2-Chloronaphthalene	910	U	910	4000	ug/Kg
88-74-4	2-Nitroaniline	840	U	840	4000	ug/Kg
131-11-3	Dimethylphthalate	610	U	610	4000	ug/Kg
208-96-8	Acenaphthylene	3100	J	720	4000	ug/Kg
606-20-2	2,6-Dinitrotoluene	850	U	850	4000	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114185.D	10	05/10/19 15:00	05/12/19 05:42	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1600	U	1600	4000	ug/Kg
83-32-9	Acenaphthene	820	U	820	4000	ug/Kg
51-28-5	2,4-Dinitrophenol	1100	U	1100	4000	ug/Kg
100-02-7	4-Nitrophenol	780	U	780	4000	ug/Kg
132-64-9	Dibenzofuran	1100	U	1100	4000	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000	U	1000	4000	ug/Kg
84-66-2	Diethylphthalate	760	U	760	4000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000	U	1000	4000	ug/Kg
86-73-7	Fluorene	610	U	610	4000	ug/Kg
100-01-6	4-Nitroaniline	1100	U	1100	4000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	840	U	840	4000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	930	U	930	4000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	680	U	680	4000	ug/Kg
118-74-1	Hexachlorobenzene	800	U	800	4000	ug/Kg
1912-24-9	Atrazine	960	U	960	4000	ug/Kg
87-86-5	Pentachlorophenol	1300	U	1300	4000	ug/Kg
85-01-8	Phenanthrene	16900		690	4000	ug/Kg
120-12-7	Anthracene	2200	J	670	4000	ug/Kg
86-74-8	Carbazole	1100	U	1100	4000	ug/Kg
84-74-2	Di-n-butylphthalate	1200	U	1200	4000	ug/Kg
206-44-0	Fluoranthene	19600		600	4000	ug/Kg
129-00-0	Pyrene	26200		730	4000	ug/Kg
85-68-7	Butylbenzylphthalate	770	U	770	4000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800	U	1800	4000	ug/Kg
56-55-3	Benzo(a)anthracene	13100		450	4000	ug/Kg
218-01-9	Chrysene	14200		510	4000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100	U	1100	4000	ug/Kg
117-84-0	Di-n-octyl phthalate	860	U	860	4000	ug/Kg
205-99-2	Benzo(b)fluoranthene	11900		590	4000	ug/Kg
207-08-9	Benzo(k)fluoranthene	4100		680	4000	ug/Kg
50-32-8	Benzo(a)pyrene	10000		530	4000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5500		870	4000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700	J	630	4000	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114185.D	10	05/10/19 15:00	05/12/19 05:42	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	6800		740	4000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	940	U	940	4000	ug/Kg
123-91-1	1,4-Dioxane	1400	U	1400	4000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	500	U	500	4000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		28 - 127	85%	SPK: 150
13127-88-3	Phenol-d6	147		34 - 127	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.7		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.7		39 - 123	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	76.7		37 - 115	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252618	6.85			
1146-65-2	Naphthalene-d8	946827	8.13			
15067-26-2	Acenaphthene-d10	415006	9.89			
1517-22-2	Phenanthrene-d10	745325	11.37			
1719-03-5	Chrysene-d12	614525	14.01			
1520-96-3	Perylene-d12	659085	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	4000	J		6.62	ug/Kg
000262-89-5	Dibenzo[a,e]cyclooctene	1900	J N		11.66	ug/Kg
000613-12-7	Anthracene, 2-methyl-	5500	J N		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	5600	J N		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	7400	J N		11.98	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	4200	J N		12	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	5200	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	5300	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	5300	J N		12.42	ug/Kg
	unknown12.46	2700	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	3900	J N		12.51	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d- unknown	3500	J		12.67	ug/Kg
002381-21-7	Pyrene, 1-methyl-	1800	J N		13.03	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114185.D	10	05/10/19 15:00	05/12/19 05:42	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
033543-31-6	Fluoranthene, 2-methyl-	1600	J N		13.12	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	1900	J N		13.24	ug/Kg
000227-86-1	Anthra(1,2-b)thiophene	1700	J N		13.76	ug/Kg
002541-69-7	Benz[a]anthracene, 7-methyl-	1800	J N		14.4	ug/Kg
	unknown15.16	2400	J		15.16	ug/Kg
000192-97-2	Benzo[e]pyrene	9200	J N		15.36	ug/Kg

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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114169.D	1	05/10/19 15:00	05/11/19 22:41	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.4	U	69.4	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	370	ug/Kg
95-57-8	2-Chlorophenol	73	U	73	370	ug/Kg
95-48-7	2-Methylphenol	77.8	U	77.8	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98	U	98	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	93.3	U	93.3	370	ug/Kg
98-95-3	Nitrobenzene	48	U	48	370	ug/Kg
78-59-1	Isophorone	40.6	U	40.6	370	ug/Kg
88-75-5	2-Nitrophenol	84.5	U	84.5	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.1	U	61.1	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57	U	57	370	ug/Kg
120-83-2	2,4-Dichlorophenol	56.8	U	56.8	370	ug/Kg
91-20-3	Naphthalene	55.1	U	55.1	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.3	U	67.3	370	ug/Kg
105-60-2	Caprolactam	120	U	120	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.5	U	65.5	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.1	U	68.1	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67	U	67	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.5	U	65.5	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	83.5	U	83.5	370	ug/Kg
88-74-4	2-Nitroaniline	77	U	77	370	ug/Kg
131-11-3	Dimethylphthalate	460		55.9	370	ug/Kg
208-96-8	Acenaphthylene	190	J	66.4	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.2	U	78.2	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114169.D	1	05/10/19 15:00	05/11/19 22:41	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.1	U	75.1	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97	U	97	370	ug/Kg
100-02-7	4-Nitrophenol	71.5	U	71.5	370	ug/Kg
132-64-9	Dibenzofuran	99.5	U	99.5	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.1	U	92.1	370	ug/Kg
84-66-2	Diethylphthalate	70	U	70	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.4	U	92.4	370	ug/Kg
86-73-7	Fluorene	56.4	U	56.4	370	ug/Kg
100-01-6	4-Nitroaniline	97	U	97	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.3	U	77.3	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.5	U	62.5	370	ug/Kg
118-74-1	Hexachlorobenzene	73.6	U	73.6	370	ug/Kg
1912-24-9	Atrazine	87.9	U	87.9	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	330	J	63.2	370	ug/Kg
120-12-7	Anthracene	83.7	J	61.7	370	ug/Kg
86-74-8	Carbazole	99.5	U	99.5	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	740		54.8	370	ug/Kg
129-00-0	Pyrene	1300		67.4	370	ug/Kg
85-68-7	Butylbenzylphthalate	70.7	U	70.7	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	620		41.6	370	ug/Kg
218-01-9	Chrysene	800		47.1	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	78.9	U	78.9	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	900		53.9	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	220	J	62.4	370	ug/Kg
50-32-8	Benzo(a)pyrene	630		49.1	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	740		80.1	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	J	57.9	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114169.D	1	05/10/19 15:00	05/11/19 22:41	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	860		67.7	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.6	U	86.6	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.1	U	46.1	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	109		28 - 127	73%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	83		31 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		30 - 133	84%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		37 - 115	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245035	6.85			
1146-65-2	Naphthalene-d8	914409	8.13			
15067-26-2	Acenaphthene-d10	434523	9.88			
1517-22-2	Phenanthrene-d10	879071	11.37			
1719-03-5	Chrysene-d12	566490	14			
1520-96-3	Perylene-d12	684611	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	3200	J		6.62	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	130	J N		11.87	ug/Kg
000613-12-7	Anthracene, 2-methyl-	450	J N		11.89	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	120	J N		12.19	ug/Kg
000781-43-1	9,10-Dimethylanthracene	260	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	170	J N		12.5	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	150	J N		13.02	ug/Kg
000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	140	J N		13.75	ug/Kg
~~000082-05-3~~	~~7H-Benz[de]anthracen-7-one~~ UNKNOWN	190	J		13.85	ug/Kg
002541-69-7	Benz[a]anthracene, 7-methyl-	160	J N		14.39	ug/Kg
~~000612-78-2~~	~~2,2-Binaphthalene~~ UNKNOWN	170	J		14.47	ug/Kg
000111-02-4	Squalene	290	J N		14.85	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114169.D	1	05/10/19 15:00	05/11/19 22:41	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000192-97-2	Benzo[e]pyrene	130	J N		15.15	ug/Kg
	unknown16.59	170	J		16.59	ug/Kg
~~1000304-72-3~~	~~Pyridine-3-carbonitrile, 2-oxo-4-p~~ (not found in B)	170	J		16.77	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114170.D	1	05/10/19 15:00	05/11/19 23:07	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	67.7	U	67.7	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	71.2	U	71.2	360	ug/Kg
95-48-7	2-Methylphenol	75.9	U	75.9	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.7	U	95.7	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	91.1	U	91.1	360	ug/Kg
98-95-3	Nitrobenzene	46.8	U	46.8	360	ug/Kg
78-59-1	Isophorone	39.6	U	39.6	360	ug/Kg
88-75-5	2-Nitrophenol	82.5	U	82.5	360	ug/Kg
105-67-9	2,4-Dimethylphenol	59.6	U	59.6	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.6	U	55.6	360	ug/Kg
120-83-2	2,4-Dichlorophenol	55.4	U	55.4	360	ug/Kg
91-20-3	Naphthalene	53.8	U	53.8	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	65.7	U	65.7	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	63.9	U	63.9	360	ug/Kg
91-57-6	2-Methylnaphthalene	66.5	U	66.5	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65.4	U	65.4	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.9	U	63.9	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	81.5	U	81.5	360	ug/Kg
88-74-4	2-Nitroaniline	75.1	U	75.1	360	ug/Kg
131-11-3	Dimethylphthalate	480		54.6	360	ug/Kg
208-96-8	Acenaphthylene	64.8	U	64.8	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	76.4	U	76.4	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114170.D	1	05/10/19 15:00	05/11/19 23:07	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	73.3	U	73.3	360	ug/Kg
51-28-5	2,4-Dinitrophenol	94.7	U J	94.7	360	ug/Kg
100-02-7	4-Nitrophenol	69.8	U	69.8	360	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.9	U	89.9	360	ug/Kg
84-66-2	Diethylphthalate	68.3	U	68.3	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.2	U	90.2	360	ug/Kg
86-73-7	Fluorene	55	U	55	360	ug/Kg
100-01-6	4-Nitroaniline	94.6	U	94.6	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.4	U	75.4	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.6	U	83.6	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	60.9	U	60.9	360	ug/Kg
118-74-1	Hexachlorobenzene	71.9	U	71.9	360	ug/Kg
1912-24-9	Atrazine	85.8	U	85.8	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	79.2	J	61.7	360	ug/Kg
120-12-7	Anthracene	60.2	U	60.2	360	ug/Kg
86-74-8	Carbazole	97.1	U	97.1	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	96.7	J	53.5	360	ug/Kg
129-00-0	Pyrene	180	J	65.8	360	ug/Kg
85-68-7	Butylbenzylphthalate	69	U	69	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	40.6	U	40.6	360	ug/Kg
218-01-9	Chrysene	83.4	J	46	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.5	U	99.5	360	ug/Kg
117-84-0	Di-n-octyl phthalate	77	U	77	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.6	U	52.6	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.9	U	60.9	360	ug/Kg
50-32-8	Benzo(a)pyrene	47.9	U	47.9	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.5	U	56.5	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114170.D	1	05/10/19 15:00	05/11/19 23:07	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	81.6	J	66	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	84.5	U	84.5	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		28 - 127	68%	SPK: 150
13127-88-3	Phenol-d6	122		34 - 127	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	83		31 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.6		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 - 133	82%	SPK: 150
1718-51-0	Terphenyl-d14	80.6		37 - 115	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	286230	6.85			
1146-65-2	Naphthalene-d8	1057930	8.13			
15067-26-2	Acenaphthene-d10	504053	9.88			
1517-22-2	Phenanthrene-d10	1022510	11.36			
1719-03-5	Chrysene-d12	692770	14			
1520-96-3	Perylene-d12	713792	15.46			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	670	J		2.12	ug/Kg
	unknown6.62	3100	J		6.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J		11.89	ug/Kg
000057-11-4	Octadecanoic acid	100	J		12.67	ug/Kg
015594-90-8	1-Heneicosanol	510	J		13.84	ug/Kg
~~000593-49-7~~	~~Heptacosane~~ unknown	82.1	J		14.16	ug/Kg
~~055429-84-0~~	~~Tetracosane, 11-decyl-~~ unknown	99.8	J		14.47	ug/Kg
000111-02-4	Squalene	290	J		14.85	ug/Kg
001560-88-9	Octadecane, 2-methyl-	94	J		15.11	ug/Kg
000646-31-1	Tetracosane	86.8	J		15.92	ug/Kg
000506-51-4	n-Tetracosanol-1	74.2	J		15.97	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	7.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114170.D	1	05/10/19 15:00	05/11/19 23:07	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.4
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114164.D	1	05/10/19 15:00	05/11/19 20:29	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	70.7	U	70.7	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.4	U	74.4	370	ug/Kg
95-48-7	2-Methylphenol	79.2	U	79.2	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.9	U	99.9	370	ug/Kg
98-86-2	Acetophenone	110	U	110	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	95.1	U	95.1	370	ug/Kg
98-95-3	Nitrobenzene	48.9	U	48.9	370	ug/Kg
78-59-1	Isophorone	41.4	U	41.4	370	ug/Kg
88-75-5	2-Nitrophenol	86.1	U	86.1	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.3	U	62.3	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.1	U	58.1	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.9	U	57.9	370	ug/Kg
91-20-3	Naphthalene	56.2	U	56.2	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	68.6	U	68.6	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66.8	U	66.8	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.4	U	69.4	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.3	U	68.3	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	66.7	U	66.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85.1	U	85.1	370	ug/Kg
88-74-4	2-Nitroaniline	78.5	U	78.5	370	ug/Kg
131-11-3	Dimethylphthalate	530		57	370	ug/Kg
208-96-8	Acenaphthylene	67.7	U	67.7	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	79.7	U	79.7	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.4
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114164.D	1	05/10/19 15:00	05/11/19 20:29	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	370	ug/Kg
83-32-9	Acenaphthene	76.5	U	76.5	370	ug/Kg
51-28-5	2,4-Dinitrophenol	98.9	U	98.9	370	ug/Kg
100-02-7	4-Nitrophenol	72.9	U	72.9	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.9	U	93.9	370	ug/Kg
84-66-2	Diethylphthalate	71.3	U	71.3	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.2	U	94.2	370	ug/Kg
86-73-7	Fluorene	57.5	U	57.5	370	ug/Kg
100-01-6	4-Nitroaniline	98.8	U	98.8	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.8	U	78.8	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.7	U	63.7	370	ug/Kg
118-74-1	Hexachlorobenzene	75.1	U	75.1	370	ug/Kg
1912-24-9	Atrazine	89.6	U	89.6	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	64.4	U	64.4	370	ug/Kg
120-12-7	Anthracene	62.9	U	62.9	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	140	J	55.8	370	ug/Kg
129-00-0	Pyrene	240	J	68.7	370	ug/Kg
85-68-7	Butylbenzylphthalate	72	U	72	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	42.4	370	ug/Kg
218-01-9	Chrysene	140	J	48	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	80.5	U	80.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	54.9	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.6	U	63.6	370	ug/Kg
50-32-8	Benzo(a)pyrene	96	J	50	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.7	J	81.6	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59	U	59	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.4
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114164.D	1	05/10/19 15:00	05/11/19 20:29	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	130	J	69	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.3	U	88.3	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	47	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	107		28 - 127	72%	SPK: 150
13127-88-3	Phenol-d6	123		34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	82		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.6		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		30 - 133	76%	SPK: 150
1718-51-0	Terphenyl-d14	67.3		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270792	6.85			
1146-65-2	Naphthalene-d8	1023870	8.13			
15067-26-2	Acenaphthene-d10	505027	9.88			
1517-22-2	Phenanthrene-d10	1042150	11.36			
1719-03-5	Chrysene-d12	758170	14			
1520-96-3	Perylene-d12	722005	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	~~Butane, 2-methoxy-2-methyl-~~ UNKNOWN	960	J		2.12	ug/Kg
	unknown6.62	3200	J		6.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	420	J N		11.89	ug/Kg
000057-11-4	Octadecanoic acid	120	J N		12.67	ug/Kg
	unknown13.52	400	J		13.52	ug/Kg
001599-67-3	1-Docosene	460	J N		13.84	ug/Kg
000593-45-3	Octadecane	140	J N		14.48	ug/Kg
001617-70-5	Lup-20(29)-en-3-one	85	J N		14.68	ug/Kg
055045-14-2	Tetradecane, 4-ethyl-	120	J N		14.79	ug/Kg
000111-02-4	Squalene	270	J N		14.86	ug/Kg
000630-01-3	Hexacosane	200	J N		15.12	ug/Kg
000192-97-2	Benzo[e]pyrene	130	J N		15.35	ug/Kg
000629-99-2	Pentacosane	180	J N		15.93	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.4
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114164.D	1	05/10/19 15:00	05/11/19 20:29	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~018992-03-5~~	~~Bromoacetic acid, octadecyl ester~~ Unknown N)	87.7	J		15.99	ug/Kg
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	97.1	J N		16.43	ug/Kg

5 6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114165.D	1	05/10/19 15:00	05/11/19 20:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	71.4	U	71.4	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.1	U	75.1	380	ug/Kg
95-48-7	2-Methylphenol	80	U	80	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96	U	96	380	ug/Kg
98-95-3	Nitrobenzene	49.4	U	49.4	380	ug/Kg
78-59-1	Isophorone	41.8	U	41.8	380	ug/Kg
88-75-5	2-Nitrophenol	87	U	87	380	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.6	U	58.6	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.5	U	58.5	380	ug/Kg
91-20-3	Naphthalene	56.7	U	56.7	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.2	U	69.2	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.4	U	67.4	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.1	U	70.1	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.9	U	68.9	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.4	U	67.4	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	85.9	U	85.9	380	ug/Kg
88-74-4	2-Nitroaniline	79.2	U	79.2	380	ug/Kg
131-11-3	Dimethylphthalate	440		57.6	380	ug/Kg
208-96-8	Acenaphthylene	81.3	J	68.3	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.5	U	80.5	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114165.D	1	05/10/19 15:00	05/11/19 20:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	77.3	U	77.3	380	ug/Kg
51-28-5	2,4-Dinitrophenol	99.9	U	99.9	380	ug/Kg
100-02-7	4-Nitrophenol	73.6	U	73.6	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.8	U	94.8	380	ug/Kg
84-66-2	Diethylphthalate	72.1	U	72.1	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	380	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	380	ug/Kg
100-01-6	4-Nitroaniline	99.8	U	99.8	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.2	U	88.2	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.3	U	64.3	380	ug/Kg
118-74-1	Hexachlorobenzene	75.8	U	75.8	380	ug/Kg
1912-24-9	Atrazine	90.5	U	90.5	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	210	J	65	380	ug/Kg
120-12-7	Anthracene	63.5	U	63.5	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	410		56.4	380	ug/Kg
129-00-0	Pyrene	620		69.4	380	ug/Kg
85-68-7	Butylbenzylphthalate	72.7	U	72.7	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	300	J	42.9	380	ug/Kg
218-01-9	Chrysene	370	J	48.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.3	U	81.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	390		55.4	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	64.2	380	ug/Kg
50-32-8	Benzo(a)pyrene	270	J	50.5	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290	J	82.4	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.1	J	59.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114165.D	1	05/10/19 15:00	05/11/19 20:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	390		69.6	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.1	U	89.1	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.4	U	47.4	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	129		34 - 127	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.4		31 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 - 133	82%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		37 - 115	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	251287	6.85			
1146-65-2	Naphthalene-d8	952926	8.13			
15067-26-2	Acenaphthene-d10	450658	9.88			
1517-22-2	Phenanthrene-d10	916371	11.36			
1719-03-5	Chrysene-d12	712753	14			
1520-96-3	Perylene-d12	741200	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	3400	J		6.62	ug/Kg
000610-48-0	Anthracene, 1-methyl-	86.6	J N		11.87	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J N		11.89	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	89.7	J N		12.5	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran)	150	J N		12.67	ug/Kg
002381-21-7	Pyrene, 1-methyl-	100	J N		13.02	ug/Kg
018435-45-5	1-Nonadecene	420	J N		13.84	ug/Kg
003351-28-8	Chrysene, 1-methyl-	100	J N		14.39	ug/Kg
~~000544-76-3~~	~~Hexadecane~~ unknown	180	J		14.47	ug/Kg
~~035599-77-0~~	~~Tridecane, 1-iodo-~~ unknown	140	J		14.78	ug/Kg
~~125529-10-4~~	~~7,11-Dimethyldodeca-2,6,10-trien-1~~ unknown	110	J		14.86	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J N		15.34	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114165.D	1	05/10/19 15:00	05/11/19 20:55	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
1000376-72-8	2-methyloctacosane	130	J N		15.93	ug/Kg
001599-67-3	1-Docosene	100	J N		15.99	ug/Kg
	unknown16.60	120	J		16.6	ug/Kg
	unknown16.77	130	J		16.77	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114173.D	1	05/10/19 15:00	05/12/19 00:26	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	78.8	U	78.8	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	82.9	U	82.9	410	ug/Kg
95-48-7	2-Methylphenol	88.3	U	88.3	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	110	U	110	410	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	410	ug/Kg
78-59-1	Isophorone	46.1	U	46.1	410	ug/Kg
88-75-5	2-Nitrophenol	96	U	96	410	ug/Kg
105-67-9	2,4-Dimethylphenol	69.4	U	69.4	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.7	U	64.7	410	ug/Kg
120-83-2	2,4-Dichlorophenol	64.5	U	64.5	410	ug/Kg
91-20-3	Naphthalene	480		62.6	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	76.4	U	76.4	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.4	U	74.4	410	ug/Kg
91-57-6	2-Methylnaphthalene	280	J	77.3	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76	U	76	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.4	U	74.4	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	94.8	U	94.8	410	ug/Kg
88-74-4	2-Nitroaniline	87.4	U	87.4	410	ug/Kg
131-11-3	Dimethylphthalate	470		63.5	410	ug/Kg
208-96-8	Acenaphthylene	940		75.4	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.8	U	88.8	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114173.D	1	05/10/19 15:00	05/12/19 00:26	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	85.3	U	85.3	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	81.2	U	81.2	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	79.5	U	79.5	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	200	J	64	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	97.2	U	97.2	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.9	U	70.9	410	ug/Kg
118-74-1	Hexachlorobenzene	83.6	U	83.6	410	ug/Kg
1912-24-9	Atrazine	99.8	U	99.8	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	3500		71.7	410	ug/Kg
120-12-7	Anthracene	690		70.1	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	4100		62.2	410	ug/Kg
129-00-0	Pyrene *7400	6700	E	76.6	410	ug/Kg
85-68-7	Butylbenzylphthalate	80.2	U	80.2	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	410	ug/Kg
56-55-3	Benzo(a)anthracene	4100		47.3	410	ug/Kg
218-01-9	Chrysene *4600	4300	E	53.5	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	410	ug/Kg
117-84-0	Di-n-octyl phthalate	89.6	U	89.6	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	3700		61.1	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		70.8	410	ug/Kg
50-32-8	Benzo(a)pyrene	3100		55.7	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2800		90.9	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	690		65.8	410	ug/Kg

* 2xDIF - values transferred from 2xDIF 6/10/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114173.D	1	05/10/19 15:00	05/12/19 00:26	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2700		76.8	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.3	U	98.3	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.3	U	52.3	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	107		28 - 127	72%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.2		31 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	71		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 - 133	72%	SPK: 150
1718-51-0	Terphenyl-d14	66		37 - 115	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263192	6.85			
1146-65-2	Naphthalene-d8	1104750	8.13			
15067-26-2	Acenaphthene-d10	502620	9.88			
1517-22-2	Phenanthrene-d10	873405	11.37			
1719-03-5	Chrysene-d12	534950	14.02			
1520-96-3	Perylene-d12	722114	15.5			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	1100	J		2.13	ug/Kg
	unknown6.63	3500	J		6.63	ug/Kg
65-85-0	Benzoic acid	340	J		7.85	ug/Kg
000108-46-3	Resorcinol	1300	J N		8.58	ug/Kg
000262-89-5	Dibenzo[a,e]cyclooctene	610	J N		11.66	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1300	J N		11.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1600	J N		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	1900	J N		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1300	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	1300	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1400	J N		12.42	ug/Kg
001576-69-8	Phenanthrene, 2,7-dimethyl- unknown	850	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1100	J N		12.52	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114173.D	1	05/10/19 15:00	05/12/19 00:26	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
1000333-91-9	1-Docosanol, methyl ether	560	J N		15.15	ug/Kg
000192-97-2	Benzo[e]pyrene	2400	J N		15.38	ug/Kg
~~000629-78-7~~	~~Heptadecane~~ unknown	550	J		15.94	ug/Kg
000083-47-6	.gamma.-Sitosterol	490	J N		17.53	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-13DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114215.D	2	05/10/19 15:00	05/13/19 02:06	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	250	UD	250	830	ug/Kg
108-95-2	Phenol	160	UD	160	830	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	UD	260	830	ug/Kg
95-57-8	2-Chlorophenol	170	UD	170	830	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	830	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	UD	220	830	ug/Kg
98-86-2	Acetophenone	230	UD	230	830	ug/Kg
65794-96-9	3+4-Methylphenols	250	UD	250	830	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	340	UD	340	830	ug/Kg
67-72-1	Hexachloroethane	210	UD	210	830	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	830	ug/Kg
78-59-1	Isophorone	92.2	UD	92.2	830	ug/Kg
88-75-5	2-Nitrophenol	190	UD	190	830	ug/Kg
105-67-9	2,4-Dimethylphenol	140	UD	140	830	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	UD	130	830	ug/Kg
120-83-2	2,4-Dichlorophenol	130	UD	130	830	ug/Kg
91-20-3	Naphthalene	460	JD	130	830	ug/Kg
106-47-8	4-Chloroaniline	350	UD	350	830	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	830	ug/Kg
105-60-2	Caprolactam	280	UD	280	830	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	UD	150	830	ug/Kg
91-57-6	2-Methylnaphthalene	260	JD	150	830	ug/Kg
77-47-4	Hexachlorocyclopentadiene	560	UD R	560	830	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	UD	150	830	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	UD	150	830	ug/Kg
92-52-4	1,1-Biphenyl	260	UD	260	830	ug/Kg
91-58-7	2-Chloronaphthalene	190	UD	190	830	ug/Kg
88-74-4	2-Nitroaniline	170	UD	170	830	ug/Kg
131-11-3	Dimethylphthalate	450	JD	130	830	ug/Kg
208-96-8	Acenaphthylene	1100	D	150	830	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	830	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-13DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114215.D	2	05/10/19 15:00	05/13/19 02:06	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	330	UD	330	830	ug/Kg
83-32-9	Acenaphthene	170	UD	170	830	ug/Kg
51-28-5	2,4-Dinitrophenol	220	UD J	220	830	ug/Kg
100-02-7	4-Nitrophenol	160	UD J	160	830	ug/Kg
132-64-9	Dibenzofuran	230	UD	230	830	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	UD	210	830	ug/Kg
84-66-2	Diethylphthalate	160	UD	160	830	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	UD	210	830	ug/Kg
86-73-7	Fluorene	190	JD	130	830	ug/Kg
100-01-6	4-Nitroaniline	220	UD	220	830	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	UD J	180	830	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	UD	190	830	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	UD	140	830	ug/Kg
118-74-1	Hexachlorobenzene	170	UD	170	830	ug/Kg
1912-24-9	Atrazine	200	UD	200	830	ug/Kg
87-86-5	Pentachlorophenol	270	UD	270	830	ug/Kg
85-01-8	Phenanthrene	3900	D	140	830	ug/Kg
120-12-7	Anthracene	700	JD	140	830	ug/Kg
86-74-8	Carbazole	230	UD	230	830	ug/Kg
84-74-2	Di-n-butylphthalate	250	UD	250	830	ug/Kg
206-44-0	Fluoranthene	4800	D	120	830	ug/Kg
129-00-0	Pyrene	7400	D	150	830	ug/Kg
85-68-7	Butylbenzylphthalate	160	UD	160	830	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	UD	370	830	ug/Kg
56-55-3	Benzo(a)anthracene	3800	D	94.5	830	ug/Kg
218-01-9	Chrysene	4600	D	110	830	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	UD	230	830	ug/Kg
117-84-0	Di-n-octyl phthalate	180	UD	180	830	ug/Kg
205-99-2	Benzo(b)fluoranthene	4600	D	120	830	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000	D	140	830	ug/Kg
50-32-8	Benzo(a)pyrene	3100	D	110	830	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100	D	180	830	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	680	JD	130	830	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-13DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	20.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114215.D	2	05/10/19 15:00	05/13/19 02:06	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2700	D	150	830	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	UD	200	830	ug/Kg
123-91-1	1,4-Dioxane	290	UD	290	830	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	UD	100	830	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		28 - 127	77%	SPK: 150
13127-88-3	Phenol-d6	127		34 - 127	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.2		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	77		39 - 123	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133	73%	SPK: 150
1718-51-0	Terphenyl-d14	63.9		37 - 115	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	253129	6.85			
1146-65-2	Naphthalene-d8	973280	8.13			
15067-26-2	Acenaphthene-d10	440913	9.89			
1517-22-2	Phenanthrene-d10	802630	11.37			
1719-03-5	Chrysene-d12	561265	14.02			
1520-96-3	Perylene-d12	594144	15.49			

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114179.D	1	05/10/19 15:00	05/12/19 03:04	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.8	U	73.8	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.6	U	77.6	390	ug/Kg
95-48-7	2-Methylphenol	82.7	U	82.7	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	99.3	U	99.3	390	ug/Kg
98-95-3	Nitrobenzene	51	U	51	390	ug/Kg
78-59-1	Isophorone	43.2	U	43.2	390	ug/Kg
88-75-5	2-Nitrophenol	89.9	U	89.9	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65	U	65	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.6	U	60.6	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.4	U	60.4	390	ug/Kg
91-20-3	Naphthalene	210	J	58.6	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.6	U	71.6	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.7	U	69.7	390	ug/Kg
91-57-6	2-Methylnaphthalene	140	J	72.4	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.2	U	71.2	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.7	U	69.7	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.8	U	88.8	390	ug/Kg
88-74-4	2-Nitroaniline	81.9	U	81.9	390	ug/Kg
131-11-3	Dimethylphthalate	540		59.5	390	ug/Kg
208-96-8	Acenaphthylene	580		70.6	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114179.D	1	05/10/19 15:00	05/12/19 03:04	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.9	U	79.9	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.1	U	76.1	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98	U	98	390	ug/Kg
84-66-2	Diethylphthalate	74.5	U	74.5	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.3	U	98.3	390	ug/Kg
86-73-7	Fluorene	100	J	60	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.2	U	82.2	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.1	U	91.1	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.4	U	66.4	390	ug/Kg
118-74-1	Hexachlorobenzene	78.3	U	78.3	390	ug/Kg
1912-24-9	Atrazine	93.5	U	93.5	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	1900		67.2	390	ug/Kg
120-12-7	Anthracene	380	J	65.7	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	2500		58.3	390	ug/Kg
129-00-0	Pyrene	3900		71.7	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.2	U	75.2	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	2300		44.3	390	ug/Kg
218-01-9	Chrysene	2700		50.1	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84	U	84	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600		57.3	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	610		66.3	390	ug/Kg
50-32-8	Benzo(a)pyrene	1800		52.2	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		85.2	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	400		61.6	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114179.D	1	05/10/19 15:00	05/12/19 03:04	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1600		72	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.1	U	92.1	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49	U	49	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	100		28 - 127	67%	SPK: 150
13127-88-3	Phenol-d6	113		34 - 127	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.9		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.8		39 - 123	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104		30 - 133	70%	SPK: 150
1718-51-0	Terphenyl-d14	60		37 - 115	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	302807	6.85			
1146-65-2	Naphthalene-d8	1109610	8.13			
15067-26-2	Acenaphthene-d10	509031	9.89			
1517-22-2	Phenanthrene-d10	926076	11.37			
1719-03-5	Chrysene-d12	628611	14.02			
1520-96-3	Perylene-d12	787168	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- UNKNOWN	820	J		2.12	ug/Kg
	unknown6.63	3000	J		6.63	ug/Kg
90-12-0	1-Methylnaphthalene	100	J		8.94	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	440	J N		11.66	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	730	J N		11.87	ug/Kg
000613-12-7	Anthracene, 2-methyl-	1100	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1100	J N		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	650	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	690	J N		12.19	ug/Kg
000781-43-1	9,10-Dimethylanthracene	920	J N		12.42	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	470	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	700	J N		12.51	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d UNKNOWN	580	J		12.68	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114179.D	1	05/10/19 15:00	05/12/19 03:04	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000082-05-3	7H-Benz[de]anthracen-7-one	310	J N		14.16	ug/Kg
	unknown15.17	400	J		15.17	ug/Kg
000192-97-2	Benzo[e]pyrene	1800	J N		15.37	ug/Kg
~~1000190-54-9~~	~~10-Bromo-1,2,3,4-tetrahydro-phenan~~ unknown	470	J		16.8	ug/Kg
1000188-72-8	2,2,6-Trimethyl-1-(2-methyl-cyclob unknown	430	J		18.33	ug/Kg
	unknown18.70	390	J		18.7	ug/Kg

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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114180.D	1	05/10/19 15:00	05/12/19 03:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.8	U	75.8	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	79.7	U	79.7	400	ug/Kg
95-48-7	2-Methylphenol	85	U	85	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.4	U	52.4	400	ug/Kg
78-59-1	Isophorone	44.3	U	44.3	400	ug/Kg
88-75-5	2-Nitrophenol	92.3	U	92.3	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.8	U	66.8	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.2	U	62.2	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62	U	62	400	ug/Kg
91-20-3	Naphthalene	100	J	60.2	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	73.5	U	73.5	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.6	U	71.6	400	ug/Kg
91-57-6	2-Methylnaphthalene	74.4	U	74.4	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.2	U	73.2	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	71.6	U	71.6	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91.2	U	91.2	400	ug/Kg
88-74-4	2-Nitroaniline	84.1	U	84.1	400	ug/Kg
131-11-3	Dimethylphthalate	500		61.1	400	ug/Kg
208-96-8	Acenaphthylene	750		72.5	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.5	U	85.5	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114180.D	1	05/10/19 15:00	05/12/19 03:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82	U	82	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.1	U	78.1	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	76.5	U	76.5	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	120	J	61.6	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	84.5	U	84.5	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.6	U	93.6	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.2	U	68.2	400	ug/Kg
118-74-1	Hexachlorobenzene	80.5	U	80.5	400	ug/Kg
1912-24-9	Atrazine	96.1	U	96.1	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	1700		69	400	ug/Kg
120-12-7	Anthracene	460		67.4	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	2800		59.8	400	ug/Kg
129-00-0	Pyrene * 4700	~~4300~~	~~E~~	73.7	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.2	U	77.2	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	2800		45.5	400	ug/Kg
218-01-9	Chrysene	3400		51.5	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.3	U	86.3	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200		58.8	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		68.1	400	ug/Kg
50-32-8	Benzo(a)pyrene	2500		53.6	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		87.5	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	550		63.3	400	ug/Kg

* QC DIF - value transferred based dilution analysis.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114180.D	1	05/10/19 15:00	05/12/19 03:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2200		73.9	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.6	U	94.6	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.4	U	50.4	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		28 - 127	74%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		31 - 132	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		30 - 133	76%	SPK: 150
1718-51-0	Terphenyl-d14	66.7		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	271621	6.85			
1146-65-2	Naphthalene-d8	996821	8.13			
15067-26-2	Acenaphthene-d10	456827	9.89			
1517-22-2	Phenanthrene-d10	818629	11.37			
1719-03-5	Chrysene-d12	544698	14.02			
1520-96-3	Perylene-d12	671507	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane,-2-methoxy-2-methyl- Unknown	770	J		2.12	ug/Kg
	unknown6.63	3400	J		6.63	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	350	J		11.66	ug/Kg
000613-12-7	Anthracene, 2-methyl-	670	J		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	980	J		11.9	ug/Kg
000832-64-4	Phenanthrene, 4-methyl- Unknown	1200	J		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	610	J		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	670	J		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1100	J		12.42	ug/Kg
002789-88-0	di-p-Tolylacetylene Unknown	260	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	730	J		12.51	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran) Unknown	690	J		12.68	ug/Kg
000192-97-2	Benzo[e]pyrene	560	J		15.17	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114180.D	1	05/10/19 15:00	05/12/19 03:30	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000205-82-3	Benzo[j]fluoranthene	2200	J N		15.37	ug/Kg
	unknown15.93	260	J		15.93	ug/Kg
1000151-82-0	Boroxin, ethyldiphenyl- Unknown	250	J		16.05	ug/Kg
~~000193-43-1~~	Indeno[1,2,3-cd]fluoranthene Unknown	560	J		16.8	ug/Kg
000215-58-7	Benzo[b]triphenylene	710	J N		17.19	ug/Kg

611019

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114216.D	2	05/10/19 15:00	05/13/19 02:32	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	240	UD	240	800	ug/Kg
108-95-2	Phenol	150	UD	150	800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	UD	250	800	ug/Kg
95-57-8	2-Chlorophenol	160	UD	160	800	ug/Kg
95-48-7	2-Methylphenol	170	UD	170	800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	UD	210	800	ug/Kg
98-86-2	Acetophenone	230	UD	230	800	ug/Kg
65794-96-9	3+4-Methylphenols	240	UD	240	800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	330	UD	330	800	ug/Kg
67-72-1	Hexachloroethane	200	UD	200	800	ug/Kg
98-95-3	Nitrobenzene	100	UD	100	800	ug/Kg
78-59-1	Isophorone	88.7	UD	88.7	800	ug/Kg
88-75-5	2-Nitrophenol	180	UD	180	800	ug/Kg
105-67-9	2,4-Dimethylphenol	130	UD	130	800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	UD	120	800	ug/Kg
120-83-2	2,4-Dichlorophenol	120	UD	120	800	ug/Kg
91-20-3	Naphthalene	120	UD	120	800	ug/Kg
106-47-8	4-Chloroaniline	330	UD	330	800	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	800	ug/Kg
105-60-2	Caprolactam	270	UD	270	800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	UD	140	800	ug/Kg
91-57-6	2-Methylnaphthalene	150	UD	150	800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	540	UD R	540	800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	UD	150	800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	UD	140	800	ug/Kg
92-52-4	1,1-Biphenyl	250	UD	250	800	ug/Kg
91-58-7	2-Chloronaphthalene	180	UD	180	800	ug/Kg
88-74-4	2-Nitroaniline	170	UD	170	800	ug/Kg
131-11-3	Dimethylphthalate	470	JD	120	800	ug/Kg
208-96-8	Acenaphthylene	810	D	150	800	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	UD	170	800	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114216.D	2	05/10/19 15:00	05/13/19 02:32	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	310	UD	310	800	ug/Kg
83-32-9	Acenaphthene	160	UD	160	800	ug/Kg
51-28-5	2,4-Dinitrophenol	210	UD	210	800	ug/Kg
100-02-7	4-Nitrophenol	160	UD	160	800	ug/Kg
132-64-9	Dibenzofuran	220	UD	220	800	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	UD	200	800	ug/Kg
84-66-2	Diethylphthalate	150	UD	150	800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	UD	200	800	ug/Kg
86-73-7	Fluorene	120	UD	120	800	ug/Kg
100-01-6	4-Nitroaniline	210	UD	210	800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	UD	170	800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	UD	190	800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	UD	140	800	ug/Kg
118-74-1	Hexachlorobenzene	160	UD	160	800	ug/Kg
1912-24-9	Atrazine	190	UD	190	800	ug/Kg
87-86-5	Pentachlorophenol	260	UD	260	800	ug/Kg
85-01-8	Phenanthrene	1800	D	140	800	ug/Kg
120-12-7	Anthracene	450	JD	130	800	ug/Kg
86-74-8	Carbazole	220	UD	220	800	ug/Kg
84-74-2	Di-n-butylphthalate	240	UD	240	800	ug/Kg
206-44-0	Fluoranthene	3100	D	120	800	ug/Kg
129-00-0	Pyrene	4700	D	150	800	ug/Kg
85-68-7	Butylbenzylphthalate	150	UD	150	800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	UD	360	800	ug/Kg
56-55-3	Benzo(a)anthracene	2800	D	91	800	ug/Kg
218-01-9	Chrysene	3400	D	100	800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220	UD	220	800	ug/Kg
117-84-0	Di-n-octyl phthalate	170	UD	170	800	ug/Kg
205-99-2	Benzo(b)fluoranthene	3700	D	120	800	ug/Kg
207-08-9	Benzo(k)fluoranthene	760	JD	140	800	ug/Kg
50-32-8	Benzo(a)pyrene	2500	D	110	800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700	D	170	800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	490	JD	130	800	ug/Kg

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Report of Analysis

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Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01DL	SDG No.:	K2765
Lab Sample ID:	K2765-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114216.D	2	05/10/19 15:00	05/13/19 02:32	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2100	D	150	800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	UD	190	800	ug/Kg
123-91-1	1,4-Dioxane	280	UD	280	800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	UD	100	800	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	116		28 - 127	78%	SPK: 150
13127-88-3	Phenol-d6	129		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.7		31 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		30 - 133	76%	SPK: 150
1718-51-0	Terphenyl-d14	66.9		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	264834	6.85			
1146-65-2	Naphthalene-d8	1001230	8.13			
15067-26-2	Acenaphthene-d10	452546	9.89			
1517-22-2	Phenanthrene-d10	803750	11.37			
1719-03-5	Chrysene-d12	569660	14.02			
1520-96-3	Perylene-d12	597410	15.49			

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114175.D	1	05/10/19 15:00	05/12/19 01:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.2	U	73.2	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77	U	77	390	ug/Kg
95-48-7	2-Methylphenol	82.1	U	82.1	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.5	U	98.5	390	ug/Kg
98-95-3	Nitrobenzene	50.6	U	50.6	390	ug/Kg
78-59-1	Isophorone	42.8	U	42.8	390	ug/Kg
88-75-5	2-Nitrophenol	89.2	U	89.2	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.5	U	64.5	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.1	U	60.1	390	ug/Kg
120-83-2	2,4-Dichlorophenol	59.9	U	59.9	390	ug/Kg
91-20-3	Naphthalene	87.8	J	58.1	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71	U	71	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.1	U	69.1	390	ug/Kg
91-57-6	2-Methylnaphthalene	71.9	U	71.9	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.7	U	70.7	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.1	U	69.1	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.1	U	88.1	390	ug/Kg
88-74-4	2-Nitroaniline	81.2	U	81.2	390	ug/Kg
131-11-3	Dimethylphthalate	470		59	390	ug/Kg
208-96-8	Acenaphthylene	350	J	70.1	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.6	U	82.6	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114175.D	1	05/10/19 15:00	05/12/19 01:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.2	U	79.2	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.5	U	75.5	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.2	U	97.2	390	ug/Kg
84-66-2	Diethylphthalate	73.9	U	73.9	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.5	U	97.5	390	ug/Kg
86-73-7	Fluorene	59.5	U	59.5	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.6	U	81.6	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.9	U	65.9	390	ug/Kg
118-74-1	Hexachlorobenzene	77.7	U	77.7	390	ug/Kg
1912-24-9	Atrazine	92.8	U	92.8	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	850		66.7	390	ug/Kg
120-12-7	Anthracene	190	J	65.1	390	ug/Kg
86-74-8	Carbazole	100	U	100	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	1400		57.8	390	ug/Kg
129-00-0	Pyrene	2500		71.2	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.6	U	74.6	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	1400		43.9	390	ug/Kg
218-01-9	Chrysene	1700		49.7	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.3	U	83.3	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		56.8	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	450		65.8	390	ug/Kg
50-32-8	Benzo(a)pyrene	1300		51.8	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		84.5	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	J	61.1	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114175.D	1	05/10/19 15:00	05/12/19 01:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1200		71.4	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.4	U	91.4	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.6	U	48.6	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	104		28 - 127	70%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.6		31 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.5		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		30 - 133	71%	SPK: 150
1718-51-0	Terphenyl-d14	67.7		37 - 115	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	317663	6.85			
1146-65-2	Naphthalene-d8	1168560	8.13			
15067-26-2	Acenaphthene-d10	547182	9.88			
1517-22-2	Phenanthrene-d10	968960	11.37			
1719-03-5	Chrysene-d12	595077	14.01			
1520-96-3	Perylene-d12	790815	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ Unknown	910	J		2.13	ug/Kg
	unknown6.63	3100	J		6.63	ug/Kg
000108-46-3	Resorcinol	430	J N		8.57	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	320	J N		11.87	ug/Kg
000779-02-2	Anthracene, 9-methyl-	870	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	540	J N		11.98	ug/Kg
000613-12-7	Anthracene, 2-methyl-	290	J N		12	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	320	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	340	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	490	J N		12.42	ug/Kg
~~001576-67-6~~	~~Phenanthrene, 3,6-dimethyl-~~ Unknown	290	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	350	J N		12.51	ug/Kg
~~116196-83-9~~	~~4,4-Bis(tetrahydrothiopyran)~~ Unknown	390	J		12.67	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114175.D	1	05/10/19 15:00	05/12/19 01:19	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001599-67-3	1-Docosene	300	J N		13.84	ug/Kg
080252-14-8	6H-Benz[de]anthracen-6-one	260	J N		14.16	ug/Kg
003351-28-8	Chrysene, 1-methyl-	220	J N		14.4	ug/Kg
	unknown15.16	350	J		15.16	ug/Kg
000192-97-2	Benzo[e]pyrene	1200	J N		15.36	ug/Kg
	unknown16.61	300	J		16.61	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114178.D	1	05/10/19 15:00	05/12/19 02:38	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74.8	U	74.8	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78.6	U	78.6	390	ug/Kg
95-48-7	2-Methylphenol	83.8	U	83.8	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	100	U	100	390	ug/Kg
98-95-3	Nitrobenzene	51.7	U	51.7	390	ug/Kg
78-59-1	Isophorone	43.7	U	43.7	390	ug/Kg
88-75-5	2-Nitrophenol	91.1	U	91.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.9	U	65.9	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.4	U	61.4	390	ug/Kg
120-83-2	2,4-Dichlorophenol	61.2	U	61.2	390	ug/Kg
91-20-3	Naphthalene	59.4	U	59.4	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	72.5	U	72.5	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.6	U	70.6	390	ug/Kg
91-57-6	2-Methylnaphthalene	73.4	U	73.4	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.2	U	72.2	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.6	U	70.6	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89.9	U	89.9	390	ug/Kg
88-74-4	2-Nitroaniline	83	U	83	390	ug/Kg
131-11-3	Dimethylphthalate	490		60.3	390	ug/Kg
208-96-8	Acenaphthylene	190	J	71.5	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.3	U	84.3	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114178.D	1	05/10/19 15:00	05/12/19 02:38	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80.9	U	80.9	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UJ	100	390	ug/Kg
100-02-7	4-Nitrophenol	77	U	77	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.3	U	99.3	390	ug/Kg
84-66-2	Diethylphthalate	75.4	U	75.4	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.5	U	99.5	390	ug/Kg
86-73-7	Fluorene	60.8	U	60.8	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.3	U	83.3	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.3	U	92.3	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.3	U	67.3	390	ug/Kg
118-74-1	Hexachlorobenzene	79.4	U	79.4	390	ug/Kg
1912-24-9	Atrazine	94.8	U	94.8	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	480		68.1	390	ug/Kg
120-12-7	Anthracene	97.2	J	66.5	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	920		59	390	ug/Kg
129-00-0	Pyrene	1600		72.7	390	ug/Kg
85-68-7	Butylbenzylphthalate	76.1	U	76.1	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	770		44.9	390	ug/Kg
218-01-9	Chrysene	890		50.8	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	85.1	U	85.1	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	770		58	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	J	67.2	390	ug/Kg
50-32-8	Benzo(a)pyrene	660		52.9	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	540		86.3	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	62.4	390	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114178.D	1	05/10/19 15:00	05/12/19 02:38	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	600		72.9	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.3	U	93.3	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		28 - 127	74%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	86		31 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		39 - 123	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		30 - 133	79%	SPK: 150
1718-51-0	Terphenyl-d14	67.4		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	293319	6.85			
1146-65-2	Naphthalene-d8	1092130	8.13			
15067-26-2	Acenaphthene-d10	510450	9.89			
1517-22-2	Phenanthrene-d10	1011140	11.37			
1719-03-5	Chrysene-d12	634558	14.01			
1520-96-3	Perylene-d12	773405	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	820	J		2.12	ug/Kg
	unknown6.63	3400	J		6.63	ug/Kg
000108-46-3	Resorcinol	980	J		8.58	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	180	J		11.87	ug/Kg
000057-10-3	n-Hexadecanoic acid	760	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	300	J		11.98	ug/Kg
000613-12-7	Anthracene, 2-methyl-	160	J		12	ug/Kg
000084-65-1	9,10-Anthracenedione	190	J		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	370	J		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	200	J		12.5	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d unknown	320	J		12.67	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	170	J		13.03	ug/Kg
077899-03-7	1-Heneicosyl formate	350	J		13.84	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114178.D	1	05/10/19 15:00	05/12/19 02:38	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000082-05-3	7H-Benz[de]anthracen-7-one	240	J N		14.15	ug/Kg
003351-28-8	Chrysene, 1-methyl-	170	J N		14.4	ug/Kg
000544-76-3	Hexadecane	240	J N		14.47	ug/Kg
000111-02-4	Squalene	190	J N		14.86	ug/Kg
000205-82-3	Benzo[j]fluoranthene unknown	210	J		15.16	ug/Kg
000192-97-2	Benzo[e]pyrene	480	J N		15.36	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114184.D	5	05/10/19 15:00	05/12/19 05:15	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	640	U	640	2200	ug/Kg
108-95-2	Phenol	410	U	410	2200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	680	U	680	2200	ug/Kg
95-57-8	2-Chlorophenol	430	U	430	2200	ug/Kg
95-48-7	2-Methylphenol	460	U	460	2200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	2200	ug/Kg
98-86-2	Acetophenone	610	U	610	2200	ug/Kg
65794-96-9	3+4-Methylphenols	650	U	650	2200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900	U	900	2200	ug/Kg
67-72-1	Hexachloroethane	550	U	550	2200	ug/Kg
98-95-3	Nitrobenzene	280	U	280	2200	ug/Kg
78-59-1	Isophorone	240	U	240	2200	ug/Kg
88-75-5	2-Nitrophenol	500	U	500	2200	ug/Kg
105-67-9	2,4-Dimethylphenol	360	U	360	2200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	340	U	340	2200	ug/Kg
120-83-2	2,4-Dichlorophenol	340	U	340	2200	ug/Kg
91-20-3	Naphthalene	760	J	330	2200	ug/Kg
106-47-8	4-Chloroaniline	900	U	900	2200	ug/Kg
87-68-3	Hexachlorobutadiene	400	U	400	2200	ug/Kg
105-60-2	Caprolactam	740	U	740	2200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	390	2200	ug/Kg
91-57-6	2-Methylnaphthalene	480	J	400	2200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500	U	1500	2200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	U	400	2200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	390	2200	ug/Kg
92-52-4	1,1-Biphenyl	680	UJ	680	2200	ug/Kg
91-58-7	2-Chloronaphthalene	500	U	500	2200	ug/Kg
88-74-4	2-Nitroaniline	460	U	460	2200	ug/Kg
131-11-3	Dimethylphthalate	700	J	330	2200	ug/Kg
208-96-8	Acenaphthylene	1600	J	390	2200	ug/Kg
606-20-2	2,6-Dinitrotoluene	460	U	460	2200	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114184.D	5	05/10/19 15:00	05/12/19 05:15	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	850	U	850	2200	ug/Kg
83-32-9	Acenaphthene	450	U	450	2200	ug/Kg
51-28-5	2,4-Dinitrophenol	580	U	580	2200	ug/Kg
100-02-7	4-Nitrophenol	420	U	420	2200	ug/Kg
132-64-9	Dibenzofuran	590	U	590	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	2200	ug/Kg
84-66-2	Diethylphthalate	420	U	420	2200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	550	U	550	2200	ug/Kg
86-73-7	Fluorene	330	U	330	2200	ug/Kg
100-01-6	4-Nitroaniline	580	U	580	2200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	460	U	460	2200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	510	U	510	2200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	370	U	370	2200	ug/Kg
118-74-1	Hexachlorobenzene	440	U	440	2200	ug/Kg
1912-24-9	Atrazine	520	U	520	2200	ug/Kg
87-86-5	Pentachlorophenol	710	U	710	2200	ug/Kg
85-01-8	Phenanthrene	5500		380	2200	ug/Kg
120-12-7	Anthracene	950	J	370	2200	ug/Kg
86-74-8	Carbazole	590	U	590	2200	ug/Kg
84-74-2	Di-n-butylphthalate	650	U	650	2200	ug/Kg
206-44-0	Fluoranthene	8300		330	2200	ug/Kg
129-00-0	Pyrene	13000		400	2200	ug/Kg
85-68-7	Butylbenzylphthalate	420	U	420	2200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970	U	970	2200	ug/Kg
56-55-3	Benzo(a)anthracene	6300		250	2200	ug/Kg
218-01-9	Chrysene	7200		280	2200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	610	U	610	2200	ug/Kg
117-84-0	Di-n-octyl phthalate	470	U	470	2200	ug/Kg
205-99-2	Benzo(b)fluoranthene	7100		320	2200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900	J	370	2200	ug/Kg
50-32-8	Benzo(a)pyrene	5300		290	2200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3300		480	2200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000	J	340	2200	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114184.D	5	05/10/19 15:00	05/12/19 05:15	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	4200		400	2200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	510	U	510	2200	ug/Kg
123-91-1	1,4-Dioxane	770	U	770	2200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	270	2200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	138		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	157		34 - 127	105%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		31 - 132	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.8		39 - 123	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		30 - 133	87%	SPK: 150
1718-51-0	Terphenyl-d14	74.6		37 - 115	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	273520	6.85			
1146-65-2	Naphthalene-d8	1069440	8.13			
15067-26-2	Acenaphthene-d10	507856	9.89			
1517-22-2	Phenanthrene-d10	994306	11.37			
1719-03-5	Chrysene-d12	709396	14.02			
1520-96-3	Perylene-d12	731418	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	4800	J		6.62	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	920	J N		11.66	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	2100	J N		11.87	ug/Kg
000779-02-2	Anthracene, 9-methyl-	2300	J N		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	3600	J N		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	2200	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	1900	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	2700	J N		12.42	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl- unknown	1400	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	2100	J N		12.51	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran) unknown	1900	J		12.68	ug/Kg
002381-21-7	Pyrene, 1-methyl-	1000	J N		13.03	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	970	J N		13.24	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114184.D	5	05/10/19 15:00	05/12/19 05:15	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000082-05-3	7H-Benz[de]anthracen-7-one	1200	J N		14.16	ug/Kg
001790-96-1	5,8-Dimethoxy-1,4-dihydro-2,3-quin	1000	J		14.88	ug/Kg
089524-72-1	9,10-Dihydro-8-methylbenzo[a]pyren	1000	J		14.95	ug/Kg
000192-97-2	Benzo[e]pyrene	1300	J N		15.16	ug/Kg
	unknown15.36	5300	J		15.36	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2765
Lab Sample ID:	K2765-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114176.D	1	05/10/19 15:00	05/12/19 01:45	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.3	U	77.3	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.3	U	81.3	410	ug/Kg
95-48-7	2-Methylphenol	86.6	U	86.6	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	110	U	110	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.4	U	53.4	410	ug/Kg
78-59-1	Isophorone	45.2	U	45.2	410	ug/Kg
88-75-5	2-Nitrophenol	94.1	U	94.1	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.1	U	68.1	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.4	U	63.4	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.2	U	63.2	410	ug/Kg
91-20-3	Naphthalene	770		61.4	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	74.9	U	74.9	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73	U	73	410	ug/Kg
91-57-6	2-Methylnaphthalene	560		75.9	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.6	U	74.6	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.9	U	72.9	410	ug/Kg
92-52-4	1,1-Biphenyl	160	J	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93	U	93	410	ug/Kg
88-74-4	2-Nitroaniline	85.7	U	85.7	410	ug/Kg
131-11-3	Dimethylphthalate	490		62.3	410	ug/Kg
208-96-8	Acenaphthylene	1100		73.9	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.1	U	87.1	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2765
Lab Sample ID:	K2765-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114176.D	1	05/10/19 15:00	05/12/19 01:45	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.6	U	83.6	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.6	U	79.6	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78	U	78	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	210	J	62.8	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.1	U	86.1	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.4	U	95.4	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.6	U	69.6	410	ug/Kg
118-74-1	Hexachlorobenzene	82	U	82	410	ug/Kg
1912-24-9	Atrazine	97.9	U	97.9	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	3500		70.4	410	ug/Kg
120-12-7	Anthracene	750		68.7	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene * 6300	4100	E	61	410	ug/Kg
129-00-0	Pyrene * 9600	7800	E	75.1	410	ug/Kg
85-68-7	Butylbenzylphthalate	78.7	U	78.7	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene * 5000	4500	E	46.4	410	ug/Kg
218-01-9	Chrysene * 5100	4900	E	52.5	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	87.9	U	87.9	410	ug/Kg
205-99-2	Benzo(b)fluoranthene * 5000	4500	E	60	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100	J	69.5	410	ug/Kg
50-32-8	Benzo(a)pyrene	3500		54.7	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		89.2	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	740		64.5	410	ug/Kg

* 4xDIF - values towards based from the dilution

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2765
Lab Sample ID:	K2765-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114176.D	1	05/10/19 15:00	05/12/19 01:45	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3000		75.4	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.5	U	96.5	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.3	U	51.3	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	107		28 - 127	71%	SPK: 150
13127-88-3	Phenol-d6	114		34 - 127	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.8		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	59		39 - 123	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.5		30 - 133	65%	SPK: 150
1718-51-0	Terphenyl-d14	62.9		37 - 115	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	285907	6.85			
1146-65-2	Naphthalene-d8	1087390	8.13			
15067-26-2	Acenaphthene-d10	550256	9.88			
1517-22-2	Phenanthrene-d10	1054050	11.37			
1719-03-5	Chrysene-d12	579624	14.02			
1520-96-3	Perylene-d12	754197	15.5			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	900	J		2.12	ug/Kg
	unknown6.63	3100	J		6.63	ug/Kg
000108-46-3	Resorcinol	1900	J		8.59	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	650	J		11.66	ug/Kg
016587-52-3	Dibenzothiophene, 3-methyl-	500	J		11.7	ug/Kg
000779-02-2	Anthracene, 9-methyl-	1400	J		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1800	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	2100	J		11.99	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	1200	J		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1200	J		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	1500	J		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1400	J		12.43	ug/Kg
000081-84-5	Naphthalic anhydride	960	J		12.46	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2765
Lab Sample ID:	K2765-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114176.D	1	05/10/19 15:00	05/12/19 01:45	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
005737-13-3	Cyclopenta(def)phenanthrenone	1400	J N		12.52	ug/Kg
000886-66-8	~~Benzene, 1,1-(1,3-butadiyne-1,4-d~~ unknown	1100	J		12.69	ug/Kg
000192-97-2	Benzo[e]pyrene	910	J N		15.18	ug/Kg
000205-82-3	Benzo[j]fluoranthene	3300	J N		15.38	ug/Kg
	unknown15.93	510	J		15.93	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	890	J N		16.8	ug/Kg

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02DL	SDG No.:	K2765
Lab Sample ID:	K2765-21DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114261.D	4	05/10/19 15:00	05/14/19 18:52	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	480	UD	480	1600	ug/Kg
108-95-2	Phenol	310	UD	310	1600	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	510	UD	510	1600	ug/Kg
95-57-8	2-Chlorophenol	330	UD	330	1600	ug/Kg
95-48-7	2-Methylphenol	350	UD	350	1600	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	440	UD	440	1600	ug/Kg
98-86-2	Acetophenone	460	UD	460	1600	ug/Kg
65794-96-9	3+4-Methylphenols	480	UD	480	1600	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	680	UD	680	1600	ug/Kg
67-72-1	Hexachloroethane	420	UD	420	1600	ug/Kg
98-95-3	Nitrobenzene	210	UD	210	1600	ug/Kg
78-59-1	Isophorone	180	UD	180	1600	ug/Kg
88-75-5	2-Nitrophenol	380	UD	380	1600	ug/Kg
105-67-9	2,4-Dimethylphenol	270	UD	270	1600	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	UD	250	1600	ug/Kg
120-83-2	2,4-Dichlorophenol	250	UD	250	1600	ug/Kg
91-20-3	Naphthalene	770	JD	250	1600	ug/Kg
106-47-8	4-Chloroaniline	680	UD	680	1600	ug/Kg
87-68-3	Hexachlorobutadiene	300	UD	300	1600	ug/Kg
105-60-2	Caprolactam	550	UD	550	1600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	290	UD	290	1600	ug/Kg
91-57-6	2-Methylnaphthalene	490	JD	300	1600	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100	UD	1100	1600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	300	UD	300	1600	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	UD	290	1600	ug/Kg
92-52-4	1,1-Biphenyl	510	UD	510	1600	ug/Kg
91-58-7	2-Chloronaphthalene	370	UD	370	1600	ug/Kg
88-74-4	2-Nitroaniline	340	UD	340	1600	ug/Kg
131-11-3	Dimethylphthalate	480	JD	250	1600	ug/Kg
208-96-8	Acenaphthylene	1300	JD	300	1600	ug/Kg
606-20-2	2,6-Dinitrotoluene	350	UD	350	1600	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02DL	SDG No.:	K2765
Lab Sample ID:	K2765-21DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114261.D	4	05/10/19 15:00	05/14/19 18:52	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	640	UD	640	1600	ug/Kg
83-32-9	Acenaphthene	330	UD	330	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	430	UD	430	1600	ug/Kg
100-02-7	4-Nitrophenol	320	UD	320	1600	ug/Kg
132-64-9	Dibenzofuran	440	UD	440	1600	ug/Kg
121-14-2	2,4-Dinitrotoluene	410	UD	410	1600	ug/Kg
84-66-2	Diethylphthalate	310	UD	310	1600	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	410	UD	410	1600	ug/Kg
86-73-7	Fluorene	250	UD	250	1600	ug/Kg
100-01-6	4-Nitroaniline	430	UD	430	1600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	UD	340	1600	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	UD	380	1600	ug/Kg
101-55-3	4-Bromophenyl-phenylether	280	UD	280	1600	ug/Kg
118-74-1	Hexachlorobenzene	330	UD	330	1600	ug/Kg
1912-24-9	Atrazine	390	UD	390	1600	ug/Kg
87-86-5	Pentachlorophenol	530	UD	530	1600	ug/Kg
85-01-8	Phenanthrene	4700	D	280	1600	ug/Kg
120-12-7	Anthracene	740	JD	270	1600	ug/Kg
86-74-8	Carbazole	440	UD	440	1600	ug/Kg
84-74-2	Di-n-butylphthalate	490	UD	490	1600	ug/Kg
206-44-0	Fluoranthene	6300	D	240	1600	ug/Kg
129-00-0	Pyrene	9600	D	300	1600	ug/Kg
85-68-7	Butylbenzylphthalate	310	UD	310	1600	ug/Kg
91-94-1	3,3-Dichlorobenzidine	730	UD	730	1600	ug/Kg
56-55-3	Benzo(a)anthracene	5000	D	190	1600	ug/Kg
218-01-9	Chrysene	5100	D	210	1600	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	450	UD	450	1600	ug/Kg
117-84-0	Di-n-octyl phthalate	350	UD	350	1600	ug/Kg
205-99-2	Benzo(b)fluoranthene	5000	D	240	1600	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400	JD	280	1600	ug/Kg
50-32-8	Benzo(a)pyrene	3900	D	220	1600	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600	D	360	1600	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	750	JD	260	1600	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02DL	SDG No.:	K2765
Lab Sample ID:	K2765-21DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.3
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114261.D	4	05/10/19 15:00	05/14/19 18:52	PB119644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3200	D	300	1600	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	390	UD	390	1600	ug/Kg
123-91-1	1,4-Dioxane	580	UD	580	1600	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	UD	210	1600	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		28 - 127	75%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.2		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.2		39 - 123	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.8		30 - 133	66%	SPK: 150
1718-51-0	Terphenyl-d14	59		37 - 115	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226109	6.86			
1146-65-2	Naphthalene-d8	905826	8.13			
15067-26-2	Acenaphthene-d10	423316	9.89			
1517-22-2	Phenanthrene-d10	846986	11.38			
1719-03-5	Chrysene-d12	623347	14.03			
1520-96-3	Perylene-d12	688803	15.51			

6/10/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2765	**OrderDate:**	5/9/2019 9:52:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2765-01	P026-SS002-1218-02	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-02	P026-SS002-1824-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-03	P026-SS003-0002-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-04	P026-SS003-0206-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-05	P026-SS003-0612-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-06	P026-SS003-1218-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-07	P026-SS003-1824-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-08	P026-SS004-0002-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-09	P026-SS004-0206-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	

LAB CHRONICLE

K2765-10	P026-SS004-0612-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-11	P026-SS004-1218-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-12	P026-SS004-1824-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2765-13	P026-SS005-0002-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-13DL	P026-SS005-0002-01DL	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/13/19	
K2765-14	P026-SS005-0206-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-15	P026-SS005-0612-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-15DL	P026-SS005-0612-01DL	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/13/19	
K2765-16	P026-SS005-1218-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-17	P026-SS005-1824-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-18	P026-SS006-0002-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-21	P026-SS006-0002-02	SOIL			05/06/19			05/09/19

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LAB CHRONICLE

			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2765-21DL	**P026-SS006-0002-02DL**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/10/19	05/14/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 6, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS002-1218-02[1]	P026-SS002-1824-01	P026-SS003-0002-01	P026-SS003-0206-01	P026-SS003-0612-01
Lab Sample ID	K2765-01	K2765-02	K2765-03	K2765-04	K2765-05
Sample Weight (g)	2.43	2.37	2.35	2.41	2.42
(Hg weight, g)	0.56	0.57	0.58	0.57	0.58
% Solid	80.4	84.2	69.8	77.1	76
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**3.15**	**3.64**	**23.4**	**2.71**	**2.95**
Barium	**170**	**160**	**231**	**204**	**219**
Cadmium	0.025 U	0.024 U	0.029 U	0.026 U	0.026 U
Chromium	**10.6**	**14.3**	**8.2**	**9.33**	**9.77**
Lead	**25.3**	**18.7**	**2120**	**26.5**	**21.1**
Mercury	**0.055**	**0.032**	**0.05**	**0.057**	**0.039**
Selenium	0.325 U	0.318 U	0.387 U	0.342 U	0.345 U
Silver	0.042 U	0.041 U	0.05 U	0.044 U	0.045 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS003-1218-01	P026-SS003-1824-01	P026-SS004-0002-01	P026-SS004-0206-01	P026-SS004-0612-01
Lab Sample ID	K2765-06	K2765-07	K2765-08	K2765-09	K2765-10
Sample Weight (g)	2.38	2.42	2.41	2.4	2.41
(Hg weight, g)	0.56	0.56	0.57	0.54	0.55
% Solid	76.2	77.2	82.9	90	92.5
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**2.98**	**3.34**	**6.84**	**5.1**	**4.06**
Barium	**239**	**137**	**62.3**	**117**	**138**
Cadmium	0.026 U	0.026 U	0.024 U	**0.039 J**	**0.234 J**
Chromium	**10.1**	**11**	**5.61**	**10.5**	**10.5**
Lead	**20**	**15.7**	**39.6**	**30.4**	**17**
Mercury	**0.02**	**0.018**	**0.053**	**0.023**	**0.017**
Selenium	0.35 U	0.34 U	0.318 U	0.294 U	0.285 U
Silver	0.046 U	0.044 U	0.041 U	0.038 U	0.037 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[1]Associated field sample P026-SS002-1218-01 (reported in SDG# K2764)

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 6, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS004-1218-01	P026-SS004-1824-01	P026-SS005-0002-01	P026-SS005-0206-01	P026-SS005-0612-01
Lab Sample ID	K2765-11	K2765-12	K2765-13	K2765-14	K2765-15
Sample Weight (g)	2.36	2.41	2.37	2.41	2.38
(Hg weight, g)	0.53	0.54	0.58	0.56	0.56
% Solid	88.6	87.5	79.4	84.8	82.4
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**2.35**	**3.21**	**5.93**	**6.41**	**5.83**
Barium	**148**	**132**	**122**	**90.4**	**115**
Cadmium	**0.33**	**0.161 J**	0.026 U	0.023 U	**0.1 J**
Chromium	**6.99**	**11.5**	**9**	**8.01**	**8.94**
Lead	**17.8**	**13.6**	**40.2**	**30**	**34.3**
Mercury	**0.026**	**0.041**	**0.034**	**0.042**	**0.039**
Selenium	0.304 U	0.301 U	0.337 U	0.311 U	0.324 U
Silver	0.039 U	0.039 U	0.044 U	0.04 U	0.042 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS005-1218-01	P026-SS005-1824-01	P026-SS006-0002-01	P026-SS006-0002-02[2]
Lab Sample ID	K2765-16	K2765-17	K2765-18	K2765-21
Sample Weight (g)	2.4	2.44	2.39	2.35
(Hg weight, g)	0.55	0.58	0.58	0.57
% Solid	85.4	83.5	76	80.7
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**4.77**	**4.71**	**10.7 J**	**4.98 J**
Barium	**118**	**138**	**145**	**134**
Cadmium	**0.126 J**	**0.153 J**	0.026 U	0.025 U
Chromium	**9.85**	**17.6**	**6.48**	**7.61**
Lead	**22.7**	**23.2**	**3960 J**	**136 J**
Mercury	**0.035**	**0.048**	**0.039**	**0.039**
Selenium	0.31 U	0.312 U	0.349 U	0.335 U
Silver	0.04 U	0.041 U	**0.045 UJ**	0.044 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[2] A field duplicate of P026-SS006-0002-01

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2765
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P026-SS006-0002-01MS) analysis met criteria for all samples except for Arsenic, Silver.
The Matrix Spike Duplicate (P026-SS006-0002-01MSD) analysis met criteria for all samples except for Arsenic, Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Calculation:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,
C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

F. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:48 pm, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1218-02	SDG No.:	K2765
Lab Sample ID:	K2765-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.15	N	1	0.198	1.02	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010
7440-39-3	Barium	170		1	0.427	5.12	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.307	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010
7440-47-3	Chromium	10.6		1	0.157	0.512	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010
7439-92-1	Lead	25.3		1	0.053	0.614	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010
7439-97-6	Mercury	0.055		1	0.003	0.016	mg/Kg	05/10/19 15:40	05/11/19 11:05	SW7471B
7782-49-2	Selenium	0.325	U	1	0.325	1.02	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.512	mg/Kg	05/11/19 09:21	05/12/19 00:18	SW6010

3 6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS002-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.64	N	1	0.194	1	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010
7440-39-3	Barium	160		1	0.418	5.01	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.301	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010
7440-47-3	Chromium	14.3		1	0.154	0.501	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010
7439-92-1	Lead	18.7		1	0.052	0.601	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010
7439-97-6	Mercury	0.032		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:11	SW7471B
7782-49-2	Selenium	0.318	U	1	0.318	1	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.501	mg/Kg	05/11/19 09:21	05/12/19 00:23	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	69.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	23.4	N	1	0.236	1.22	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010
7440-39-3	Barium	231		1	0.508	6.1	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010
7440-43-9	Cadmium	0.029	U	1	0.029	0.366	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010
7440-47-3	Chromium	8.2		1	0.187	0.61	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010
7439-92-1	Lead	2120		1	0.063	0.732	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010
7439-97-6	Mercury	0.05		1	0.003	0.017	mg/Kg	05/10/19 15:40	05/11/19 11:14	SW7471B
7782-49-2	Selenium	0.387	U	1	0.387	1.22	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010
7440-22-4	Silver	0.05	UN	1	0.05	0.61	mg/Kg	05/11/19 09:21	05/12/19 00:27	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.71	N	1	0.208	1.08	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010
7440-39-3	Barium	204		1	0.449	5.38	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.323	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010
7440-47-3	Chromium	9.33		1	0.165	0.538	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010
7439-92-1	Lead	26.5		1	0.056	0.646	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010
7439-97-6	Mercury	0.057		1	0.003	0.016	mg/Kg	05/10/19 15:40	05/11/19 11:16	SW7471B
7782-49-2	Selenium	0.342	U	1	0.342	1.08	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.538	mg/Kg	05/11/19 09:21	05/12/19 00:32	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	76

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.95	N	1	0.21	1.09	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010
7440-39-3	Barium	219		1	0.453	5.44	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.326	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010
7440-47-3	Chromium	9.77		1	0.167	0.544	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010
7439-92-1	Lead	21.1		1	0.056	0.652	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010
7439-97-6	Mercury	0.039		1	0.003	0.016	mg/Kg	05/10/19 15:40	05/11/19 11:18	SW7471B
7782-49-2	Selenium	0.345	U	1	0.345	1.09	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010
7440-22-4	Silver	0.045	UN	1	0.045	0.544	mg/Kg	05/11/19 09:21	05/12/19 00:36	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.98	N	1	0.213	1.1	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010
7440-39-3	Barium	239		1	0.46	5.51	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.331	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010
7440-47-3	Chromium	10.1		1	0.169	0.551	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010
7439-92-1	Lead	20		1	0.057	0.662	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010
7439-97-6	Mercury	0.02		1	0.003	0.016	mg/Kg	05/10/19 15:40	05/11/19 11:21	SW7471B
7782-49-2	Selenium	0.35	U	1	0.35	1.1	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010
7440-22-4	Silver	0.046	UN	1	0.046	0.551	mg/Kg	05/11/19 09:21	05/12/19 00:41	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS003-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.34	N	1	0.207	1.07	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010
7440-39-3	Barium	137		1	0.446	5.35	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.321	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010
7440-47-3	Chromium	11		1	0.165	0.535	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010
7439-92-1	Lead	15.7		1	0.055	0.642	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010
7439-97-6	Mercury	0.018		1	0.003	0.016	mg/Kg	05/10/19 15:40	05/11/19 11:23	SW7471B
7782-49-2	Selenium	0.34	U	1	0.34	1.07	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.535	mg/Kg	05/11/19 09:21	05/12/19 00:46	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.84	N	1	0.193	1	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010
7440-39-3	Barium	62.3		1	0.417	5.01	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.3	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010
7440-47-3	Chromium	5.61		1	0.154	0.501	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010
7439-92-1	Lead	39.6		1	0.052	0.601	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010
7439-97-6	Mercury	0.053		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:25	SW7471B
7782-49-2	Selenium	0.318	U	1	0.318	1	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.501	mg/Kg	05/11/19 09:21	05/12/19 00:50	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.1	N	1	0.179	0.926	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010
7440-39-3	Barium	117		1	0.386	4.63	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010
7440-43-9	Cadmium	0.039	J	1	0.022	0.278	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010
7440-47-3	Chromium	10.5		1	0.142	0.463	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010
7439-92-1	Lead	30.4		1	0.048	0.556	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010
7439-97-6	Mercury	0.023		1	0.003	0.014	mg/Kg	05/10/19 15:40	05/11/19 11:27	SW7471B
7782-49-2	Selenium	0.294	U	1	0.294	0.926	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.463	mg/Kg	05/11/19 09:21	05/12/19 00:55	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.06	N	1	0.173	0.897	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010
7440-39-3	Barium	138		1	0.374	4.49	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010
7440-43-9	Cadmium	0.234	J	1	0.022	0.269	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010
7440-47-3	Chromium	10.5		1	0.138	0.449	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010
7439-92-1	Lead	17		1	0.046	0.538	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010
7439-97-6	Mercury	0.017		1	0.003	0.014	mg/Kg	05/10/19 15:40	05/11/19 11:30	SW7471B
7782-49-2	Selenium	0.285	U	1	0.285	0.897	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010
7440-22-4	Silver	0.037	UN	1	0.037	0.449	mg/Kg	05/11/19 09:21	05/12/19 01:08	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.6

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.35	N	1	0.185	0.956	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010
7440-39-3	Barium	148		1	0.399	4.78	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010
7440-43-9	Cadmium	0.33		1	0.023	0.287	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010
7440-47-3	Chromium	6.99		1	0.147	0.478	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010
7439-92-1	Lead	17.8		1	0.049	0.574	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010
7439-97-6	Mercury	0.026		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:32	SW7471B
7782-49-2	Selenium	0.304	U	1	0.304	0.956	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010
7440-22-4	Silver	0.039	U N	1	0.039	0.478	mg/Kg	05/11/19 09:21	05/12/19 01:13	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS004-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.21	N	1	0.183	0.948	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010
7440-39-3	Barium	132		1	0.395	4.74	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010
7440-43-9	Cadmium	0.161	J	1	0.023	0.285	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010
7440-47-3	Chromium	11.5		1	0.146	0.474	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010
7439-92-1	Lead	13.6		1	0.049	0.569	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010
7439-97-6	Mercury	0.041		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:39	SW7471B
7782-49-2	Selenium	0.301	U	1	0.301	0.948	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.474	mg/Kg	05/11/19 09:21	05/12/19 01:17	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.93	N	1	0.205	1.06	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010
7440-39-3	Barium	122		1	0.443	5.31	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.319	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010
7440-47-3	Chromium	9		1	0.163	0.531	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010
7439-92-1	Lead	40.2		1	0.055	0.638	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010
7439-97-6	Mercury	0.034		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:41	SW7471B
7782-49-2	Selenium	0.337	U	1	0.337	1.06	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.531	mg/Kg	05/11/19 09:21	05/12/19 01:22	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0206-01	SDG No.:	K2765
Lab Sample ID:	K2765-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.41	N	1	0.189	0.979	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010
7440-39-3	Barium	90.4		1	0.408	4.89	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.294	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010
7440-47-3	Chromium	8.01		1	0.15	0.489	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010
7439-92-1	Lead	30		1	0.051	0.587	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010
7439-97-6	Mercury	0.042		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:43	SW7471B
7782-49-2	Selenium	0.311	U	1	0.311	0.979	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.489	mg/Kg	05/11/19 09:21	05/12/19 01:26	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-0612-01	SDG No.:	K2765
Lab Sample ID:	K2765-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.83	N	1	0.197	1.02	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010
7440-39-3	Barium	115		1	0.425	5.1	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010
7440-43-9	Cadmium	0.1	J	1	0.024	0.306	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010
7440-47-3	Chromium	8.94		1	0.157	0.51	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010
7439-92-1	Lead	34.3		1	0.053	0.612	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010
7439-97-6	Mercury	0.039		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:46	SW7471B
7782-49-2	Selenium	0.324	U	1	0.324	1.02	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.51	mg/Kg	05/11/19 09:21	05/12/19 01:31	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1218-01	SDG No.:	K2765
Lab Sample ID:	K2765-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.77	N	1	0.189	0.976	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010
7440-39-3	Barium	118		1	0.407	4.88	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010
7440-43-9	Cadmium	0.126	J	1	0.023	0.293	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010
7440-47-3	Chromium	9.85		1	0.15	0.488	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010
7439-92-1	Lead	22.7		1	0.05	0.585	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010
7439-97-6	Mercury	0.035		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 11:48	SW7471B
7782-49-2	Selenium	0.31	U	1	0.31	0.976	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.488	mg/Kg	05/11/19 09:21	05/12/19 01:36	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS005-1824-01	SDG No.:	K2765
Lab Sample ID:	K2765-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.71	N	1	0.19	0.982	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010
7440-39-3	Barium	138		1	0.409	4.91	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010
7440-43-9	Cadmium	0.153	J	1	0.024	0.294	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010
7440-47-3	Chromium	17.6		1	0.151	0.491	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010
7439-92-1	Lead	23.2		1	0.051	0.589	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010
7439-97-6	Mercury	0.048		1	0.003	0.014	mg/Kg	05/10/19 15:40	05/11/19 11:50	SW7471B
7782-49-2	Selenium	0.312	U	1	0.312	0.982	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.491	mg/Kg	05/11/19 09:21	05/12/19 01:40	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-01	SDG No.:	K2765
Lab Sample ID:	K2765-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	76

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	10.7	~~N~~ J	1	0.213	1.1	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010
7440-39-3	Barium	145		1	0.459	5.51	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010
7440-47-3	Chromium	6.48		1	0.169	0.551	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010
7439-92-1	Lead	3960	J	1	0.057	0.661	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010
7439-97-6	Mercury	0.039		1	0.003	0.016	mg/Kg	05/10/19 15:40	05/11/19 11:52	SW7471B
7782-49-2	Selenium	0.349	U	1	0.349	1.1	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010
7440-22-4	Silver	0.045	~~UN~~ J	1	0.045	0.551	mg/Kg	05/11/19 09:21	05/12/19 01:45	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0002-02	SDG No.:	K2765
Lab Sample ID:	K2765-21	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.98	~~N~~ J	1	0.204	1.05	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010
7440-39-3	Barium	134		1	0.44	5.27	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.316	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010
7440-47-3	Chromium	7.61		1	0.162	0.527	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010
7439-92-1	Lead	136	J	1	0.055	0.633	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010
7439-97-6	Mercury	0.039		1	0.003	0.015	mg/Kg	05/10/19 15:40	05/11/19 12:06	SW7471B
7782-49-2	Selenium	0.335	U	1	0.335	1.05	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010
7440-22-4	Silver	0.044	~~UN~~	1	0.044	0.527	mg/Kg	05/11/19 09:21	05/12/19 02:20	SW6010

6/10/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2765	OrderDate:	5/9/2019 9:52:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2765-01	P026-SS002-1218-02	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-02	P026-SS002-1824-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-03	P026-SS003-0002-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-04	P026-SS003-0206-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-05	P026-SS003-0612-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-06	P026-SS003-1218-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-07	P026-SS003-1824-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

K2765-08	P026-SS004-0002-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-09	P026-SS004-0206-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-10	P026-SS004-0612-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-11	P026-SS004-1218-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-12	P026-SS004-1824-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-13	P026-SS005-0002-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-14	P026-SS005-0206-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-15	P026-SS005-0612-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-16	P026-SS005-1218-0 1	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	

CHEMTECH
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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

K2765-17	**P026-SS005-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-18	**P026-SS006-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2765-21	**P026-SS006-0002-02**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	

SHIPPING DOCUMENTS

K2765

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS002-1218-02	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:24	1	8 oz glass	4 C	N
	P026-SS002-1218-02	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:24	1	8 oz glass	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	RCRA Metals (Solid)	5/6/2019	12:30	1	8 oz glass	4 C	N
	P026-SS002-1824-01	P026-SS002	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:30	1	8 oz glass	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	12:39	1	8 oz glass	4 C	N
	P026-SS003-0002-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:39	1	8 oz glass	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	12:44	1	8 oz glass	4 C	N
	P026-SS003-0206-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:44	1	8 oz glass	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	12:51	1	8 oz glass	4 C	N
	P026-SS003-0612-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	12:51	1	8 oz glass	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	13:01	1	8 oz glass	4 C	N
	P026-SS003-1218-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:01	1	8 oz glass	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	RCRA Metals (Solid)	5/6/2019	13:06	1	8 oz glass	4 C	N
	P026-SS003-1824-01	P026-SS003	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:06	1	8 oz glass	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:20	1	8 oz glass	4 C	N
	P026-SS004-0002-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:20	1	8 oz glass	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:25	1	8 oz glass	4 C	N
	P026-SS004-0206-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:25	1	8 oz glass	4 C	N
	P026-SS004-0612-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:32	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample/ All Analysis	Wilson RSI	5/9/2019 900		09035 5-9-19	2-3°C

K2765

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS004-0812-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:32	1	8 oz glass	4 C	N
	P026-SS004-1218-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:41	1	8 oz glass	4 C	N
	P026-SS004-1218-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:41	1	8 oz glass	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	RCRA Metals (Solid)	5/6/2019	13:48	1	8 oz glass	4 C	N
	P026-SS004-1824-01	P026-SS004	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:48	1	8 oz glass	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	13:53	1	8 oz glass	4 C	N
	P026-SS005-0002-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	13:53	1	8 oz glass	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:01	1	8 oz glass	4 C	N
	P026-SS005-0206-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:01	1	8 oz glass	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:08	1	8 oz glass	4 C	N
	P026-SS005-0612-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:08	1	8 oz glass	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:15	1	8 oz glass	4 C	N
	P026-SS005-1218-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:15	1	8 oz glass	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:22	1	8 oz glass	4 C	N
	P026-SS005-1824-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:22	1	8 oz glass	4 C	N
	P026-SS006-0002-01	P026-SS005	Soil	RCRA Metals (Solid)	5/6/2019	14:34	2	8 oz glass	4 C	Y
	P026-SS006-0002-01	P026-SS005	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:34	2	8 oz glass	4 C	Y
	P026-SS006-0002-02	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:34	1	8 oz glass	4 C	N
	P026-SS006-0002-02	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:34	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] -Wilson TSTS	5/9/2019 900	[signature]	5-9-19 0935	2.3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) GORGE VESNOV		Log-In Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS002-1218-02	MA No. ~~0100105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.5 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12.Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS002-1218		K2765-01	Intact
2	P026-SS002-1824		K2765-02	Intact
3	P026-SS003-0002		K2765-03	Intact
4	P026-SS003-0206		K2765-04	Intact
5	P026-SS003-0612		K2765-05	Intact
6	P026-SS003-1218		K2765-06	Intact
7	P026-SS003-1824		K2765-07	Intact
8	P026-SS004-0002		K2765-08	Intact
9	P026-SS004-0206		K2765-09	Intact
10	P026-SS004-0612		K2765-10	Intact
11	P026-SS004-1218		K2765-11	Intact
12	P026-SS004-1824		K2765-12	Intact
13	P026-SS005-0002		K2765-13	Intact
14	P026-SS005-0206		K2765-14	Intact
15	P026-SS005-0612		K2765-15	Intact
16	P026-SS005-1218		K2765-16	Intact
17	P026-SS005-1824		K2765-17	Intact
18	P026-SS006-0002		K2765-18	Intact
19	K2765-18MS		K2765-19	Intact
20	K2765-18MSD		K2765-20	Intact
21	P026-SS006-0002		K2765-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2766

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: _____ **Date:** 06/20/2019

On May 6, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2766				
P026-SS006-0206-01	J2766-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS006-0612-01	J2766-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS006-1218-01	J2766-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS006-1824-01	J2766-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS007-0002-01	J2766-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS007-0206-01	J2766-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS007-0612-01	J2766-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS007-1218-01	J2766-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS007-1824-01	J2766-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS008-0002-01	J2766-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS008-0206-01	J2766-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS008-0206-02[1]	J2766-14	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS008-0612-01	J2766-15	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS008-1218-01	J2766-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS008-1824-01	J2766-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS009-0002-01	J2766-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS009-0206-01	J2766-19	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS009-0612-01	J2766-20	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS009-1218-01	J2766-21	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019

[1] A field duplicate of P026-SS008-0206-01

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10%R, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

The recovery of 2-Fluorobiphenyl fell below the acceptance criteria in the analysis of soil sample P026-SS008-0206-01. Because only one of three base/neutral surrogates fell below the acceptance criteria, no qualifiers were applied.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS008-0206-01 was used for MS/MSD analyses. The percent recoveries (%Rs) of 4-chloroaniline, 4-Nitroaniline, and 3,3'-dichlorobenzidine fell below the acceptance criteria in the MS and/or MSD analyses. The detected or non-detected results for 4-chloroaniline, 4-Nitroaniline, and 3,3'-dichlorobenzidine in soil sample P026-SS008-0206-01 were qualified as estimated (J or UJ).

The relative percent differences (RPDs) exceeded the laboratory control limit of 20% for hexachlorobenzidiene, 2,4-dinitrophenol, and di-n-butylphthalate. Since, these compounds were not detected in sample P026-SS008-0206-01, no action was required.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No contaminants were detected in rinsate blank RB-190506 associated with SDG No. K2769.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.66 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P026-SS006-0612-01 and P026-SS007-0612-01.

Laboratory artifact eluted around retention time 3.22 minute was detected in rinsate blank RB-190506 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for associated samples: P026-SS006-0612-01, P026-SS007-0612-01, and P026-SS008-1218-01.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>) 20 for 2,4-dinitrophenol, initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde, and initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/11/2019@ 19:30	CCV	2,4-Dinitrophenol	P026-SS008-1824-01	J/UJ
5/13/2019@ 11:40	CCV	Di-n-Octylphthalate	P026-SS006-0206-01 P026-SS008-0206-01 P026-SS008-0206-02 P026-SS009-1218-01	J/UJ
5/11/2019@ 14:47	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P026-SS008-1218-01	J/UJ

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/12/2019@ 04:04	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P026-SS006-0612-01 P026-SS007-0612-01	J/UJ
5/12/2019@ 11:21	CCV	Indeno(1,2,3-cd)pyrene	P026-SS006-1218-01 P026-SS006-1824-01 P026-SS007-1824-01 P026-SS008-0002-01 P026-SS009-0002-01	J/UJ
5/13/2019@ 12:10	CCV	2-Nitrophenol Caprolactam 2,4-Dinitrophenol 4,6-Dinitro-2-Methylphenol Butylbenzylphthalate Di-n-Octylphthalate	P026-SS008-0612-01	J/UJ

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

All SVOCs results were comparable between sample P026-SS008-0206-01 and its field duplicate P026-SS008-0206-02.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported non-target SVOCs as TICs and denoted as non-target (NT) on the Form 1s. The non-target SVOCs are not project target analytes but were present in the sample and quantitated using the SVOC calibration standards in the following samples:

P026-SS007-0002-01, P026-SS007-0206-01, P026-SS007-1218-01, P026-SS008-0206-01, and P026-SS008-0206-02: Benzoic Acid

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

Laboratory control sample (LCS) PB119645BS recovered acceptable recoveries. No qualifiers were required.

As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

The majority of samples in this SDG were analyzed as low-level VOCs or to bring a target analyte into instrument calibration range:

Sample P026-SS007-0002-01 was analyzed once as a low-level VOC and at a 4-fold dilution due to fluoranthene, pyrene, and chrysene exceeding the calibration range in the low-level analysis. Results for these compounds were reported from the dilution analysis.

Sample P026-SS007-0206-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene exceeding the calibration range in the low-level analysis. Pyrene result was reported from the dilution analysis.

Sample P026-SS009-0002-01 was analyzed once as a low-level VOC and at a 2-fold dilution due to pyrene exceeding the calibration range in the low-level analysis. Result for pyrene was reported from the dilution analysis.

Due to dilution analysis, the laboratory qualified the associated analytes results with D qualifiers on the Form Is. The data reviewer removed the "D" qualifier from the Form Is.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

P026-SS007-0002-01DL
P026-SS007-0206-01DL
P026-SS009-0002-01DL

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:
Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:
A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit

(CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:
Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Lead result in CCB13 is greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). Since, the associated sample results are greater than CRQL; using professional judgment, no qualification was required.

Arsenic and mercury were detected greater than or equal to MDLs but less than or equal to CRQLs in rinsate blank RB-190506. Since, the associated sample results for arsenic and mercury were greater than CRQL; using professional judgment, no qualification was required.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the

concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:
The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recovery of silver was below the acceptance criteria in the MS/MSD analysis performed on sample P026-SS008-0206-01. The non-detected result for silver was qualified as estimated (UJ). The laboratory qualified all silver results with "N" due to the low recoveries of silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:
The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P026-SS008-0206-01 and P026-SS008-0206-02 were analyzed and results were within applicable control limits. No data qualifiers were required.

8. LABORATORY CONTROL SAMPLE:
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-

150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:
The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS:
The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

All analytes (previously not qualified due to other QC criteria) were qualified as estimated ("J or UJ") in the following samples:

(J/UJ) – P026-SS008-0002-01, P026-SS008-0206-01, and P026-SS008-0206-02

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS006-0206-01	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01
Lab Sample ID	K2766-01	K2766-02	K2766-03	K2766-04	K2766-05
Sample weight (g)	30.06	30.11	30.01	30.05	30.1
Moisture (%)	9	6.5	10	12.1	21.7
Dilution Factor	1	1	1	1	1, *4
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	100 U	110 U	110 U	120 U
Phenol	68.7 U	66.8 U	69.6 U	71.2 U	79.8 U
bis(2-Chloroethyl)ether	110 U	110 U	110 U	120 U	130 U
2-Chlorophenol	72.3 U	70.2 U	73.2 U	74.8 U	83.9 U
2-Methylphenol	77 U	74.8 U	78 U	79.7 U	89.4 U
2,2-oxybis(1-Chloropropane)	97.1 U	94.3 U	98.3 U	100 U	110 U
Acetophenone	100 U	99.1 U	100 U	110 U	120 U
3+4-Methylphenols	110 U	100 U	110 U	110 U	130 U
n-Nitroso-di-n-propylamine	150 U	150 U	150 U	160 U	170 U
Hexachloroethane	92.4 U	89.8 U	93.6 U	95.7 U	110 U
Nitrobenzene	47.5 U	46.2 U	48.1 U	49.2 U	55.1 U
Isophorone	40.2 U	39.1 U	40.7 U	41.6 U	46.7 U
2-Nitrophenol	83.7 U	81.3 UJ	84.8 U	86.7 U	97.1 U
2,4-Dimethylphenol	60.5 U	58.8 U	61.3 U	62.7 U	70.2 U
bis(2-Chloroethoxy)methane	56.4 U	54.8 U	57.1 U	58.4 U	65.5 U
2,4-Dichlorophenol	56.2 U	54.6 U	57 U	58.2 U	65.3 U
Naphthalene	54.6 U	53 U	55.3 U	56.5 U	**800**
4-Chloroaniline	150 U	150 U	150 U	160 U	180 U
Hexachlorobutadiene	66.6 U	64.7 U	67.5 U	69 U	77.3 U
Caprolactam	120 U	120 U	120 U	130 U	140 U
4-Chloro-3-methylphenol	64.9 U	63 U	65.7 U	67.2 U	75.3 U
2-Methylnaphthalene	67.4 U	65.5 U	68.3 U	69.8 U	**560**
Hexachlorocyclopentadiene	240 U	240 U	250 U	250 U	280 U
2,4,6-Trichlorophenol	66.3 U	64.4 U	67.2 U	68.7 U	77 U
2,4,5-Trichlorophenol	64.9 U	63 U	65.7 U	67.2 U	75.3 U
1,1-Biphenyl	110 U	110 U	120 U	120 U	**180 J**
2-Chloronaphthalene	82.7 U	80.3 U	83.7 U	85.6 U	95.9 U
2-Nitroaniline	76.2 U	74.1 U	77.2 U	79 U	88.5 U
Dimethylphthalate	**390**	**340 J**	**320 J**	**250 J**	**410 J**
Acenaphthylene	**430**	63.9 U	**100 J**	68.1 U	**1200**
2,6-Dinitrotoluene	77.5 U	75.3 U	78.5 U	80.2 U	89.9 U
3-Nitroaniline	140 U	140 U	140 U	150 U	160 U
Acenaphthene	74.4 U	72.3 U	75.3 U	77 U	86.3 U
2,4-Dinitrophenol	96.1 U	93.4 UJ	97.3 U	99.5 U	110 U
4-Nitrophenol	70.8 U	68.8 U	71.7 U	73.3 U	82.2 U
Dibenzofuran	98.5 U	95.7 U	99.8 U	100 U	110 U
2,4-Dinitrotoluene	91.2 U	88.6 UJ	92.4 U	94.5 U	110 U
Diethylphthalate	69.3 U	67.4 U	70.2 U	71.8 U	80.5 U
4-Chlorophenyl-phenylether	91.5 U	88.9 U	92.7 U	94.7 U	110 U
Fluorene	55.9 U	54.3 U	56.6 U	57.9 U	**290 J**
4-Nitroaniline	96 U	93.3 U	97.2 U	99.4 U	110 U
4,6-Dinitro-2-methylphenol	76.5 U	74.4 UJ	77.5 U	79.3 U	88.8 U
n-Nitrosodiphenylamine	84.8 U	82.4 U	85.9 U	87.8 U	98.5 U
4-Bromophenyl-phenylether	61.9 U	60.1 U	62.6 U	64.1 U	71.8 U
Hexachlorobenzene	72.9 U	70.9 U	73.9 U	75.5 U	84.7 U
Atrazine	87.1 U	84.6 U	88.2 U	90.2 U	100 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS006-0206-01	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01
Lab Sample ID	K2766-01	K2766-02	K2766-03	K2766-04	K2766-05
Sample weight (g)	30.06	30.11	30.01	30.05	30.1
Moisture (%)	9	6.5	10	12.1	21.7
Dilution Factor	1	1	1	1	1, *4
Pentachlorophenol	120 U	110 U	120 U	120 U	140 U
Phenanthrene	**750**	60.8 U	**150 J**	64.8 U	**4000**
Anthracene	**210 J**	59.4 U	61.9 U	63.3 U	**820**
Carbazole	98.5 U	95.7 U	99.8 U	100 U	110 U
Di-n-butylphthalate	110 U	110 U	110 U	110 U	130 U
Fluoranthene	**1200**	**170 J**	**240 J**	**100 J**	***8200**
Pyrene	**2200**	**360**	**440**	**180 J**	***14500**
Butylbenzylphthalate	70 U	68 U	70.9 U	72.5 U	81.2 U
3,3-Dichlorobenzidine	160 U	160 U	160 U	170 U	190 U
Benzo(a)anthracene	**1200**	**150 J**	**180 J**	42.7 U	**4100**
Chrysene	**1700**	**210 J**	**260 J**	**110 J**	***7600**
Bis(2-ethylhexyl)phthalate	100 U	98.1 U	100 U	100 U	120 U
Di-n-octyl phthalate	78.2 UJ	76 U	79.2 U	81 U	90.7 U
Benzo(b)fluoranthene	**1700**	**230 J**	**280 J**	**110 J**	**4000**
Benzo(k)fluoranthene	**690**	**78.9 J**	**85.9 J**	64 U	**1200**
Benzo(a)pyrene	**1300**	**170 J**	**200 J**	50.4 U	**3300**
Indeno(1,2,3-cd)pyrene	**1000**	**140 J**	**170 J**	82.1 UJ	**3300**
Dibenzo(a,h)anthracene	**280 J**	55.7 U	58.1 U	59.4 U	**800**
Benzo(g,h,i)perylene	**1200**	**200 J**	**240 J**	**95 J**	**3400**
1,2,4,5-Tetrachlorobenzene	85.8 U	83.3 U	86.9 U	88.8 U	99.6 U
1,4-Dioxane	130 U	120 U	130 U	130 U	150 U
2,3,4,6-Tetrachlorophenol	45.6 U	44.4 U	46.2 U	47.3 U	53 U

U: Not detected at the indicated concentration

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01
Lab Sample ID	K2766-06	K2766-07	K2766-08	K2766-09	K2766-10
Sample weight (g)	30.16	30.04	30.09	30.15	30.03
Moisture (%)	21.2	19	18.1	17.6	50.7
Dilution Factor	1, *2	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	120 U	120 U	120 U	200 U
Phenol	79.1 U	77.3 U	76.3 U	75.7 U	130 U
bis(2-Chloroethyl)ether	130 U	130 U	130 U	120 U	210 U
2-Chlorophenol	83.2 U	81.2 U	80.2 U	79.6 U	130 U
2-Methylphenol	88.6 U	86.6 U	85.5 U	84.8 U	140 U
2,2-oxybis(1-Chloropropane)	110 U	110 U	110 U	110 U	180 U
Acetophenone	120 U	110 U	110 U	110 U	190 U
3+4-Methylphenols	120 U	120 U	120 U	120 U	200 U
n-Nitroso-di-n-propylamine	170 U	170 U	170 U	170 U	280 U
Hexachloroethane	110 U	100 U	100 U	100 U	170 U
Nitrobenzene	54.7 U	53.4 U	52.7 U	52.3 U	87.8 U
Isophorone	46.3 U	45.2 U	44.6 U	44.3 U	74.3 U
2-Nitrophenol	96.3 U	94.1 UJ	92.9 U	92.2 U	150 U
2,4-Dimethylphenol	69.7 U	68 U	67.2 U	66.6 U	110 U
bis(2-Chloroethoxy)methane	64.9 U	63.4 U	62.6 U	62.1 U	100 U
2,4-Dichlorophenol	64.7 U	63.2 U	62.4 U	61.9 U	100 U
Naphthalene	**330 J**	61.3 U	**180 J**	60.1 U	100 U
4-Chloroaniline	170 U	170 U	170 U	170 U	280 U
Hexachlorobutadiene	76.7 U	74.9 U	74 U	73.4 U	120 U
Caprolactam	140 U	140 U	140 U	140 U	230 U
4-Chloro-3-methylphenol	74.7 U	72.9 U	72 U	71.4 U	120 U
2-Methylnaphthalene	**220 J**	75.8 U	**130 J**	74.3 U	120 U
Hexachlorocyclopentadiene	280 U	270 U	270 U	270 U	450 U
2,4,6-Trichlorophenol	76.3 U	74.6 U	73.6 U	73 U	120 U
2,4,5-Trichlorophenol	74.6 U	72.9 U	72 U	71.4 U	120 U
1,1-Biphenyl	130 U	130 U	130 U	130 U	210 U
2-Chloronaphthalene	95.1 U	92.9 U	91.7 U	91 U	150 U
2-Nitroaniline	87.8 U	85.7 U	84.6 U	84 U	140 U
Dimethylphthalate	**320 J**	**350 J**	**410**	**240 J**	**660 J**
Acenaphthylene	**510**	73.9 U	**280 J**	**130 J**	120 U
2,6-Dinitrotoluene	89.2 U	87.1 U	86 U	85.3 U	140 U
3-Nitroaniline	160 U	160 U	160 U	160 U	260 U
Acenaphthene	85.6 U	83.6 U	82.5 U	81.9 U	140 U
2,4-Dinitrophenol	110 U	110 UJ	110 U	110 U	180 U
4-Nitrophenol	81.5 U	79.6 U	78.6 U	78 U	130 U
Dibenzofuran	110 U	110 U	110 U	110 U	180 U
2,4-Dinitrotoluene	100 U	100 UJ	100 U	100 U	170 U
Diethylphthalate	79.8 U	77.9 U	77 U	76.3 U	130 U
4-Chlorophenyl-phenylether	110 U	100 U	100 U	100 U	170 U
Fluorene	**120 J**	62.8 U	62 U	61.5 U	100 U
4-Nitroaniline	110 U	110 U	110 U	110 U	180 U
4,6-Dinitro-2-methylphenol	88.1 U	86.1 UJ	85 U	84.3 U	140 U
n-Nitrosodiphenylamine	97.6 U	95.4 U	94.2 U	93.4 U	160 U
4-Bromophenyl-phenylether	71.2 U	69.5 U	68.7 U	68.1 U	110 U
Hexachlorobenzene	83.9 U	82 U	81 U	80.3 U	130 U
Atrazine	100 U	97.9 U	96.7 U	95.9 U	160 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01
Lab Sample ID	K2766-06	K2766-07	K2766-08	K2766-09	K2766-10
Sample weight (g)	30.16	30.04	30.09	30.15	30.03
Moisture (%)	21.2	19	18.1	17.6	50.7
Dilution Factor	1, *2	1	1	1	1
Pentachlorophenol	140 U	130 U	130 U	130 U	220 U
Phenanthrene	**2200**	**150 J**	**1700**	**350 J**	120 U
Anthracene	**340 J**	68.7 U	**190 J**	67.3 U	110 U
Carbazole	110 U	110 U	110 U	110 U	180 U
Di-n-butylphthalate	120 U	120 U	120 U	120 U	200 U
Fluoranthene	**2400**	**230 J**	**1700**	**520**	100 U
Pyrene	***4300**	**450**	**2900**	**940**	120 U
Butylbenzylphthalate	80.5 U	78.7 U	77.7 U	77.1 U	130 U
3,3-Dichlorobenzidine	190 U	180 U	180 U	180 U	300 U
Benzo(a)anthracene	**1900**	**170 J**	**1200**	**340 J**	76.2 U
Chrysene	**2400**	**220 J**	**1400**	**450**	86.2 U
Bis(2-ethylhexyl)phthalate	120 U	110 U	110 U	110 U	190 U
Di-n-octyl phthalate	90 U	87.9 U	86.8 U	86.1 U	140 U
Benzo(b)fluoranthene	**1900**	**200 J**	**1200**	**400**	98.5 U
Benzo(k)fluoranthene	**640**	69.4 U	**290 J**	**120 J**	110 U
Benzo(a)pyrene	**1600**	**150 J**	**960**	**300 J**	89.8 U
Indeno(1,2,3-cd)pyrene	**1400**	**97.1 J**	**760**	**210 J**	150 U
Dibenzo(a,h)anthracene	**380 J**	64.5 U	**220 J**	63.2 U	110 U
Benzo(g,h,i)perylene	**1500**	**130 J**	**890**	**280 J**	120 U
1,2,4,5-Tetrachlorobenzene	98.7 U	96.4 U	95.2 U	94.4 U	160 U
1,4-Dioxane	150 U	140 U	140 U	140 U	240 U
2,3,4,6-Tetrachlorophenol	52.5 U	51.3 U	50.7 U	50.3 U	84.3 U

U: Not detected at the indicated concentration.

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS008-0206-01	P026-SS008-0206-02[1]	P026-SS008-0612-01	P026-SS008-1218-01	P026-SS008-1824-01
Lab Sample ID	K2766-11	K2766-14	K2766-15	K2766-16	K2766-17
Sample weight (g)	30.08	30.07	30.13	30.01	30.06
Moisture (%)	57.5	55	19.5	13.5	14.5
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	230 U	220 U	120 U	110 U	110 U
Phenol	150 U	140 U	77.5 U	72.4 U	73.2 U
bis(2-Chloroethyl)ether	240 U	230 U	130 U	120 U	120 U
2-Chlorophenol	150 U	150 U	81.5 U	76.2 U	76.9 U
2-Methylphenol	160 U	160 U	86.8 U	81.1 U	82 U
2,2-oxybis(1-Chloropropane)	210 U	200 U	110 U	100 U	100 U
Acetophenone	220 U	210 U	120 U	110 U	110 U
3+4-Methylphenols	230 U	220 U	120 U	110 U	110 U
n-Nitroso-di-n-propylamine	320 U	300 U	170 U	160 U	160 U
Hexachloroethane	200 U	190 U	100 U	97.4 U	98.3 U
Nitrobenzene	100 U	96.1 U	53.6 U	50.1 U	50.6 U
Isophorone	86 U	81.3 U	45.3 U	42.4 U	42.8 U
2-Nitrophenol	180 U	170 U	94.4 UJ	88.2 UJ	89.1 U
2,4-Dimethylphenol	130 U	120 U	68.3 U	63.8 U	64.4 U
bis(2-Chloroethoxy)methane	120 U	110 U	63.6 U	59.4 U	60 U
2,4-Dichlorophenol	120 U	110 U	63.4 U	59.3 U	59.9 U
Naphthalene	120 U	110 U	61.5 U	57.5 U	58.1 U
4-Chloroaniline	320 UJ	310 U	170 U	160 U	160 U
Hexachlorobutadiene	140 U	130 U	75.1 U	70.2 U	70.9 U
Caprolactam	260 U	250 U	140 UJ	130 U	130 U
4-Chloro-3-methylphenol	140 U	130 U	73.2 U	68.4 U	69.1 U
2-Methylnaphthalene	140 U	140 U	76.1 U	71.1 U	71.8 U
Hexachlorocyclopentadiene	520 U	490 U	270 U	260 U	260 U
2,4,6-Trichlorophenol	140 U	130 U	74.8 U	69.9 U	70.6 U
2,4,5-Trichlorophenol	140 U	130 U	73.1 U	68.3 U	69 U
1,1-Biphenyl	240 U	230 U	130 U	120 U	120 U
2-Chloronaphthalene	180 U	170 U	93.2 U	87.1 U	88 U
2-Nitroaniline	160 U	150 U	86 U	80.3 U	81.2 U
Dimethylphthalate	**610 J**	**950**	**430**	**260 J**	**540**
Acenaphthylene	140 U	130 U	74.2 U	69.3 U	70 U
2,6-Dinitrotoluene	170 U	160 U	87.4 U	81.7 U	82.5 U
3-Nitroaniline	300 U	290 U	160 U	150 U	150 U
Acenaphthene	160 U	150 U	83.9 U	78.4 U	79.1 U
2,4-Dinitrophenol	210 U	190 U	110 UJ	100 UJ	100 UJ
4-Nitrophenol	150 U	140 U	79.9 U	74.6 U	75.4 U
Dibenzofuran	210 U	200 U	110 U	100 U	100 U
2,4-Dinitrotoluene	200 U	180 U	100 U	96.1 UJ	97.1 U
Diethylphthalate	150 U	140 U	78.2 U	73.1 U	73.8 U
4-Chlorophenyl-phenylether	200 U	180 U	100 U	96.4 U	97.4 U
Fluorene	120 U	110 U	63 U	58.9 U	59.5 U
4-Nitroaniline	210 UJ	190 U	110 U	100 U	100 U
4,6-Dinitro-2-methylphenol	160 U	150 U	86.3 UJ	80.7 UJ	81.5 U
n-Nitrosodiphenylamine	180 U	170 U	95.7 U	89.4 U	90.3 U
4-Bromophenyl-phenylether	130 U	130 U	69.8 U	65.2 U	65.8 U
Hexachlorobenzene	160 U	150 U	82.3 U	76.9 U	77.6 U
Atrazine	190 U	180 U	98.2 U	91.8 U	92.7 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS008-0206-01	P026-SS008-0206-02[1]	P026-SS008-0612-01	P026-SS008-1218-01	P026-SS008-1824-01
Lab Sample ID	K2766-11	K2766-14	K2766-15	K2766-16	K2766-17
Sample weight (g)	30.08	30.07	30.13	30.01	30.06
Moisture (%)	57.5	55	19.5	13.5	14.5
Dilution Factor	1	1	1	1	1
Pentachlorophenol	250 U	240 U	130 U	120 U	130 U
Phenanthrene	130 U	130 U	70.6 U	65.9 U	66.6 U
Anthracene	130 U	120 U	68.9 U	64.4 U	65.1 U
Carbazole	210 U	200 U	110 U	100 U	100 U
Di-n-butylphthalate	230 U	220 U	120 U	110 U	120 U
Fluoranthene	120 U	110 U	61.2 U	57.2 U	57.7 U
Pyrene	140 U	130 U	75.3 U	70.4 U	71.1 U
Butylbenzylphthalate	150 U	140 U	78.9 UJ	73.7 U	74.5 U
3,3-Dichlorobenzidine	350 UJ	330 U	180 U	170 U	170 U
Benzo(a)anthracene	88.2 U	83.4 U	46.5 U	43.5 U	43.9 U
Chrysene	99.8 U	94.3 U	52.6 U	49.2 U	49.7 U
Bis(2-ethylhexyl)phthalate	220 U	200 U	110 U	110 U	110 U
Di-n-octyl phthalate	170 UJ	160 UJ	88.2 UJ	82.4 U	83.2 U
Benzo(b)fluoranthene	110 U	110 U	60.2 U	56.2 U	56.8 U
Benzo(k)fluoranthene	130 U	120 U	69.7 U	65.1 U	65.7 U
Benzo(a)pyrene	100 U	98.3 U	54.8 U	51.2 U	51.8 U
Indeno(1,2,3-cd)pyrene	170 U	160 U	89.4 U	83.6 U	84.4 U
Dibenzo(a,h)anthracene	120 U	120 U	64.7 U	60.5 U	61.1 U
Benzo(g,h,i)perylene	140 U	140 U	75.6 U	70.6 U	71.3 U
1,2,4,5-Tetrachlorobenzene	180 U	170 U	96.7 U	90.4 U	91.3 U
1,4-Dioxane	270 U	260 U	140 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	97.7 U	92.3 U	51.5 U	48.1 U	48.6 U

U: Not detected at the indicated concentration.

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

[1] A field duplicate of P026-SS008-0206-01

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01
Lab Sample ID	K2766-18	K2766-19	K2766-20	K2766-21
Sample weight (g)	30.12	30.16	30.05	30.11
Moisture (%)	14.4	11.3	10.5	11.7
Dilution Factor	1, *2	1	1	1
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	110 U	1100 U	540 U	110 U
Phenol	72.9 U	700 U	350 U	70.7 U
bis(2-Chloroethyl)ether	120 U	1200 U	580 U	120 U
2-Chlorophenol	76.7 U	740 U	370 U	74.4 U
2-Methylphenol	81.7 U	790 U	390 U	79.2 U
2,2-oxybis(1-Chloropropane)	100 U	990 U	490 U	99.9 U
Acetophenone	110 U	1000 U	520 U	100 U
3+4-Methylphenols	110 U	1100 U	550 U	110 U
n-Nitroso-di-n-propylamine	160 U	1500 U	760 U	150 U
Hexachloroethane	98 U	940 U	470 U	95.1 U
Nitrobenzene	50.4 U	490 U	240 U	48.9 U
Isophorone	42.6 U	410 U	200 U	41.4 U
2-Nitrophenol	88.8 U	860 U	430 U	86.1 U
2,4-Dimethylphenol	64.2 U	620 U	310 U	62.3 U
bis(2-Chloroethoxy)methane	59.9 U	580 U	290 U	58 U
2,4-Dichlorophenol	59.7 U	580 U	290 U	57.9 U
Naphthalene	**170 J**	560 U	280 U	**78.3 J**
4-Chloroaniline	160 U	1500 U	770 U	160 U
Hexachlorobutadiene	70.7 U	680 U	340 U	68.5 U
Caprolactam	130 U	1300 U	630 U	130 U
4-Chloro-3-methylphenol	68.8 U	660 U	330 U	66.8 U
2-Methylnaphthalene	**100 J**	690 U	340 U	69.4 U
Hexachlorocyclopentadiene	260 U	2500 U	1200 U	250 U
2,4,6-Trichlorophenol	70.4 U	680 U	340 U	68.2 U
2,4,5-Trichlorophenol	68.8 U	660 U	330 U	66.7 U
1,1-Biphenyl	120 U	1200 U	580 U	120 U
2-Chloronaphthalene	87.7 U	850 U	420 U	85 U
2-Nitroaniline	80.9 U	780 U	390 U	78.4 U
Dimethylphthalate	**490**	570 U	**410 J**	**420**
Acenaphthylene	**780**	**1700 J**	**460 J**	**220 J**
2,6-Dinitrotoluene	82.2 U	790 U	390 U	79.7 U
3-Nitroaniline	150 U	1500 U	720 U	150 U
Acenaphthene	78.9 U	760 U	380 U	76.5 U
2,4-Dinitrophenol	100 U	980 U	490 U	98.9 U
4-Nitrophenol	75.1 U	720 U	360 U	72.9 U
Dibenzofuran	100 U	1000 U	500 U	100 U
2,4-Dinitrotoluene	96.8 U	930 U	460 U	93.9 U
Diethylphthalate	73.6 U	710 U	350 U	71.3 U
4-Chlorophenyl-phenylether	97.1 U	940 U	470 U	94.1 U
Fluorene	59.3 U	570 U	280 U	57.5 U
4-Nitroaniline	100 U	980 U	490 U	98.8 U
4,6-Dinitro-2-methylphenol	81.2 U	780 U	390 U	78.8 U
n-Nitrosodiphenylamine	90 U	870 U	430 U	87.3 U
4-Bromophenyl-phenylether	65.6 U	630 U	310 U	63.6 U
Hexachlorobenzene	77.4 U	750 U	370 U	75 U
Atrazine	92.4 U	890 U	440 U	89.6 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01
Lab Sample ID	K2766-18	K2766-19	K2766-20	K2766-21
Sample weight (g)	30.12	30.16	30.05	30.11
Moisture (%)	14.4	11.3	10.5	11.7
Dilution Factor	1, *2	1	1	1
Pentachlorophenol	120 U	1200 U	600 U	120 U
Phenanthrene	**1800**	**7300**	**1000 J**	**780**
Anthracene	**480**	**1300 J**	310 U	**160 J**
Carbazole	100 U	1000 U	500 U	100 U
Di-n-butylphthalate	110 U	1100 U	550 U	110 U
Fluoranthene	**3000**	**8900**	**1800**	**1200**
Pyrene	***4400**	**14700**	**3100**	**2000**
Butylbenzylphthalate	74.2 U	720 U	360 U	72 U
3,3-Dichlorobenzidine	170 U	1700 U	820 U	170 U
Benzo(a)anthracene	**1900**	**7000**	**1600 J**	**930**
Chrysene	**2300**	**7700**	**1800**	**1100**
Bis(2-ethylhexyl)phthalate	110 U	1000 U	510 U	100 U
Di-n-octyl phthalate	82.9 U	800 U	400 U	80.4 U
Benzo(b)fluoranthene	**2000**	**7000**	**2100**	**940**
Benzo(k)fluoranthene	**540**	**2700 J**	**430 J**	**370**
Benzo(a)pyrene	**1500**	**5300**	**1400 J**	**720**
Indeno(1,2,3-cd)pyrene	**1100 J**	**3700**	**1100 J**	**480**
Dibenzo(a,h)anthracene	**290 J**	**1000 J**	290 U	**150 J**
Benzo(g,h,i)perylene	**1400**	**4600**	**1400 J**	**570**
1,2,4,5-Tetrachlorobenzene	91 U	880 U	440 U	88.2 U
1,4-Dioxane	140 U	1300 U	650 U	130 U
2,3,4,6-Tetrachlorophenol	48.4 U	470 U	230 U	47 U

U: Not detected at the indicated concentration.

J: Estimated result./J+: Estimated for high bias

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

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Cover Page

Order ID : K2766

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2766-01	P026-SS006-0206-01
K2766-02	P026-SS006-0612-01
K2766-03	P026-SS006-1218-01
K2766-04	P026-SS006-1824-01
K2766-05	P026-SS007-0002-01
K2766-06	P026-SS007-0206-01
K2766-07	P026-SS007-0612-01
K2766-08	P026-SS007-1218-01
K2766-09	P026-SS007-1824-01
K2766-10	P026-SS008-0002-01
K2766-11	P026-SS008-0206-01
K2766-12	K2766-11MS
K2766-13	K2766-11MSD
K2766-14	P026-SS008-0206-02
K2766-15	P026-SS008-0612-01
K2766-16	P026-SS008-1218-01
K2766-17	P026-SS008-1824-01
K2766-18	P026-SS009-0002-01
K2766-19	P026-SS009-0206-01
K2766-20	P026-SS009-0612-01
K2766-21	P026-SS009-1218-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 5/17/2019

By Mildred V Reyes, QAQC Supervisor at 7:02 am, May 17, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2766
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for P026-SS008-0206-01 [2-Fluorobiphenyl - 36%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {K2766-12MS} with File ID: BF114257.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[0%], 4-Chloroaniline[0%] and 4-Nitroaniline[25%] .

The MSD {K2766-13MSD} with File ID: BF114258.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[0%], 4-Chloroaniline[0%] and 4-Nitroaniline[22%] .

The RPD for {K2766-13MSD} with File ID: BF114258.D met criteria except for 2,4-Dinitrophenol[21%], Di-n-butylphthalate[37%] and Hexachlorocyclopentadiene[43%] .

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The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine,2,4-Dinitrophenol, these compounds are passing on Linear regression.

The %RSD is greater than 15% in theInitial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and ,2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are passing on Linear regression.

The Continuous Calibration File ID BF114221.D met the requirements except for Di-n-octyl phthalate.

The Continuous Calibration File ID BG040873.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol and 4,6-Dinitro-2-methylphenol. These compounds were not found on the associated sample to this Continuous Calibration.

The Continuous Calibration File ID BG040892.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene,2-Nitrophenol and 4,6-Dinitro-2-methylphenol. These compounds were not found on the associated sample to this Continuous Calibration.

The Continuous Calibration File ID BM020292.D met the requirements except for Indeno(1,2,3-cd)pyrene. This continuous calibration is marginally high. No further corrective action was taken.

The Continuous Calibration File ID BM020311.D met the requirements except for 2,4-Dinitrophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, Caprolactam, Di-n-octyl phthalate and 2,4,6-Tribromophenol. These compounds were not found on the associated sample to this Continuous Calibration.

The Tuning criteria met requirements.

Samples P026-SS009-0206-01, P026-SS009-0612-01 was diluted due to bad matrix and high concentration of target compounds.

Samples P026-SS007-0002-01, P026-SS007-0206-01 and P026-SS009-0002-01 were diluted due to high concentrations.

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E. Additional Comments:

Concentration of SOIL Sample:

Concentration ug/Kg,
(dry weight basis) = $\frac{(Ax)\ (Is)\ (Vt)\ (DF)\ (GPC)}{(Ais)\ (\overline{RRF})\ (Vi)\ (Wt)\ (D)}$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.
D = % dry weight or $\frac{100 - \%Moisture}{100}$

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

K2766-12MS and K2766-13MSD some compounds recovery and RPD failing due to matrix interfrence. The Recovery of some compounds was zero due to very bad nature of the matrix. RPDs were affected due to poor recoveries due to matrix interference.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:01 am, May 17, 2019

CHEMTECH
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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2766
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P026-SS008-0206-01MS) analysis met criteria for all samples except for Silver.
The Matrix Spike Duplicate (P026-SS008-0206-01MSD) analysis met criteria for all samples except for Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Calculation:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)
V_f = Final digestion volume (mL)

W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,

C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

F. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 7:01 am, May 17, 2019

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114238.D	1	05/11/19 08:49	05/13/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	68.7	U	68.7	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	72.3	U	72.3	360	ug/Kg
95-48-7	2-Methylphenol	77	U	77	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.1	U	97.1	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	92.4	U	92.4	360	ug/Kg
98-95-3	Nitrobenzene	47.5	U	47.5	360	ug/Kg
78-59-1	Isophorone	40.2	U	40.2	360	ug/Kg
88-75-5	2-Nitrophenol	83.7	U	83.7	360	ug/Kg
105-67-9	2,4-Dimethylphenol	60.5	U	60.5	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.4	U	56.4	360	ug/Kg
120-83-2	2,4-Dichlorophenol	56.2	U	56.2	360	ug/Kg
91-20-3	Naphthalene	54.6	U	54.6	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	66.6	U	66.6	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.9	U	64.9	360	ug/Kg
91-57-6	2-Methylnaphthalene	67.4	U	67.4	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	66.3	U	66.3	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.9	U	64.9	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	82.7	U	82.7	360	ug/Kg
88-74-4	2-Nitroaniline	76.2	U	76.2	360	ug/Kg
131-11-3	Dimethylphthalate	390		55.4	360	ug/Kg
208-96-8	Acenaphthylene	430		65.7	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	77.5	U	77.5	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114238.D	1	05/11/19 08:49	05/13/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	74.4	U	74.4	360	ug/Kg
51-28-5	2,4-Dinitrophenol	96.1	U	96.1	360	ug/Kg
100-02-7	4-Nitrophenol	70.8	U	70.8	360	ug/Kg
132-64-9	Dibenzofuran	98.5	U	98.5	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.2	U	91.2	360	ug/Kg
84-66-2	Diethylphthalate	69.3	U	69.3	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.5	U	91.5	360	ug/Kg
86-73-7	Fluorene	55.9	U	55.9	360	ug/Kg
100-01-6	4-Nitroaniline	96	U	96	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.5	U	76.5	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.8	U	84.8	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.9	U	61.9	360	ug/Kg
118-74-1	Hexachlorobenzene	72.9	U	72.9	360	ug/Kg
1912-24-9	Atrazine	87.1	U	87.1	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	750		62.6	360	ug/Kg
120-12-7	Anthracene	210	J	61.1	360	ug/Kg
86-74-8	Carbazole	98.5	U	98.5	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	1200		54.2	360	ug/Kg
129-00-0	Pyrene	2200		66.8	360	ug/Kg
85-68-7	Butylbenzylphthalate	70	U	70	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	1200		41.2	360	ug/Kg
218-01-9	Chrysene	1700		46.6	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	360	ug/Kg
117-84-0	Di-n-octyl phthalate	78.2	U	78.2	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		53.3	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	690		61.8	360	ug/Kg
50-32-8	Benzo(a)pyrene	1300		48.6	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		79.3	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	J	57.4	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114238.D	1	05/11/19 08:49	05/13/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1200		67	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	85.8	U	85.8	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.6	U	45.6	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	75%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.7		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	80		37 - 115	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	250941	6.86			
1146-65-2	Naphthalene-d8	929365	8.13			
15067-26-2	Acenaphthene-d10	425116	9.89			
1517-22-2	Phenanthrene-d10	769864	11.37			
1719-03-5	Chrysene-d12	465037	14.03			
1520-96-3	Perylene-d12	524153	15.52			
TENTATIVE IDENTIFIED COMPOUNDS unknown						
~~000994-05-8~~	Butane, 2-methoxy-2-methyl-	830	J		2.14	ug/Kg
	unknown6.64	3100	J		6.64	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	180	J		11.67	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	320	J		11.88	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	480	J		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	510	J		11.99	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	230	J		12.02	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	290	J		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	300	J		12.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	490	J		12.43	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	290	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	310	J		12.52	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	180	J		13.04	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114238.D	1	05/11/19 08:49	05/13/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003351-28-8	Chrysene, 1-methyl-	200	J N		14.42	ug/Kg
001705-84-6	Triphenylene, 2-methyl-	150	J N		14.46	ug/Kg
~~000612-78-2~~	~~2,2-Binaphthalene~~ unknown	210	J		14.5	ug/Kg
000192-97-2	Benzo[e]pyrene	350	J N		15.2	ug/Kg
000198-55-0	Perylene	1400	J N		15.4	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040908.D	1	05/11/19 08:49	05/12/19 14:10	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	350	ug/Kg
83-32-9	Acenaphthene	72.3	U	72.3	350	ug/Kg
51-28-5	2,4-Dinitrophenol	93.4	U J	93.4	350	ug/Kg
100-02-7	4-Nitrophenol	68.8	U	68.8	350	ug/Kg
132-64-9	Dibenzofuran	95.7	U	95.7	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.6	U J	88.6	350	ug/Kg
84-66-2	Diethylphthalate	67.4	U	67.4	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.9	U	88.9	350	ug/Kg
86-73-7	Fluorene	54.3	U	54.3	350	ug/Kg
100-01-6	4-Nitroaniline	93.3	U	93.3	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.4	U J	74.4	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.4	U	82.4	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	60.1	U	60.1	350	ug/Kg
118-74-1	Hexachlorobenzene	70.9	U	70.9	350	ug/Kg
1912-24-9	Atrazine	84.6	U	84.6	350	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	350	ug/Kg
85-01-8	Phenanthrene	60.8	U	60.8	350	ug/Kg
120-12-7	Anthracene	59.4	U	59.4	350	ug/Kg
86-74-8	Carbazole	95.7	U	95.7	350	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	350	ug/Kg
206-44-0	Fluoranthene	170	J	52.7	350	ug/Kg
129-00-0	Pyrene	360		64.9	350	ug/Kg
85-68-7	Butylbenzylphthalate	68	U	68	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	350	ug/Kg
56-55-3	Benzo(a)anthracene	150	J	40.1	350	ug/Kg
218-01-9	Chrysene	210	J	45.3	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.1	U	98.1	350	ug/Kg
117-84-0	Di-n-octyl phthalate	76	U	76	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	J	51.8	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	78.9	J	60	350	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	47.2	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	77.1	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.7	U	55.7	350	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040908.D	1	05/11/19 08:49	05/12/19 14:10	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	200	J	65.1	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	83.3	U	83.3	350	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.4	U	44.4	350	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	139		28 - 127	93%	SPK: 150
13127-88-3	Phenol-d6	135		34 - 127	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.4		31 - 132	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		39 - 123	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 - 133	98%	SPK: 150
1718-51-0	Terphenyl-d14	81.1		37 - 115	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54061	8.13			
1146-65-2	Naphthalene-d8	233221	10.96			
15067-26-2	Acenaphthene-d10	170788	14.76			
1517-22-2	Phenanthrene-d10	427967	17.51			
1719-03-5	Chrysene-d12	425678	21.79			
1520-96-3	Perylene-d12	467390	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	660	J		3.22	ug/Kg
	unknown7.66	3800	JB		7.66	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J		18.36	ug/Kg
000057-11-4	Octadecanoic acid	120	J		19.62	ug/Kg
002381-21-7	Pyrene, 1-methyl-	93.4	J		20.37	ug/Kg
074685-33-9	3-Eicosene, (E)-	150	J		21.38	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	76	J		22.06	ug/Kg
000593-45-3	Octadecane	94.1	J		23.28	ug/Kg
	unknown23.48	76.4	J		23.48	ug/Kg

6/12/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	6.5
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040908.D	1	05/11/19 08:49	05/12/19 14:10	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020295.D	1	05/11/19 08:49	05/12/19 13:08	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.6	U	69.6	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	370	ug/Kg
95-57-8	2-Chlorophenol	73.2	U	73.2	370	ug/Kg
95-48-7	2-Methylphenol	78	U	78	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.3	U	98.3	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	93.6	U	93.6	370	ug/Kg
98-95-3	Nitrobenzene	48.1	U	48.1	370	ug/Kg
78-59-1	Isophorone	40.7	U	40.7	370	ug/Kg
88-75-5	2-Nitrophenol	84.8	U	84.8	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.3	U	61.3	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.1	U	57.1	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57	U	57	370	ug/Kg
91-20-3	Naphthalene	55.3	U	55.3	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.5	U	67.5	370	ug/Kg
105-60-2	Caprolactam	120	U	120	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.7	U	65.7	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.3	U	68.3	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.2	U	67.2	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.7	U	65.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	83.7	U	83.7	370	ug/Kg
88-74-4	2-Nitroaniline	77.2	U	77.2	370	ug/Kg
131-11-3	Dimethylphthalate	320	J	56.1	370	ug/Kg
208-96-8	Acenaphthylene	100	J	66.6	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.5	U	78.5	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020295.D	1	05/11/19 08:49	05/12/19 13:08	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.3	U	75.3	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.3	U	97.3	370	ug/Kg
100-02-7	4-Nitrophenol	71.7	U	71.7	370	ug/Kg
132-64-9	Dibenzofuran	99.8	U	99.8	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	370	ug/Kg
84-66-2	Diethylphthalate	70.2	U	70.2	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.7	U	92.7	370	ug/Kg
86-73-7	Fluorene	56.6	U	56.6	370	ug/Kg
100-01-6	4-Nitroaniline	97.2	U	97.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.5	U	77.5	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.9	U	85.9	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	370	ug/Kg
118-74-1	Hexachlorobenzene	73.9	U	73.9	370	ug/Kg
1912-24-9	Atrazine	88.2	U	88.2	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	150	J	63.4	370	ug/Kg
120-12-7	Anthracene	61.9	U	61.9	370	ug/Kg
86-74-8	Carbazole	99.8	U	99.8	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	240	J	54.9	370	ug/Kg
129-00-0	Pyrene	440		67.6	370	ug/Kg
85-68-7	Butylbenzylphthalate	70.9	U	70.9	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	41.8	370	ug/Kg
218-01-9	Chrysene	260	J	47.2	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.2	U	79.2	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	J	54	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	85.9	J	62.6	370	ug/Kg
50-32-8	Benzo(a)pyrene	200	J	49.2	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	J	80.3	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.1	U	58.1	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020295.D	1	05/11/19 08:49	05/12/19 13:08	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	240	J	67.9	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.9	U	86.9	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.2	U	46.2	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		28 - 127	86%	SPK: 150
13127-88-3	Phenol-d6	125		34 - 127	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.2		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		39 - 123	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		30 - 133	91%	SPK: 150
1718-51-0	Terphenyl-d14	68		37 - 115	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63882	7.76			
1146-65-2	Naphthalene-d8	214199	10.56			
15067-26-2	Acenaphthene-d10	135644	14.41			
1517-22-2	Phenanthrene-d10	333625	17.16			
1719-03-5	Chrysene-d12	375468	21.35			
1520-96-3	Perylene-d12	452153	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.30	3900	J		7.3	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		18.04	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	74.4	J		18.08	ug/Kg
000610-48-0	Anthracene, 1-methyl-	96.3	J		18.22	ug/Kg
000781-43-1	9,10-Dimethylanthracene	90.3	J		18.95	ug/Kg
005737-13-3	~~Cyclopenta(def)phenanthrenone~~ unknown	75.9	J		19.1	ug/Kg
1000282-98-2	Dichloroacetic acid, heptadecyl es	200	J		21.04	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	80.3	J		21.56	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J		23.43	ug/Kg

6/12/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020295.D	1	05/11/19 08:49	05/12/19 13:08	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020296.D	1	05/11/19 08:49	05/12/19 13:44	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	71.2	U	71.2	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.8	U	74.8	370	ug/Kg
95-48-7	2-Methylphenol	79.7	U	79.7	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	370	ug/Kg
98-86-2	Acetophenone	110	U	110	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	370	ug/Kg
67-72-1	Hexachloroethane	95.7	U	95.7	370	ug/Kg
98-95-3	Nitrobenzene	49.2	U	49.2	370	ug/Kg
78-59-1	Isophorone	41.6	U	41.6	370	ug/Kg
88-75-5	2-Nitrophenol	86.7	U	86.7	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.7	U	62.7	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.4	U	58.4	370	ug/Kg
120-83-2	2,4-Dichlorophenol	58.2	U	58.2	370	ug/Kg
91-20-3	Naphthalene	56.5	U	56.5	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	69	U	69	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.2	U	67.2	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.8	U	69.8	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.7	U	68.7	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.2	U	67.2	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85.6	U	85.6	370	ug/Kg
88-74-4	2-Nitroaniline	79	U	79	370	ug/Kg
131-11-3	Dimethylphthalate	250	J	57.4	370	ug/Kg
208-96-8	Acenaphthylene	68.1	U	68.1	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.2	U	80.2	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020296.D	1	05/11/19 08:49	05/12/19 13:44	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	370	ug/Kg
83-32-9	Acenaphthene	77	U	77	370	ug/Kg
51-28-5	2,4-Dinitrophenol	99.5	U	99.5	370	ug/Kg
100-02-7	4-Nitrophenol	73.3	U	73.3	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.5	U	94.5	370	ug/Kg
84-66-2	Diethylphthalate	71.8	U	71.8	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.7	U	94.7	370	ug/Kg
86-73-7	Fluorene	57.9	U	57.9	370	ug/Kg
100-01-6	4-Nitroaniline	99.4	U	99.4	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.3	U	79.3	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.8	U	87.8	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.1	U	64.1	370	ug/Kg
118-74-1	Hexachlorobenzene	75.5	U	75.5	370	ug/Kg
1912-24-9	Atrazine	90.2	U	90.2	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	64.8	U	64.8	370	ug/Kg
120-12-7	Anthracene	63.3	U	63.3	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	100	J	56.2	370	ug/Kg
129-00-0	Pyrene	180	J	69.2	370	ug/Kg
85-68-7	Butylbenzylphthalate	72.5	U	72.5	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	42.7	U	42.7	370	ug/Kg
218-01-9	Chrysene	110	J	48.3	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	81	U	81	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	55.2	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	64	U	64	370	ug/Kg
50-32-8	Benzo(a)pyrene	50.4	U	50.4	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.1	U J	82.1	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.4	U	59.4	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020296.D	1	05/11/19 08:49	05/12/19 13:44	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	95	J	69.4	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.3	U	47.3	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		28 - 127	84%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.2		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		39 - 123	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		30 - 133	87%	SPK: 150
1718-51-0	Terphenyl-d14	70.9		37 - 115	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60352	7.76			
1146-65-2	Naphthalene-d8	200996	10.56			
15067-26-2	Acenaphthene-d10	119974	14.41			
1517-22-2	Phenanthrene-d10	293107	17.16			
1719-03-5	Chrysene-d12	324590	21.35			
1520-96-3	Perylene-d12	403320	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3800	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J N		18.04	ug/Kg
035507-09-6	7-Hexadecene, (Z)-	220	J N		21.04	ug/Kg
~~000198-55-0~~	~~Perylene~~ Unknown	100	J		23.53	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114188.D	1	05/11/19 08:49	05/12/19 13:28	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	420	ug/Kg
108-95-2	Phenol	79.8	U	79.8	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	83.9	U	83.9	420	ug/Kg
95-48-7	2-Methylphenol	89.4	U	89.4	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	55.1	U	55.1	420	ug/Kg
78-59-1	Isophorone	46.7	U	46.7	420	ug/Kg
88-75-5	2-Nitrophenol	97.1	U	97.1	420	ug/Kg
105-67-9	2,4-Dimethylphenol	70.2	U	70.2	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	65.5	U	65.5	420	ug/Kg
120-83-2	2,4-Dichlorophenol	65.3	U	65.3	420	ug/Kg
91-20-3	Naphthalene	800		63.3	420	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	420	ug/Kg
87-68-3	Hexachlorobutadiene	77.3	U	77.3	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75.3	U	75.3	420	ug/Kg
91-57-6	2-Methylnaphthalene	560		78.3	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.3	U	75.3	420	ug/Kg
92-52-4	1,1-Biphenyl	180	J	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	95.9	U	95.9	420	ug/Kg
88-74-4	2-Nitroaniline	88.5	U	88.5	420	ug/Kg
131-11-3	Dimethylphthalate	410	J	64.3	420	ug/Kg
208-96-8	Acenaphthylene	1200		76.3	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	420	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114188.D	1	05/11/19 08:49	05/12/19 13:28	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	420	ug/Kg
83-32-9	Acenaphthene	86.3	U	86.3	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	420	ug/Kg
100-02-7	4-Nitrophenol	82.2	U	82.2	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	420	ug/Kg
84-66-2	Diethylphthalate	80.5	U	80.5	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	290	J	64.8	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	88.8	U	88.8	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.5	U	98.5	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	71.8	U	71.8	420	ug/Kg
118-74-1	Hexachlorobenzene	84.7	U	84.7	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	4000		72.6	420	ug/Kg
120-12-7	Anthracene	820		70.9	420	ug/Kg
86-74-8	Carbazole	110	U	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	420	ug/Kg
206-44-0	Fluoranthene * 82000	~~4400~~	~~E~~	63	420	ug/Kg
129-00-0	Pyrene * 145000	~~8100~~	~~E~~	77.5	420	ug/Kg
85-68-7	Butylbenzylphthalate	81.2	U	81.2	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	4100		47.9	420	ug/Kg
218-01-9	Chrysene * 7600	~~4900~~	~~E~~	54.1	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	90.7	U	90.7	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	4000		61.9	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		71.7	420	ug/Kg
50-32-8	Benzo(a)pyrene	3300		56.4	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3300		92	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	800		66.6	420	ug/Kg

*4xDIF - values transferred from the dilution analysis--

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114188.D	1	05/11/19 08:49	05/12/19 13:28	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3400		77.8	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.6	U	99.6	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53	U	53	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.3		28 - 127	61%	SPK: 150
13127-88-3	Phenol-d6	104		34 - 127	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.4		31 - 132	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	57		39 - 123	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.5		30 - 133	64%	SPK: 150
1718-51-0	Terphenyl-d14	63.1		37 - 115	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	281227	6.85			
1146-65-2	Naphthalene-d8	1079600	8.13			
15067-26-2	Acenaphthene-d10	526678	9.89			
1517-22-2	Phenanthrene-d10	1052270	11.37			
1719-03-5	Chrysene-d12	562652	14.03			
1520-96-3	Perylene-d12	753003	15.5			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ Unknown	1300	J		2.11	ug/Kg
	unknown6.62	3000	J		6.62	ug/Kg
65-85-0	Benzoic acid	350	J		7.85	ug/Kg
000132-65-0	Dibenzothiophene	520	J N		11.27	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	770	J N		11.66	ug/Kg
~~007372-88-5~~	~~Dibenzothiophene, 4-methyl-~~	610	J		11.7	ug/Kg
000613-12-7	Anthracene, 2-methyl-	1800	J N		11.88	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	2100	J N		11.9	ug/Kg
~~000832-69-9~~	~~Phenanthrene, 1-methyl-~~	2500	J		11.99	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	1200	J N		12.02	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1700	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	1700	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1600	J N		12.43	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114188.D	1	05/11/19 08:49	05/12/19 13:28	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001576-67-6	Phenanthrene, 3,6-dimethyl- unknown	1300	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1600	J N		12.52	ug/Kg
~~116196-83-9~~	~~4,4-Bis(tetrahydrothiopyran)~~ unknown	1700	J		12.69	ug/Kg
000192-97-2	Benzo[e]pyrene	630	J N		15.18	ug/Kg
	unknown15.39	2600	J		15.39	ug/Kg
~~000629-78-7~~	~~Heptadecane~~ unknown	590	J		15.94	ug/Kg
	unknown18.57	570	J		18.57	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-05DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114301.D	4	05/11/19 08:49	05/15/19 22:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	500	UD	500	1700	ug/Kg
108-95-2	Phenol	320	UD	320	1700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	530	UD	530	1700	ug/Kg
95-57-8	2-Chlorophenol	340	UD	340	1700	ug/Kg
95-48-7	2-Methylphenol	360	UD	360	1700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	450	UD	450	1700	ug/Kg
98-86-2	Acetophenone	470	UD	470	1700	ug/Kg
65794-96-9	3+4-Methylphenols	500	UD	500	1700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	700	UD	700	1700	ug/Kg
67-72-1	Hexachloroethane	430	UD	430	1700	ug/Kg
98-95-3	Nitrobenzene	220	UD	220	1700	ug/Kg
78-59-1	Isophorone	190	UD	190	1700	ug/Kg
88-75-5	2-Nitrophenol	390	UD	390	1700	ug/Kg
105-67-9	2,4-Dimethylphenol	280	UD	280	1700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	260	UD	260	1700	ug/Kg
120-83-2	2,4-Dichlorophenol	260	UD	260	1700	ug/Kg
91-20-3	Naphthalene	1200	JD	250	1700	ug/Kg
106-47-8	4-Chloroaniline	700	UD	700	1700	ug/Kg
87-68-3	Hexachlorobutadiene	310	UD	310	1700	ug/Kg
105-60-2	Caprolactam	570	UD	570	1700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	300	UD	300	1700	ug/Kg
91-57-6	2-Methylnaphthalene	810	JD	310	1700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100	UD	1100	1700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	310	UD	310	1700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	300	UD	300	1700	ug/Kg
92-52-4	1,1-Biphenyl	530	UD	530	1700	ug/Kg
91-58-7	2-Chloronaphthalene	380	UD	380	1700	ug/Kg
88-74-4	2-Nitroaniline	350	UD	350	1700	ug/Kg
131-11-3	Dimethylphthalate	630	JD	260	1700	ug/Kg
208-96-8	Acenaphthylene	1900	D	310	1700	ug/Kg
606-20-2	2,6-Dinitrotoluene	360	UD	360	1700	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-05DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114301.D	4	05/11/19 08:49	05/15/19 22:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	660	UD	660	1700	ug/Kg
83-32-9	Acenaphthene	350	UD	350	1700	ug/Kg
51-28-5	2,4-Dinitrophenol	450	UD	450	1700	ug/Kg
100-02-7	4-Nitrophenol	330	UD	330	1700	ug/Kg
132-64-9	Dibenzofuran	460	UD	460	1700	ug/Kg
121-14-2	2,4-Dinitrotoluene	420	UD	420	1700	ug/Kg
84-66-2	Diethylphthalate	320	UD	320	1700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	420	UD	420	1700	ug/Kg
86-73-7	Fluorene	400	JD	260	1700	ug/Kg
100-01-6	4-Nitroaniline	450	UD	450	1700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	UD	360	1700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	390	UD	390	1700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	UD	290	1700	ug/Kg
118-74-1	Hexachlorobenzene	340	UD	340	1700	ug/Kg
1912-24-9	Atrazine	400	UD	400	1700	ug/Kg
87-86-5	Pentachlorophenol	550	UD	550	1700	ug/Kg
85-01-8	Phenanthrene	7800	D	290	1700	ug/Kg
120-12-7	Anthracene	1300	JD	280	1700	ug/Kg
86-74-8	Carbazole	460	UD	460	1700	ug/Kg
84-74-2	Di-n-butylphthalate	500	UD	500	1700	ug/Kg
206-44-0	Fluoranthene	8200	D	250	1700	ug/Kg
129-00-0	Pyrene	14500	D	310	1700	ug/Kg
85-68-7	Butylbenzylphthalate	320	UD	320	1700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750	UD	750	1700	ug/Kg
56-55-3	Benzo(a)anthracene	6900	D	190	1700	ug/Kg
218-01-9	Chrysene	7600	D	220	1700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	470	UD	470	1700	ug/Kg
117-84-0	Di-n-octyl phthalate	360	UD	360	1700	ug/Kg
205-99-2	Benzo(b)fluoranthene	7000	D	250	1700	ug/Kg
207-08-9	Benzo(k)fluoranthene	2400	D	290	1700	ug/Kg
50-32-8	Benzo(a)pyrene	5400	D	230	1700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3500	D	370	1700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000	JD	270	1700	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-05DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114301.D	4	05/11/19 08:49	05/15/19 22:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	4000	D	310	1700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	400	UD	400	1700	ug/Kg
123-91-1	1,4-Dioxane	600	UD	600	1700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	UD	210	1700	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	151		28 - 127	101%	SPK: 150
13127-88-3	Phenol-d6	176		34 - 127	117%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		31 - 132	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.1		39 - 123	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		30 - 133	94%	SPK: 150
1718-51-0	Terphenyl-d14	90.5		37 - 115	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	243127	6.85			
1146-65-2	Naphthalene-d8	957624	8.13			
15067-26-2	Acenaphthene-d10	454585	9.89			
1517-22-2	Phenanthrene-d10	846359	11.37			
1719-03-5	Chrysene-d12	508304	14.02			
1520-96-3	Perylene-d12	578724	15.5			

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114189.D	1	05/11/19 08:49	05/12/19 13:54	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	420	ug/Kg
108-95-2	Phenol	79.1	U	79.1	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	83.2	U	83.2	420	ug/Kg
95-48-7	2-Methylphenol	88.6	U	88.6	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	54.7	U	54.7	420	ug/Kg
78-59-1	Isophorone	46.3	U	46.3	420	ug/Kg
88-75-5	2-Nitrophenol	96.3	U	96.3	420	ug/Kg
105-67-9	2,4-Dimethylphenol	69.7	U	69.7	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64.9	U	64.9	420	ug/Kg
120-83-2	2,4-Dichlorophenol	64.7	U	64.7	420	ug/Kg
91-20-3	Naphthalene	330	J	62.8	420	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	420	ug/Kg
87-68-3	Hexachlorobutadiene	76.7	U	76.7	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.7	U	74.7	420	ug/Kg
91-57-6	2-Methylnaphthalene	220	J	77.6	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.3	U	76.3	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.6	U	74.6	420	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	95.1	U	95.1	420	ug/Kg
88-74-4	2-Nitroaniline	87.8	U	87.8	420	ug/Kg
131-11-3	Dimethylphthalate	320	J	63.8	420	ug/Kg
208-96-8	Acenaphthylene	510		75.7	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.2	U	89.2	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114189.D	1	05/11/19 08:49	05/12/19 13:54	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	420	ug/Kg
83-32-9	Acenaphthene	85.6	U	85.6	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	420	ug/Kg
100-02-7	4-Nitrophenol	81.5	U	81.5	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	420	ug/Kg
84-66-2	Diethylphthalate	79.8	U	79.8	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	120	J	64.3	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	88.1	U	88.1	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	97.6	U	97.6	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	71.2	U	71.2	420	ug/Kg
118-74-1	Hexachlorobenzene	83.9	U	83.9	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	2200		72	420	ug/Kg
120-12-7	Anthracene	340	J	70.4	420	ug/Kg
86-74-8	Carbazole	110	U	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	420	ug/Kg
206-44-0	Fluoranthene	2400		62.4	420	ug/Kg
129-00-0	Pyrene *4300	~~4300~~	~~E~~	76.9	420	ug/Kg
85-68-7	Butylbenzylphthalate	80.5	U	80.5	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	1900		47.5	420	ug/Kg
218-01-9	Chrysene	2400		53.7	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	90	U	90	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		61.4	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	640		71.1	420	ug/Kg
50-32-8	Benzo(a)pyrene	1600		56	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		91.3	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	J	66	420	ug/Kg

* 2x DIF — value transferred from the dilution analysis.

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114189.D	1	05/11/19 08:49	05/12/19 13:54	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1500		77.1	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.7	U	98.7	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.5	U	52.5	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.4		28 - 127	54%	SPK: 150
13127-88-3	Phenol-d6	91.6		34 - 127	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	61		31 - 132	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.7		39 - 123	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		30 - 133	59%	SPK: 150
1718-51-0	Terphenyl-d14	60.7		37 - 115	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	296012	6.85			
1146-65-2	Naphthalene-d8	1137580	8.13			
15067-26-2	Acenaphthene-d10	540680	9.89			
1517-22-2	Phenanthrene-d10	1083720	11.37			
1719-03-5	Chrysene-d12	620774	14.02			
1520-96-3	Perylene-d12	759655	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	2600	J		6.62	ug/Kg
65-85-0	Benzoic acid	320	J		7.85	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	300	J N		11.66	ug/Kg
000613-12-7	Anthracene, 2-methyl-	760	J N		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	910	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1100	J N		11.98	ug/Kg
001961-96-2	1H-Indene, 1-phenyl-	530	J N		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	660	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	740	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	820	J N		12.42	ug/Kg
001576-69-8	~~Phenanthrene, 2,7-dimethyl-~~ UNKNOWN	510	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	660	J N		12.51	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	540	J N		12.68	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114189.D	1	05/11/19 08:49	05/12/19 13:54	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002381-21-7	Pyrene, 1-methyl-	260	J N		13.03	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	310	J N		14.16	ug/Kg
000192-97-2	Benzo[e]pyrene	360	J N		15.16	ug/Kg
	unknown15.36	1400	J		15.36	ug/Kg
~~000135-48-8~~	~~Pentacene~~ unknown	280	J		16	ug/Kg
~~000605-40-3~~	~~Anthraquinone, 2,6-dichloro-~~ unknown	420	J		16.8	ug/Kg
~~001058-61-3~~	~~Stigmast-4-en-3-one~~ unknown	390	J		18.54	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114262.D	2	05/11/19 08:49	05/14/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	250	UD	250	830	ug/Kg
108-95-2	Phenol	160	UD	160	830	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	UD	260	830	ug/Kg
95-57-8	2-Chlorophenol	170	UD	170	830	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	830	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	UD	220	830	ug/Kg
98-86-2	Acetophenone	230	UD	230	830	ug/Kg
65794-96-9	3+4-Methylphenols	250	UD	250	830	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	350	UD	350	830	ug/Kg
67-72-1	Hexachloroethane	210	UD	210	830	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	830	ug/Kg
78-59-1	Isophorone	92.5	UD	92.5	830	ug/Kg
88-75-5	2-Nitrophenol	190	UD	190	830	ug/Kg
105-67-9	2,4-Dimethylphenol	140	UD	140	830	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	UD	130	830	ug/Kg
120-83-2	2,4-Dichlorophenol	130	UD	130	830	ug/Kg
91-20-3	Naphthalene	330	JD	130	830	ug/Kg
106-47-8	4-Chloroaniline	350	UD	350	830	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	830	ug/Kg
105-60-2	Caprolactam	280	UD	280	830	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	UD	150	830	ug/Kg
91-57-6	2-Methylnaphthalene	210	JD	160	830	ug/Kg
77-47-4	Hexachlorocyclopentadiene	560	UD	560	830	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	UD	150	830	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	UD	150	830	ug/Kg
92-52-4	1,1-Biphenyl	260	UD	260	830	ug/Kg
91-58-7	2-Chloronaphthalene	190	UD	190	830	ug/Kg
88-74-4	2-Nitroaniline	180	UD	180	830	ug/Kg
131-11-3	Dimethylphthalate	320	JD	130	830	ug/Kg
208-96-8	Acenaphthylene	560	JD	150	830	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	830	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

DO NOT USE

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114262.D	2	05/11/19 08:49	05/14/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	330	UD	330	830	ug/Kg
83-32-9	Acenaphthene	170	UD	170	830	ug/Kg
51-28-5	2,4-Dinitrophenol	220	UD	220	830	ug/Kg
100-02-7	4-Nitrophenol	160	UD	160	830	ug/Kg
132-64-9	Dibenzofuran	230	UD	230	830	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	UD	210	830	ug/Kg
84-66-2	Diethylphthalate	160	UD	160	830	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	UD	210	830	ug/Kg
86-73-7	Fluorene	130	UD	130	830	ug/Kg
100-01-6	4-Nitroaniline	220	UD	220	830	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	UD	180	830	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	UD	200	830	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	UD	140	830	ug/Kg
118-74-1	Hexachlorobenzene	170	UD	170	830	ug/Kg
1912-24-9	Atrazine	200	UD	200	830	ug/Kg
87-86-5	Pentachlorophenol	270	UD	270	830	ug/Kg
85-01-8	Phenanthrene	2500	D	140	830	ug/Kg
120-12-7	Anthracene	380	JD	140	830	ug/Kg
86-74-8	Carbazole	230	UD	230	830	ug/Kg
84-74-2	Di-n-butylphthalate	250	UD	250	830	ug/Kg
206-44-0	Fluoranthene	2900	D	120	830	ug/Kg
129-00-0	Pyrene	4300	D	150	830	ug/Kg
85-68-7	Butylbenzylphthalate	160	UD	160	830	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	UD	370	830	ug/Kg
56-55-3	Benzo(a)anthracene	2000	D	94.9	830	ug/Kg
218-01-9	Chrysene	2500	D	110	830	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	UD	230	830	ug/Kg
117-84-0	Di-n-octyl phthalate	180	UD	180	830	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200	D	120	830	ug/Kg
207-08-9	Benzo(k)fluoranthene	610	JD	140	830	ug/Kg
50-32-8	Benzo(a)pyrene	1700	D	110	830	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910	D	180	830	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	JD	130	830	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.2
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114262.D	2	05/11/19 08:49	05/14/19 19:18	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1300	D	150	830	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	UD	200	830	ug/Kg
123-91-1	1,4-Dioxane	300	UD	300	830	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	UD	110	830	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89		28 - 127	59%	SPK: 150
13127-88-3	Phenol-d6	100		34 - 127	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.3		31 - 132	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.2		39 - 123	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.5		30 - 133	59%	SPK: 150
1718-51-0	Terphenyl-d14	54.6		37 - 115	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	210433	6.86			
1146-65-2	Naphthalene-d8	827247	8.13			
15067-26-2	Acenaphthene-d10	390402	9.89			
1517-22-2	Phenanthrene-d10	777261	11.38			
1719-03-5	Chrysene-d12	589215	14.03			
1520-96-3	Perylene-d12	648846	15.51			

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-House Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040909.D	1	05/11/19 08:49	05/12/19 14:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.3	U	77.3	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.2	U	81.2	410	ug/Kg
95-48-7	2-Methylphenol	86.6	U	86.6	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	110	U	110	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.4	U	53.4	410	ug/Kg
78-59-1	Isophorone	45.2	U	45.2	410	ug/Kg
88-75-5	2-Nitrophenol	94.1	U	94.1	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68	U	68	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.4	U	63.4	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.2	U	63.2	410	ug/Kg
91-20-3	Naphthalene	61.3	U	61.3	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	74.9	U	74.9	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72.9	U	72.9	410	ug/Kg
91-57-6	2-Methylnaphthalene	75.8	U	75.8	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.6	U	74.6	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.9	U	72.9	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	92.9	U	92.9	410	ug/Kg
88-74-4	2-Nitroaniline	85.7	U	85.7	410	ug/Kg
131-11-3	Dimethylphthalate	350	J	62.3	410	ug/Kg
208-96-8	Acenaphthylene	73.9	U	73.9	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.1	U	87.1	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040909.D	1	05/11/19 08:49	05/12/19 14:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.6	U	83.6	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.6	U	79.6	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U J	100	410	ug/Kg
84-66-2	Diethylphthalate	77.9	U	77.9	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	62.8	U	62.8	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.1	U J	86.1	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.4	U	95.4	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.5	U	69.5	410	ug/Kg
118-74-1	Hexachlorobenzene	82	U	82	410	ug/Kg
1912-24-9	Atrazine	97.9	U	97.9	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	150	J	70.3	410	ug/Kg
120-12-7	Anthracene	68.7	U	68.7	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	230	J	61	410	ug/Kg
129-00-0	Pyrene	450		75.1	410	ug/Kg
85-68-7	Butylbenzylphthalate	78.7	U	78.7	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	170	J	46.4	410	ug/Kg
218-01-9	Chrysene	220	J	52.4	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	87.9	U	87.9	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	J	60	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	69.4	U	69.4	410	ug/Kg
50-32-8	Benzo(a)pyrene	150	J	54.7	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97.1	J	89.1	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.5	U	64.5	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BG040909.D	1	05/11/19 08:49	05/12/19 14:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	130	J	75.3	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.4	U	96.4	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.3	U	51.3	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	132		28 - 127	88%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		31 - 132	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		39 - 123	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		30 - 133	93%	SPK: 150
1718-51-0	Terphenyl-d14	68.3		37 - 115	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54344	8.13			
1146-65-2	Naphthalene-d8	226395	10.96			
15067-26-2	Acenaphthene-d10	170298	14.76			
1517-22-2	Phenanthrene-d10	426518	17.51			
1719-03-5	Chrysene-d12	431994	21.79			
1520-96-3	Perylene-d12	470419	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~760~~	~~J~~		~~3.22~~ R	ug/Kg
	~~unknown7.66~~	~~4400~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	600	J N		18.36	ug/Kg
000610-48-0	Anthracene, 1-methyl-	86.7	J N		18.56	ug/Kg
000781-43-1	9,10-Dimethylanthracene	86.7	J N		19.28	ug/Kg
000057-11-4	Octadecanoic acid	200	J N		19.62	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	190	J N		21.38	ug/Kg
000111-02-4	Squalene	250	J N		23.48	ug/Kg

6/12/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040909.D	1	05/11/19 08:49	05/12/19 14:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114190.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	76.3	U	76.3	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	80.2	U	80.2	400	ug/Kg
95-48-7	2-Methylphenol	85.5	U	85.5	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.7	U	52.7	400	ug/Kg
78-59-1	Isophorone	44.6	U	44.6	400	ug/Kg
88-75-5	2-Nitrophenol	92.9	U	92.9	400	ug/Kg
105-67-9	2,4-Dimethylphenol	67.2	U	67.2	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.6	U	62.6	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62.4	U	62.4	400	ug/Kg
91-20-3	Naphthalene	180	J	60.6	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	74	U	74	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72	U	72	400	ug/Kg
91-57-6	2-Methylnaphthalene	130	J	74.9	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.6	U	73.6	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72	U	72	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91.7	U	91.7	400	ug/Kg
88-74-4	2-Nitroaniline	84.6	U	84.6	400	ug/Kg
131-11-3	Dimethylphthalate	410		61.5	400	ug/Kg
208-96-8	Acenaphthylene	280	J	73	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	86	U	86	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114190.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82.5	U	82.5	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.6	U	78.6	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	77	U	77	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	62	U	62	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85	U	85	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.2	U	94.2	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.7	U	68.7	400	ug/Kg
118-74-1	Hexachlorobenzene	81	U	81	400	ug/Kg
1912-24-9	Atrazine	96.7	U	96.7	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	1700		69.5	400	ug/Kg
120-12-7	Anthracene	190	J	67.9	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	1700		60.2	400	ug/Kg
129-00-0	Pyrene	2900		74.1	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.7	U	77.7	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	1200		45.8	400	ug/Kg
218-01-9	Chrysene	1400		51.8	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		59.2	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	J	68.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	960		54	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	760		88	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	220	J	63.7	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114190.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	890		74.4	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.2	U	95.2	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.7	U	50.7	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	109		28 - 127	73%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.1		39 - 123	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	74.3		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	322669	6.85			
1146-65-2	Naphthalene-d8	1231540	8.13			
15067-26-2	Acenaphthene-d10	586981	9.89			
1517-22-2	Phenanthrene-d10	1174670	11.37			
1719-03-5	Chrysene-d12	711293	14.01			
1520-96-3	Perylene-d12	820478	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	~~Butane, 2-methoxy-2-methyl-~~ unknown	930	J		2.14	ug/Kg
	unknown6.63	3400	J		6.63	ug/Kg
65-85-0	Benzoic acid	300	J		7.86	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	560	J N		11.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	820	J N		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	720	J N		11.98	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	440	J N		12	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	480	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	500	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	570	J N		12.42	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	240	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	420	J N		12.51	ug/Kg
116196-83-9	~~4,4-Bis(tetrahydrothiopyran)~~ unknown	340	J		12.68	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114190.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002381-21-7	Pyrene, 1-methyl-	230	J N		13.03	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	230	J N		13.85	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	240	J N		14.16	ug/Kg
~~004325-77-3~~	~~Phenanthrene, 2-phenyl-~~ unknown	220	J		14.48	ug/Kg
	unknown15.16	230	J		15.16	ug/Kg
000192-97-2	Benzo[e]pyrene	940	J N		15.36	ug/Kg
~~056053-15-7~~	~~Curan-17-oic acid, 2,16-didehydro-~~ unknown	250	J		18.33	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020297.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.7	U	75.7	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	400	ug/Kg
95-57-8	2-Chlorophenol	79.6	U	79.6	400	ug/Kg
95-48-7	2-Methylphenol	84.8	U	84.8	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.3	U	52.3	400	ug/Kg
78-59-1	Isophorone	44.3	U	44.3	400	ug/Kg
88-75-5	2-Nitrophenol	92.2	U	92.2	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.6	U	66.6	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.1	U	62.1	400	ug/Kg
120-83-2	2,4-Dichlorophenol	61.9	U	61.9	400	ug/Kg
91-20-3	Naphthalene	60.1	U	60.1	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	73.4	U	73.4	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.4	U	71.4	400	ug/Kg
91-57-6	2-Methylnaphthalene	74.3	U	74.3	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73	U	73	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	71.4	U	71.4	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91	U	91	400	ug/Kg
88-74-4	2-Nitroaniline	84	U	84	400	ug/Kg
131-11-3	Dimethylphthalate	240	J	61	400	ug/Kg
208-96-8	Acenaphthylene	130	J	72.4	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.3	U	85.3	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020297.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	81.9	U	81.9	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	78	U	78	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	76.3	U	76.3	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.5	U	61.5	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	84.3	U	84.3	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.4	U	93.4	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.1	U	68.1	400	ug/Kg
118-74-1	Hexachlorobenzene	80.3	U	80.3	400	ug/Kg
1912-24-9	Atrazine	95.9	U	95.9	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	350	J	68.9	400	ug/Kg
120-12-7	Anthracene	67.3	U	67.3	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	520		59.7	400	ug/Kg
129-00-0	Pyrene	940		73.5	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.1	U	77.1	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	340	J	45.4	400	ug/Kg
218-01-9	Chrysene	450		51.4	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.1	U	86.1	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	400		58.7	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	68	400	ug/Kg
50-32-8	Benzo(a)pyrene	300	J	53.5	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	210	J	87.3	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.2	U	63.2	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BM020297.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	280	J	73.8	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.4	U	94.4	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.3	U	50.3	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		28 - 127	79%	SPK: 150
13127-88-3	Phenol-d6	113		34 - 127	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.8		31 - 132	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.8		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 - 133	85%	SPK: 150
1718-51-0	Terphenyl-d14	70.3		37 - 115	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55888	7.76			
1146-65-2	Naphthalene-d8	190882	10.56			
15067-26-2	Acenaphthene-d10	116929	14.41			
1517-22-2	Phenanthrene-d10	299819	17.16			
1719-03-5	Chrysene-d12	340393	21.34			
1520-96-3	Perylene-d12	405955	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3700	J		7.29	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	250	J		18.03	ug/Kg
000779-02-2	Anthracene, 9-methyl-	150	J		18.08	ug/Kg
000610-48-0	Anthracene, 1-methyl-	220	J		18.22	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	110	J		18.26	ug/Kg
035465-71-5	2-Phenylnaphthalene	130	J		18.54	ug/Kg
000084-65-1	9,10-Anthracenedione	160	J		18.59	ug/Kg
000781-43-1	9,10-Dimethylanthracene	190	J		18.95	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	150	J		19.1	ug/Kg
003442-78-2	Pyrene, 2-methyl-	83.7	J		20.24	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	99.8	J		20.99	ug/Kg
025732-74-5	~~Cyclopenta(cd)pyrene, 3,4-dihydro-~~ unknown	110	J		21.04	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	140	J		21.56	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020297.D	1	05/11/19 08:49	05/12/19 14:20	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~000111-02-4~~	~~2,6,10,14,18,22-Tetracosahexaene,~~	110	J		22.52	ug/Kg
000192-97-2	Benzo[e]pyrene	430	J N		23.43	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	50.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020309.D	1	05/11/19 08:49	05/12/19 21:30	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	670	ug/Kg
108-95-2	Phenol	130	U	130	670	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	210	670	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	670	ug/Kg
95-48-7	2-Methylphenol	140	U	140	670	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	670	ug/Kg
98-86-2	Acetophenone	190	U	190	670	ug/Kg
65794-96-9	3+4-Methylphenols	200	U	200	670	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	280	U	280	670	ug/Kg
67-72-1	Hexachloroethane	170	U	170	670	ug/Kg
98-95-3	Nitrobenzene	87.8	U	87.8	670	ug/Kg
78-59-1	Isophorone	74.3	U	74.3	670	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	670	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	670	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	670	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	670	ug/Kg
91-20-3	Naphthalene	100	U	100	670	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	670	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	670	ug/Kg
105-60-2	Caprolactam	230	U	230	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	670	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	670	ug/Kg
77-47-4	Hexachlorocyclopentadiene	450	U	450	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	670	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	670	ug/Kg
92-52-4	1,1-Biphenyl	210	U	210	670	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	670	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	670	ug/Kg
131-11-3	Dimethylphthalate	660	J	100	670	ug/Kg
208-96-8	Acenaphthylene	120	U	120	670	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	670	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	50.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020309.D	1	05/11/19 08:49	05/12/19 21:30	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	260	U	260	670	ug/Kg
83-32-9	Acenaphthene	140	U	140	670	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	670	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	670	ug/Kg
132-64-9	Dibenzofuran	180	U	180	670	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	670	ug/Kg
84-66-2	Diethylphthalate	130	U	130	670	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	670	ug/Kg
86-73-7	Fluorene	100	U	100	670	ug/Kg
100-01-6	4-Nitroaniline	180	U	180	670	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	670	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	160	670	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	670	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	670	ug/Kg
1912-24-9	Atrazine	160	U	160	670	ug/Kg
87-86-5	Pentachlorophenol	220	U	220	670	ug/Kg
85-01-8	Phenanthrene	120	U	120	670	ug/Kg
120-12-7	Anthracene	110	U	110	670	ug/Kg
86-74-8	Carbazole	180	U	180	670	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	200	670	ug/Kg
206-44-0	Fluoranthene	100	U	100	670	ug/Kg
129-00-0	Pyrene	120	U	120	670	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	670	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	300	670	ug/Kg
56-55-3	Benzo(a)anthracene	76.2	U	76.2	670	ug/Kg
218-01-9	Chrysene	86.2	U	86.2	670	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	670	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	98.5	U	98.5	670	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	670	ug/Kg
50-32-8	Benzo(a)pyrene	89.8	U	89.8	670	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	670	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	670	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	50.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020309.D	1	05/11/19 08:49	05/12/19 21:30	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	120	U	120	670	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	160	670	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	670	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.3	U	84.3	670	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.8		28 - 127	65%	SPK: 150
13127-88-3	Phenol-d6	98.3		34 - 127	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.5		31 - 132	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.5		39 - 123	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.8		30 - 133	60%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		37 - 115	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73733	7.76			
1146-65-2	Naphthalene-d8	269297	10.55			
15067-26-2	Acenaphthene-d10	172907	14.41			
1517-22-2	Phenanthrene-d10	415528	17.16			
1719-03-5	Chrysene-d12	434054	21.35			
1520-96-3	Perylene-d12	498213	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
000108-88-3	Toluene	900	J N		3.98	ug/Kg
	unknown7.29	5400	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	1400	J N		18.04	ug/Kg
052663-72-6	1,1-Biphenyl, 2,3,4,4,5,5-hexa	830	J N		20.06	ug/Kg
002136-70-1	Ethanol, 2-(tetradecyloxy)-	2100	J N		21.04	ug/Kg
074685-33-9	3-Eicosene, (E)-	4300	J N		21.94	ug/Kg
000629-94-7	Heneicosane	1900	J N		22.91	ug/Kg
077899-03-7	1-Heneicosyl formate	2900	J N		22.96	ug/Kg
000544-77-4	Hexadecane, 1-iodo-	1400	J N		24.14	ug/Kg
~~000506-52-5~~	~~1-Hexacosanol~~ unknown	1700	J		24.24	ug/Kg
017600-99-6	2-Nonacosanone	890	J N		24.35	ug/Kg
	unknown24.52	930	J		24.52	ug/Kg
015594-90-8	1-Heneicosanol	900	J N		25.97	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	50.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020309.D	1	05/11/19 08:49	05/12/19 21:30	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~007796-19-2~~	~~2-Heptacosanone~~ unknown	1800	J		26.11	ug/Kg
000083-47-6	.gamma.-Sitosterol	1400	J N		26.75	ug/Kg
	unknown26.94	2100	J		26.94	ug/Kg
~~1000140-07-7~~	~~1,4-Dimethyl-8-isopropylidenetricy~~ unknown	2100	J		27.34	ug/Kg
	unknown27.61	1400	J		27.61	ug/Kg
~~001059-14-9~~	Taraxasterol unknown	2000	J		28.08	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114223.D	1	05/11/19 08:49	05/13/19 12:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	770	ug/Kg
108-95-2	Phenol	150	U	150	770	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	240	U	240	770	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	770	ug/Kg
95-48-7	2-Methylphenol	160	U	160	770	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	770	ug/Kg
98-86-2	Acetophenone	220	U	220	770	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	320	U	320	770	ug/Kg
67-72-1	Hexachloroethane	200	U	200	770	ug/Kg
98-95-3	Nitrobenzene	100	U	100	770	ug/Kg
78-59-1	Isophorone	86	U	86	770	ug/Kg
88-75-5	2-Nitrophenol	180	U	180	770	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	770	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	770	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	770	ug/Kg
91-20-3	Naphthalene	120	U	120	770	ug/Kg
106-47-8	4-Chloroaniline	320	U J	320	770	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	770	ug/Kg
105-60-2	Caprolactam	260	U	260	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	770	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	770	ug/Kg
77-47-4	Hexachlorocyclopentadiene	520	U	520	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	770	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	770	ug/Kg
92-52-4	1,1-Biphenyl	240	U	240	770	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	180	770	ug/Kg
88-74-4	2-Nitroaniline	160	U	160	770	ug/Kg
131-11-3	Dimethylphthalate	610	J	120	770	ug/Kg
208-96-8	Acenaphthylene	140	U	140	770	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	170	770	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114223.D	1	05/11/19 08:49	05/13/19 12:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	300	U	300	770	ug/Kg
83-32-9	Acenaphthene	160	U	160	770	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	770	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	770	ug/Kg
132-64-9	Dibenzofuran	210	U	210	770	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	200	770	ug/Kg
84-66-2	Diethylphthalate	150	U	150	770	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	200	770	ug/Kg
86-73-7	Fluorene	120	U	120	770	ug/Kg
100-01-6	4-Nitroaniline	210	U J	210	770	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	770	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	770	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	770	ug/Kg
1912-24-9	Atrazine	190	U	190	770	ug/Kg
87-86-5	Pentachlorophenol	250	U	250	770	ug/Kg
85-01-8	Phenanthrene	130	U	130	770	ug/Kg
120-12-7	Anthracene	130	U	130	770	ug/Kg
86-74-8	Carbazole	210	U	210	770	ug/Kg
84-74-2	Di-n-butylphthalate	230	U	230	770	ug/Kg
206-44-0	Fluoranthene	120	U	120	770	ug/Kg
129-00-0	Pyrene	140	U	140	770	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	770	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U J	350	770	ug/Kg
56-55-3	Benzo(a)anthracene	88.2	U	88.2	770	ug/Kg
218-01-9	Chrysene	99.8	U	99.8	770	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220	U	220	770	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U J	170	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	770	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	130	770	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	770	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	170	770	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	770	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114223.D	1	05/11/19 08:49	05/13/19 12:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	140	U	140	770	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	770	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	770	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.7	U	97.7	770	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	49.9		28 - 127	33%	SPK: 150
13127-88-3	Phenol-d6	54.7		34 - 127	36%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.1		31 - 132	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.9	*	39 - 123	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	53.2		30 - 133	35%	SPK: 150
1718-51-0	Terphenyl-d14	37		37 - 115	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	295702	6.85			
1146-65-2	Naphthalene-d8	1171100	8.13			
15067-26-2	Acenaphthene-d10	565350	9.89			
1517-22-2	Phenanthrene-d10	1108240	11.37			
1719-03-5	Chrysene-d12	710078	14.02			
1520-96-3	Perylene-d12	688344	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000108-88-3	Toluene	1100	J		3.92	ug/Kg
	unknown6.63	3200	J		6.63	ug/Kg
65-85-0	Benzoic acid	580	J		7.86	ug/Kg
000057-10-3	n-Hexadecanoic acid	1700	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	1900	J		12.69	ug/Kg
068194-13-8	2,2,3,4,5,6-Hexachloro-1,1-biph	1100	J		13.14	ug/Kg
000646-31-1	Tetracosane	1500	J		13.18	ug/Kg
059291-65-5	2,3,4,4,5,6-Hexachloro-1,1-bip	1200	J		13.33	ug/Kg
035694-06-5	1,1-Biphenyl, 2,2,3,4,4,5-hexac	1500	J		13.54	ug/Kg
052663-71-5	1,1-Biphenyl, 2,2,3,3,4,4,6-he	880	J		13.65	ug/Kg
1000309-12-7	Sulfurous acid, octadecyl 2-propyl	7500	J		13.86	ug/Kg
1000309-12-6	Sulfurous acid, pentadecyl 2-propy	940	J		14.18	ug/Kg
002425-77-6	1-Decanol, 2-hexyl-	10100	J		14.5	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114223.D	1	05/11/19 08:49	05/13/19 12:47	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007225-64-1	Heptadecane, 9-octyl-	1600	J N		15.14	ug/Kg
~~032281-85-9~~	~~Cyclopentane, 2-isopropyl-1,3-dime~~ unknown	1500	J		15.17	ug/Kg
000638-66-4	Octadecanal	800	J N		15.72	ug/Kg
000629-94-7	Heneicosane	1200	J N		15.96	ug/Kg
000506-51-4	n-Tetracosanol-1	1000	J N		16.02	ug/Kg
007390-81-0	Oxirane, hexadecyl-	820	J N		16.76	ug/Kg
~~000489-39-4~~	Aromandendrene unknown	970	J		17.64	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2766
Lab Sample ID:	K2766-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	55
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114239.D	1	05/11/19 08:49	05/13/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	U	220	730	ug/Kg
108-95-2	Phenol	140	U	140	730	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	230	730	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	730	ug/Kg
95-48-7	2-Methylphenol	160	U	160	730	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	730	ug/Kg
98-86-2	Acetophenone	210	U	210	730	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	730	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	300	U	300	730	ug/Kg
67-72-1	Hexachloroethane	190	U	190	730	ug/Kg
98-95-3	Nitrobenzene	96.1	U	96.1	730	ug/Kg
78-59-1	Isophorone	81.3	U	81.3	730	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	730	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	730	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	730	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	730	ug/Kg
91-20-3	Naphthalene	110	U	110	730	ug/Kg
106-47-8	4-Chloroaniline	310	U	310	730	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	730	ug/Kg
105-60-2	Caprolactam	250	U	250	730	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	130	730	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	730	ug/Kg
77-47-4	Hexachlorocyclopentadiene	490	U	490	730	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	730	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	730	ug/Kg
92-52-4	1,1-Biphenyl	230	U	230	730	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	170	730	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	730	ug/Kg
131-11-3	Dimethylphthalate	950		110	730	ug/Kg
208-96-8	Acenaphthylene	130	U	130	730	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	160	730	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2766
Lab Sample ID:	K2766-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	55
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114239.D	1	05/11/19 08:49	05/13/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	290	U	290	730	ug/Kg
83-32-9	Acenaphthene	150	U	150	730	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	730	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	730	ug/Kg
132-64-9	Dibenzofuran	200	U	200	730	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	730	ug/Kg
84-66-2	Diethylphthalate	140	U	140	730	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	180	730	ug/Kg
86-73-7	Fluorene	110	U	110	730	ug/Kg
100-01-6	4-Nitroaniline	190	U	190	730	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	730	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	730	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	730	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	730	ug/Kg
1912-24-9	Atrazine	180	U	180	730	ug/Kg
87-86-5	Pentachlorophenol	240	U	240	730	ug/Kg
85-01-8	Phenanthrene	130	U	130	730	ug/Kg
120-12-7	Anthracene	120	U	120	730	ug/Kg
86-74-8	Carbazole	200	U	200	730	ug/Kg
84-74-2	Di-n-butylphthalate	220	U	220	730	ug/Kg
206-44-0	Fluoranthene	110	U	110	730	ug/Kg
129-00-0	Pyrene	130	U	130	730	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	730	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	730	ug/Kg
56-55-3	Benzo(a)anthracene	83.4	U	83.4	730	ug/Kg
218-01-9	Chrysene	94.3	U	94.3	730	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	200	730	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	730	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	730	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	730	ug/Kg
50-32-8	Benzo(a)pyrene	98.3	U	98.3	730	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	730	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	730	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2766
Lab Sample ID:	K2766-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	55
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114239.D	1	05/11/19 08:49	05/13/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	140	U	140	730	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	170	730	ug/Kg
123-91-1	1,4-Dioxane	260	U	260	730	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.3	U	92.3	730	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.9		28 - 127	60%	SPK: 150
13127-88-3	Phenol-d6	98		34 - 127	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.2		31 - 132	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.3		39 - 123	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.5		30 - 133	56%	SPK: 150
1718-51-0	Terphenyl-d14	53.6		37 - 115	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	250214	6.86			
1146-65-2	Naphthalene-d8	958507	8.13			
15067-26-2	Acenaphthene-d10	437684	9.89			
1517-22-2	Phenanthrene-d10	770322	11.37			
1719-03-5	Chrysene-d12	535424	14.02			
1520-96-3	Perylene-d12	506213	15.52			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.63	4900	J		6.63	ug/Kg
65-85-0	Benzoic acid	580	J		7.87	ug/Kg
038380-04-0	1,1-Biphenyl, 2,2,3,4,5,6-hexa	1500	J N		13.15	ug/Kg
013187-99-0	2-Bromo dodecane	1500	J N		13.19	ug/Kg
074472-46-1	2,3,3,5,5,6-Hexachloro-1,1-biph	1400	J N		13.33	ug/Kg
074472-50-7	2,3,3,4,4,5,6-Heptachloro-1,1-	1200	J N		13.65	ug/Kg
110225-00-8	1-Dodecanol, 2-hexyl-	9600	J N		13.86	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	1200	J N		14.18	ug/Kg
1000309-12-7	Sulfurous acid, octadecyl 2-propyl	12900	J N		14.5	ug/Kg
000112-95-8	Eicosane	2500	J N		15.14	ug/Kg
	unknown15.17	2700	J		15.17	ug/Kg
007796-19-2	~~2-Heptacosanone~~ UNKNOWN	1100	J		15.23	ug/Kg
000638-66-4	Octadecanal	1500	J N		15.73	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2766
Lab Sample ID:	K2766-14	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	55
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114239.D	1	05/11/19 08:49	05/13/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000646-31-1	Tetracosane	1500	J N		15.96	ug/Kg
002136-70-1	Ethanol, 2-(tetradecyloxy)- unknown	1100	J		16.02	ug/Kg
075207-54-4	2-Pentacosanone unknown	1200	J		16.09	ug/Kg
056554-86-0	17-Octadecenal	1700	J N		16.76	ug/Kg
000629-66-3	2-Nonadecanone unknown	1300	J N		17.25	ug/Kg
1000140-07-7	1,4-Dimethyl-8-isopropylidenetricy-	1700	J		17.66	ug/Kg
001192-22-9	Oxirane, 3-ethyl-2,2-dimethyl- unknown	1400	J		18.88	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.5
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020320.D	1	05/11/19 08:49	05/13/19 17:33	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.5	U	77.5	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.5	U	81.5	410	ug/Kg
95-48-7	2-Methylphenol	86.8	U	86.8	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.6	U	53.6	410	ug/Kg
78-59-1	Isophorone	45.3	U	45.3	410	ug/Kg
88-75-5	2-Nitrophenol	94.4	U J	94.4	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.3	U	68.3	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.6	U	63.6	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.4	U	63.4	410	ug/Kg
91-20-3	Naphthalene	61.5	U	61.5	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.1	U	75.1	410	ug/Kg
105-60-2	Caprolactam	140	U J	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.2	U	73.2	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.1	U	76.1	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.1	U	73.1	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.2	U	93.2	410	ug/Kg
88-74-4	2-Nitroaniline	86	U	86	410	ug/Kg
131-11-3	Dimethylphthalate	430		62.5	410	ug/Kg
208-96-8	Acenaphthylene	74.2	U	74.2	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.5
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020320.D	1	05/11/19 08:49	05/13/19 17:33	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.9	U	83.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U J	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.9	U	79.9	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.2	U	78.2	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63	U	63	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.3	U J	86.3	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.7	U	95.7	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.8	U	69.8	410	ug/Kg
118-74-1	Hexachlorobenzene	82.3	U	82.3	410	ug/Kg
1912-24-9	Atrazine	98.2	U	98.2	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	70.6	U	70.6	410	ug/Kg
120-12-7	Anthracene	68.9	U	68.9	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	61.2	U	61.2	410	ug/Kg
129-00-0	Pyrene	75.3	U	75.3	410	ug/Kg
85-68-7	Butylbenzylphthalate	78.9	U J	78.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	46.5	U	46.5	410	ug/Kg
218-01-9	Chrysene	52.6	U	52.6	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.2	U J	88.2	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.2	U	60.2	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	69.7	U	69.7	410	ug/Kg
50-32-8	Benzo(a)pyrene	54.8	U	54.8	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.4	U	89.4	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.7	U	64.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.5
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020320.D	1	05/11/19 08:49	05/13/19 17:33	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	75.6	U	75.6	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.7	U	96.7	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.5	U	51.5	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		28 - 127	71%	SPK: 150
13127-88-3	Phenol-d6	102		34 - 127	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.2		31 - 132	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.1		39 - 123	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 - 133	73%	SPK: 150
1718-51-0	Terphenyl-d14	58.6		37 - 115	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41301	7.76			
1146-65-2	Naphthalene-d8	138402	10.55			
15067-26-2	Acenaphthene-d10	90713	14.4			
1517-22-2	Phenanthrene-d10	223442	17.16			
1719-03-5	Chrysene-d12	237722	21.34			
1520-96-3	Perylene-d12	267308	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3600	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		18.04	ug/Kg
041464-51-1	1,1-Biphenyl, 2,2,3,4,5-Pentach	120	J		19.07	ug/Kg
068194-15-0	1,1-Biphenyl, 2,2,3,4,5,6-Hexac	330	J		20.06	ug/Kg
038411-22-2	1,1-Biphenyl, 2,2,3,3,6,6-hexa	220	J		20.34	ug/Kg
035065-28-2	1,1-Biphenyl, 2,2,3,4,4,5-hexa	190	J		20.66	ug/Kg
035065-29-3	1,1-Biphenyl, 2,2,3,4,4,5,5-he	110	J		20.8	ug/Kg
035507-09-6	7-Hexadecene, (Z)-	900	J		21.04	ug/Kg
000112-95-8	Eicosane	100	J		21.48	ug/Kg
040186-70-7	2,2,3,3,4,5,6-Heptachlorobiphen	140	J		21.67	ug/Kg
000630-03-5	Nonacosane	580	J		21.92	ug/Kg
000294-62-2	Cyclododecane	1100	J		21.94	ug/Kg
000544-76-3	Hexadecane	170	J		22.39	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.5
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020320.D	1	05/11/19 08:49	05/13/19 17:33	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007390-81-0	~~Oxirane, hexadecyl-~~ UNKNOWN	130	J		22.63	ug/Kg
000629-94-7	Heneicosane	520	J N		22.9	ug/Kg
074685-29-3	9-Eicosene, (E)-	700	J N		22.96	ug/Kg
013287-24-6	Nonadecane, 9-methyl-	360	J N		24.14	ug/Kg
018435-45-5	1-Nonadecene	430	J N		24.24	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040881.D	1	05/11/19 08:49	05/11/19 19:51	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.4	U	72.4	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.2	U	76.2	380	ug/Kg
95-48-7	2-Methylphenol	81.1	U	81.1	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	97.4	U	97.4	380	ug/Kg
98-95-3	Nitrobenzene	50.1	U	50.1	380	ug/Kg
78-59-1	Isophorone	42.4	U	42.4	380	ug/Kg
88-75-5	2-Nitrophenol	88.2	U J	88.2	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.8	U	63.8	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.4	U	59.4	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.3	U	59.3	380	ug/Kg
91-20-3	Naphthalene	57.5	U	57.5	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.2	U	70.2	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.4	U	68.4	380	ug/Kg
91-57-6	2-Methylnaphthalene	71.1	U	71.1	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69.9	U	69.9	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.3	U	68.3	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.1	U	87.1	380	ug/Kg
88-74-4	2-Nitroaniline	80.3	U	80.3	380	ug/Kg
131-11-3	Dimethylphthalate	260	J	58.4	380	ug/Kg
208-96-8	Acenaphthylene	69.3	U	69.3	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	81.7	U	81.7	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040881.D	1	05/11/19 08:49	05/11/19 19:51	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.4	U	78.4	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UJ	100	380	ug/Kg
100-02-7	4-Nitrophenol	74.6	U	74.6	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.1	UJ	96.1	380	ug/Kg
84-66-2	Diethylphthalate	73.1	U	73.1	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.4	U	96.4	380	ug/Kg
86-73-7	Fluorene	58.9	U	58.9	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.7	UJ	80.7	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.4	U	89.4	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.2	U	65.2	380	ug/Kg
118-74-1	Hexachlorobenzene	76.9	U	76.9	380	ug/Kg
1912-24-9	Atrazine	91.8	U	91.8	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.9	U	65.9	380	ug/Kg
120-12-7	Anthracene	64.4	U	64.4	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	57.2	U	57.2	380	ug/Kg
129-00-0	Pyrene	70.4	U	70.4	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.7	U	73.7	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43.5	U	43.5	380	ug/Kg
218-01-9	Chrysene	49.2	U	49.2	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.4	U	82.4	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.2	U	56.2	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.1	U	65.1	380	ug/Kg
50-32-8	Benzo(a)pyrene	51.2	U	51.2	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.5	U	60.5	380	ug/Kg

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4

Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040881.D	1	05/11/19 08:49	05/11/19 19:51	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	70.6	U	70.6	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.4	U	90.4	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.1	U	48.1	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.4		28 - 127	52%	SPK: 150
13127-88-3	Phenol-d6	76.8		34 - 127	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.2		31 - 132	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.7		39 - 123	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 - 133	95%	SPK: 150
1718-51-0	Terphenyl-d14	81.4		37 - 115	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54832	8.13			
1146-65-2	Naphthalene-d8	230551	10.96			
15067-26-2	Acenaphthene-d10	171844	14.76			
1517-22-2	Phenanthrene-d10	464536	17.51			
1719-03-5	Chrysene-d12	472676	21.79			
1520-96-3	Perylene-d12	501785	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl	230	J		3.22 R	ug/Kg
	unknown7.65	2400	J		7.65	ug/Kg
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	90.9	J N		13.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J N		18.36	ug/Kg
001454-85-9	n-Heptadecanol-1	190	J N		19.21	ug/Kg
000057-11-4	Octadecanoic acid	110	J N		19.62	ug/Kg
006971-40-0	17-Pentatriacontene	280	J N		21.39	ug/Kg
000629-78-7	Heptadecane	81.7	J N		23.28	ug/Kg
000111-02-4	Squalene	170	J N		23.48	ug/Kg

6/12/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040881.D	1	05/11/19 08:49	05/11/19 19:51	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114163.D	1	05/11/19 08:49	05/11/19 20:02	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.2	U	73.2	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	76.9	U	76.9	390	ug/Kg
95-48-7	2-Methylphenol	82	U	82	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.3	U	98.3	390	ug/Kg
98-95-3	Nitrobenzene	50.6	U	50.6	390	ug/Kg
78-59-1	Isophorone	42.8	U	42.8	390	ug/Kg
88-75-5	2-Nitrophenol	89.1	U	89.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.4	U	64.4	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60	U	60	390	ug/Kg
120-83-2	2,4-Dichlorophenol	59.9	U	59.9	390	ug/Kg
91-20-3	Naphthalene	58.1	U	58.1	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	70.9	U	70.9	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.1	U	69.1	390	ug/Kg
91-57-6	2-Methylnaphthalene	71.8	U	71.8	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.6	U	70.6	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69	U	69	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88	U	88	390	ug/Kg
88-74-4	2-Nitroaniline	81.2	U	81.2	390	ug/Kg
131-11-3	Dimethylphthalate	540		59	390	ug/Kg
208-96-8	Acenaphthylene	70	U	70	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.5	U	82.5	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114163.D	1	05/11/19 08:49	05/11/19 20:02	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.1	U	79.1	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.4	U	75.4	390	ug/Kg
132-64-9	Dibenzofuran	100	U	100	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.1	U	97.1	390	ug/Kg
84-66-2	Diethylphthalate	73.8	U	73.8	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.4	U	97.4	390	ug/Kg
86-73-7	Fluorene	59.5	U	59.5	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.5	U	81.5	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.3	U	90.3	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.8	U	65.8	390	ug/Kg
118-74-1	Hexachlorobenzene	77.6	U	77.6	390	ug/Kg
1912-24-9	Atrazine	92.7	U	92.7	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	66.6	U	66.6	390	ug/Kg
120-12-7	Anthracene	65.1	U	65.1	390	ug/Kg
86-74-8	Carbazole	100	U	100	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	57.7	U	57.7	390	ug/Kg
129-00-0	Pyrene	71.1	U	71.1	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.5	U	74.5	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	43.9	U	43.9	390	ug/Kg
218-01-9	Chrysene	49.7	U	49.7	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.2	U	83.2	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.8	U	56.8	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.7	U	65.7	390	ug/Kg
50-32-8	Benzo(a)pyrene	51.8	U	51.8	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.4	U	84.4	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.1	U	61.1	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114163.D	1	05/11/19 08:49	05/11/19 20:02	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.3	U	71.3	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.3	U	91.3	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.6	U	48.6	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	114		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.9		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	71		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	57.8		37 - 115	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	234150	6.85			
1146-65-2	Naphthalene-d8	933600	8.13			
15067-26-2	Acenaphthene-d10	456962	9.88			
1517-22-2	Phenanthrene-d10	952639	11.36			
1719-03-5	Chrysene-d12	848475	14			
1520-96-3	Perylene-d12	905758	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	3400	J		6.62	ug/Kg
000108-46-3	Resorcinol	78.2	J		8.59	ug/Kg
1000309-18-4	~~Sulfurous acid, butyl-heptadecyl-c~~ unknown	140	J		11.82	ug/Kg
000057-10-3	n-Hexadecanoic acid	800	J		11.89	ug/Kg
1000193-06-8	~~14-Oxatricyclo[9.2.1.0(1,10)]tetr~~ unknown	100	J		12.04	ug/Kg
000057-11-4	Octadecanoic acid	440	J		12.67	ug/Kg
074685-30-6	5-Eicosene, (E)-	1400	J		13.84	ug/Kg
007098-22-8	Tetratetracontane	110	J		14.17	ug/Kg
000629-62-9	Pentadecane	440	J		14.48	ug/Kg
000630-02-4	Octacosane	180	J		14.74	ug/Kg
000111-02-4	Squalene	200	J		14.86	ug/Kg
000630-01-3	Hexacosane	320	J		15.12	ug/Kg
002004-39-9	1-Heptacosanol	130	J		15.99	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114163.D	1	05/11/19 08:49	05/11/19 20:02	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
300574-36-1	5-Bromo-4-oxo-4,5,6,7-tetrahydrobe unknown	280	J		18.08	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
Q = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020306.D	1	05/11/19 08:49	05/12/19 19:42	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.9	U	72.9	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.7	U	76.7	380	ug/Kg
95-48-7	2-Methylphenol	81.7	U	81.7	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	98	U	98	380	ug/Kg
98-95-3	Nitrobenzene	50.4	U	50.4	380	ug/Kg
78-59-1	Isophorone	42.6	U	42.6	380	ug/Kg
88-75-5	2-Nitrophenol	88.8	U	88.8	380	ug/Kg
105-67-9	2,4-Dimethylphenol	64.2	U	64.2	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.9	U	59.9	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.7	U	59.7	380	ug/Kg
91-20-3	Naphthalene	170	J	57.9	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.7	U	70.7	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.8	U	68.8	380	ug/Kg
91-57-6	2-Methylnaphthalene	100	J	71.6	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.4	U	70.4	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.8	U	68.8	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.7	U	87.7	380	ug/Kg
88-74-4	2-Nitroaniline	80.9	U	80.9	380	ug/Kg
131-11-3	Dimethylphthalate	490		58.8	380	ug/Kg
208-96-8	Acenaphthylene	780		69.8	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.2	U	82.2	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020306.D	1	05/11/19 08:49	05/12/19 19:42	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.9	U	78.9	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	75.1	U	75.1	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.8	U	96.8	380	ug/Kg
84-66-2	Diethylphthalate	73.6	U	73.6	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.1	U	97.1	380	ug/Kg
86-73-7	Fluorene	59.3	U	59.3	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.2	U	81.2	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90	U	90	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.6	U	65.6	380	ug/Kg
118-74-1	Hexachlorobenzene	77.4	U	77.4	380	ug/Kg
1912-24-9	Atrazine	92.4	U	92.4	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	1800		66.4	380	ug/Kg
120-12-7	Anthracene	480		64.9	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	3000		57.6	380	ug/Kg
129-00-0	Pyrene * 4400	5200 ~~E~~		70.9	380	ug/Kg
85-68-7	Butylbenzylphthalate	74.2	U	74.2	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	1900		43.7	380	ug/Kg
218-01-9	Chrysene	2300		49.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.9	U	82.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		56.6	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	540		65.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	1500		51.6	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	J	84.1	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	J	60.9	380	ug/Kg

* 2XDIF — value transferred from dilution analysis — 5/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020306.D	1	05/11/19 08:49	05/12/19 19:42	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1400		71.1	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91	U	91	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.4	U	48.4	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124		28 - 127	83%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.6		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.2		39 - 123	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		30 - 133	84%	SPK: 150
1718-51-0	Terphenyl-d14	53.1		37 - 115	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62597	7.76			
1146-65-2	Naphthalene-d8	207315	10.56			
15067-26-2	Acenaphthene-d10	128407	14.41			
1517-22-2	Phenanthrene-d10	323757	17.16			
1719-03-5	Chrysene-d12	392877	21.36			
1520-96-3	Perylene-d12	485317	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3900	J		7.29	ug/Kg
000605-02-7	Naphthalene, 1-phenyl-	230	J N		17.67	ug/Kg
007372-88-5	Dibenzothiophene, 4-methyl- unknown	240	J		17.74	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	880	J N		18.03	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	820	J N		18.08	ug/Kg
107426-38-0	Naphtho[2,3-b]norbornadiene unknown	1200	J		18.23	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	600	J N		18.27	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	680	J N		18.54	ug/Kg
000084-65-1	9,10-Anthracenedione	780	J N		18.59	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	990	J N		18.95	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	880	J N		19.1	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	250	J N		21.56	ug/Kg
125529-10-4	7,11-Dimethyldodeca-2,6,10-trien-1 unknown	240	J		22.52	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020306.D	1	05/11/19 08:49	05/12/19 19:42	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown22.57	480	J		22.57	ug/Kg
000192-97-2	Benzo[e]pyrene	2700	J N		23.44	ug/Kg
~~024471-47-4~~	~~Perylene, 3-methyl~~ unknown	300	J		24.14	ug/Kg
	unknown24.53	510	J		24.53	ug/Kg
000213-46-7	1,2:7,8-Dibenzophenanthrene	630	J N		26.33	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-18DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114263.D	2	05/11/19 08:49	05/14/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	UD	230	770	ug/Kg
108-95-2	Phenol	150	UD	150	770	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	240	UD	240	770	ug/Kg
95-57-8	2-Chlorophenol	150	UD	150	770	ug/Kg
95-48-7	2-Methylphenol	160	UD	160	770	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	UD	210	770	ug/Kg
98-86-2	Acetophenone	220	UD	220	770	ug/Kg
65794-96-9	3+4-Methylphenols	230	UD	230	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	320	UD	320	770	ug/Kg
67-72-1	Hexachloroethane	200	UD	200	770	ug/Kg
98-95-3	Nitrobenzene	100	UD	100	770	ug/Kg
78-59-1	Isophorone	85.3	UD	85.3	770	ug/Kg
88-75-5	2-Nitrophenol	180	UD	180	770	ug/Kg
105-67-9	2,4-Dimethylphenol	130	UD	130	770	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	UD	120	770	ug/Kg
120-83-2	2,4-Dichlorophenol	120	UD	120	770	ug/Kg
91-20-3	Naphthalene	210	JD	120	770	ug/Kg
106-47-8	4-Chloroaniline	320	UD	320	770	ug/Kg
87-68-3	Hexachlorobutadiene	140	UD	140	770	ug/Kg
105-60-2	Caprolactam	260	UD	260	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	UD	140	770	ug/Kg
91-57-6	2-Methylnaphthalene	140	UD	140	770	ug/Kg
77-47-4	Hexachlorocyclopentadiene	520	UD	520	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	UD	140	770	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	UD	140	770	ug/Kg
92-52-4	1,1-Biphenyl	240	UD	240	770	ug/Kg
91-58-7	2-Chloronaphthalene	180	UD	180	770	ug/Kg
88-74-4	2-Nitroaniline	160	UD	160	770	ug/Kg
131-11-3	Dimethylphthalate	620	JD	120	770	ug/Kg
208-96-8	Acenaphthylene	480	JD	140	770	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	UD	160	770	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-18DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114263.D	2	05/11/19 08:49	05/14/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	300	UD	300	770	ug/Kg
83-32-9	Acenaphthene	160	UD	160	770	ug/Kg
51-28-5	2,4-Dinitrophenol	200	UD	200	770	ug/Kg
100-02-7	4-Nitrophenol	150	UD	150	770	ug/Kg
132-64-9	Dibenzofuran	210	UD	210	770	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	UD	190	770	ug/Kg
84-66-2	Diethylphthalate	150	UD	150	770	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	UD	190	770	ug/Kg
86-73-7	Fluorene	120	UD	120	770	ug/Kg
100-01-6	4-Nitroaniline	200	UD	200	770	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	UD	160	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	UD	180	770	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	UD	130	770	ug/Kg
118-74-1	Hexachlorobenzene	150	UD	150	770	ug/Kg
1912-24-9	Atrazine	180	UD	180	770	ug/Kg
87-86-5	Pentachlorophenol	250	UD	250	770	ug/Kg
85-01-8	Phenanthrene	2100	D	130	770	ug/Kg
120-12-7	Anthracene	360	JD	130	770	ug/Kg
86-74-8	Carbazole	210	UD	210	770	ug/Kg
84-74-2	Di-n-butylphthalate	230	UD	230	770	ug/Kg
206-44-0	Fluoranthene	2800	D	120	770	ug/Kg
129-00-0	Pyrene	4400	D	140	770	ug/Kg
85-68-7	Butylbenzylphthalate	150	UD	150	770	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	UD	340	770	ug/Kg
56-55-3	Benzo(a)anthracene	2100	D	87.5	770	ug/Kg
218-01-9	Chrysene	2500	D	99	770	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	UD	210	770	ug/Kg
117-84-0	Di-n-octyl phthalate	170	UD	170	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	D	110	770	ug/Kg
207-08-9	Benzo(k)fluoranthene	560	JD	130	770	ug/Kg
50-32-8	Benzo(a)pyrene	1700	D	100	770	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920	D	170	770	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	JD	120	770	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01DL	SDG No.:	K2766
Lab Sample ID:	K2766-18DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114263.D	2	05/11/19 08:49	05/14/19 19:45	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1300	D	140	770	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	UD	180	770	ug/Kg
123-91-1	1,4-Dioxane	270	UD	270	770	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.9	UD	96.9	770	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		28 - 127	82%	SPK: 150
13127-88-3	Phenol-d6	137		34 - 127	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.3		39 - 123	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 - 133	71%	SPK: 150
1718-51-0	Terphenyl-d14	69.2		37 - 115	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	231519	6.86			
1146-65-2	Naphthalene-d8	899944	8.13			
15067-26-2	Acenaphthene-d10	400314	9.89			
1517-22-2	Phenanthrene-d10	717058	11.38			
1719-03-5	Chrysene-d12	530462	14.03			
1520-96-3	Perylene-d12	606759	15.51			

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.3
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114206.D	10	05/11/19 08:49	05/12/19 21:16	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100	U	1100	3700	ug/Kg
108-95-2	Phenol	700	U	700	3700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200	U	1200	3700	ug/Kg
95-57-8	2-Chlorophenol	740	U	740	3700	ug/Kg
95-48-7	2-Methylphenol	790	U	790	3700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990	U	990	3700	ug/Kg
98-86-2	Acetophenone	1000	U	1000	3700	ug/Kg
65794-96-9	3+4-Methylphenols	1100	U	1100	3700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500	U	1500	3700	ug/Kg
67-72-1	Hexachloroethane	940	U	940	3700	ug/Kg
98-95-3	Nitrobenzene	490	U	490	3700	ug/Kg
78-59-1	Isophorone	410	U	410	3700	ug/Kg
88-75-5	2-Nitrophenol	860	U	860	3700	ug/Kg
105-67-9	2,4-Dimethylphenol	620	U	620	3700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	580	U	580	3700	ug/Kg
120-83-2	2,4-Dichlorophenol	580	U	580	3700	ug/Kg
91-20-3	Naphthalene	560	U	560	3700	ug/Kg
106-47-8	4-Chloroaniline	1500	U	1500	3700	ug/Kg
87-68-3	Hexachlorobutadiene	680	U	680	3700	ug/Kg
105-60-2	Caprolactam	1300	U	1300	3700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	660	U	660	3700	ug/Kg
91-57-6	2-Methylnaphthalene	690	U	690	3700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	U	2500	3700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	680	U	680	3700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	660	U	660	3700	ug/Kg
92-52-4	1,1-Biphenyl	1200	U	1200	3700	ug/Kg
91-58-7	2-Chloronaphthalene	850	U	850	3700	ug/Kg
88-74-4	2-Nitroaniline	780	U	780	3700	ug/Kg
131-11-3	Dimethylphthalate	570	U	570	3700	ug/Kg
208-96-8	Acenaphthylene	1700	J	670	3700	ug/Kg
606-20-2	2,6-Dinitrotoluene	790	U	790	3700	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.3
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114206.D	10	05/11/19 08:49	05/12/19 21:16	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1500	U	1500	3700	ug/Kg
83-32-9	Acenaphthene	760	U	760	3700	ug/Kg
51-28-5	2,4-Dinitrophenol	980	U	980	3700	ug/Kg
100-02-7	4-Nitrophenol	720	U	720	3700	ug/Kg
132-64-9	Dibenzofuran	1000	U	1000	3700	ug/Kg
121-14-2	2,4-Dinitrotoluene	930	U	930	3700	ug/Kg
84-66-2	Diethylphthalate	710	U	710	3700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940	U	940	3700	ug/Kg
86-73-7	Fluorene	570	U	570	3700	ug/Kg
100-01-6	4-Nitroaniline	980	U	980	3700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	780	U	780	3700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	870	U	870	3700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	630	U	630	3700	ug/Kg
118-74-1	Hexachlorobenzene	750	U	750	3700	ug/Kg
1912-24-9	Atrazine	890	U	890	3700	ug/Kg
87-86-5	Pentachlorophenol	1200	U	1200	3700	ug/Kg
85-01-8	Phenanthrene	7300		640	3700	ug/Kg
120-12-7	Anthracene	1300	J	630	3700	ug/Kg
86-74-8	Carbazole	1000	U	1000	3700	ug/Kg
84-74-2	Di-n-butylphthalate	1100	U	1100	3700	ug/Kg
206-44-0	Fluoranthene	8900		550	3700	ug/Kg
129-00-0	Pyrene	14700		680	3700	ug/Kg
85-68-7	Butylbenzylphthalate	720	U	720	3700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700	U	1700	3700	ug/Kg
56-55-3	Benzo(a)anthracene	7000		420	3700	ug/Kg
218-01-9	Chrysene	7700		480	3700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000	U	1000	3700	ug/Kg
117-84-0	Di-n-octyl phthalate	800	U	800	3700	ug/Kg
205-99-2	Benzo(b)fluoranthene	7000		550	3700	ug/Kg
207-08-9	Benzo(k)fluoranthene	2700	J	630	3700	ug/Kg
50-32-8	Benzo(a)pyrene	5300		500	3700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3700		810	3700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000	J	590	3700	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.3
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114206.D	10	05/11/19 08:49	05/12/19 21:16	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	4600		690	3700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	880	U	880	3700	ug/Kg
123-91-1	1,4-Dioxane	1300	U	1300	3700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	U	470	3700	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.2		28 - 127	57%	SPK: 150
13127-88-3	Phenol-d6	103		34 - 127	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.4		31 - 132	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.1		39 - 123	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.1		30 - 133	53%	SPK: 150
1718-51-0	Terphenyl-d14	61.2		37 - 115	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256510	6.85			
1146-65-2	Naphthalene-d8	992113	8.13			
15067-26-2	Acenaphthene-d10	449215	9.89			
1517-22-2	Phenanthrene-d10	804134	11.37			
1719-03-5	Chrysene-d12	549673	14.01			
1520-96-3	Perylene-d12	594002	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	2700	J		6.62	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	2300	J N		11.87	ug/Kg
000613-12-7	Anthracene, 2-methyl-	2500	J N		11.9	ug/Kg
~~000610-48-0~~	~~Anthracene, 1-methyl-~~ unknown	3600	J		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	2000	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	1900	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	2600	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	2100	J N		12.51	ug/Kg
~~000886-66-8~~	~~Benzene, 1,1-(1,3-butadiyne-1,4-d~~ unknown	1600	J		12.68	ug/Kg
002381-21-7	Pyrene, 1-methyl-	1400	J N		13.03	ug/Kg
~~033543-31-6~~	~~Fluoranthene, 2-methyl-~~ unknown	1100	J		13.12	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	1400	J N		13.24	ug/Kg
003353-12-6	Pyrene, 4-methyl-	1100	J N		13.34	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.3
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114206.D	10	05/11/19 08:49	05/12/19 21:16	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	1300	J N		13.76	ug/Kg
003351-31-3	Chrysene, 3-methyl-	1400	J N		14.4	ug/Kg
000612-78-2	2,2-Binaphthalene → UNKNOWN	1100	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	1500	J N		15.16	ug/Kg
	unknown15.36	6100	J		15.36	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 ul.
Soil Aliquot Vol:	ul.	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114204.D	5	05/11/19 08:49	05/12/19 20:24	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	540	U	540	1800	ug/Kg
108-95-2	Phenol	350	U	350	1800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	580	U	580	1800	ug/Kg
95-57-8	2-Chlorophenol	370	U	370	1800	ug/Kg
95-48-7	2-Methylphenol	390	U	390	1800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	490	U	490	1800	ug/Kg
98-86-2	Acetophenone	520	U	520	1800	ug/Kg
65794-96-9	3+4-Methylphenols	550	U	550	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	760	U	760	1800	ug/Kg
67-72-1	Hexachloroethane	470	U	470	1800	ug/Kg
98-95-3	Nitrobenzene	240	U	240	1800	ug/Kg
78-59-1	Isophorone	200	U	200	1800	ug/Kg
88-75-5	2-Nitrophenol	430	U	430	1800	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	1800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	1800	ug/Kg
120-83-2	2,4-Dichlorophenol	290	U	290	1800	ug/Kg
91-20-3	Naphthalene	280	U	280	1800	ug/Kg
106-47-8	4-Chloroaniline	770	U	770	1800	ug/Kg
87-68-3	Hexachlorobutadiene	340	U	340	1800	ug/Kg
105-60-2	Caprolactam	630	U	630	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	330	U	330	1800	ug/Kg
91-57-6	2-Methylnaphthalene	340	U	340	1800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	340	U	340	1800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	330	U	330	1800	ug/Kg
92-52-4	1,1-Biphenyl	580	U	580	1800	ug/Kg
91-58-7	2-Chloronaphthalene	420	U	420	1800	ug/Kg
88-74-4	2-Nitroaniline	390	U	390	1800	ug/Kg
131-11-3	Dimethylphthalate	410	J	280	1800	ug/Kg
208-96-8	Acenaphthylene	460	J	330	1800	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	390	1800	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114204.D	5	05/11/19 08:49	05/12/19 20:24	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	720	U	720	1800	ug/Kg
83-32-9	Acenaphthene	380	U	380	1800	ug/Kg
51-28-5	2,4-Dinitrophenol	490	U	490	1800	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	1800	ug/Kg
132-64-9	Dibenzofuran	500	U	500	1800	ug/Kg
121-14-2	2,4-Dinitrotoluene	460	U	460	1800	ug/Kg
84-66-2	Diethylphthalate	350	U	350	1800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	470	U	470	1800	ug/Kg
86-73-7	Fluorene	280	U	280	1800	ug/Kg
100-01-6	4-Nitroaniline	490	U	490	1800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	390	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	430	U	430	1800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	310	U	310	1800	ug/Kg
118-74-1	Hexachlorobenzene	370	U	370	1800	ug/Kg
1912-24-9	Atrazine	440	U	440	1800	ug/Kg
87-86-5	Pentachlorophenol	600	U	600	1800	ug/Kg
85-01-8	Phenanthrene	1000	J	320	1800	ug/Kg
120-12-7	Anthracene	310	U	310	1800	ug/Kg
86-74-8	Carbazole	500	U	500	1800	ug/Kg
84-74-2	Di-n-butylphthalate	550	U	550	1800	ug/Kg
206-44-0	Fluoranthene	1800		280	1800	ug/Kg
129-00-0	Pyrene	3100		340	1800	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	360	1800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820	U	820	1800	ug/Kg
56-55-3	Benzo(a)anthracene	1600	J	210	1800	ug/Kg
218-01-9	Chrysene	1800		240	1800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	510	U	510	1800	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	400	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		270	1800	ug/Kg
207-08-9	Benzo(k)fluoranthene	430	J	310	1800	ug/Kg
50-32-8	Benzo(a)pyrene	1400	J	250	1800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	J	400	1800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	290	1800	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114204.D	5	05/11/19 08:49	05/12/19 20:24	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1400	J	340	1800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	440	U	440	1800	ug/Kg
123-91-1	1,4-Dioxane	650	U	650	1800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	1800	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	130		28 - 127	87%	SPK: 150
13127-88-3	Phenol-d6	147		34 - 127	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.9		31 - 132	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.2		39 - 123	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 - 133	82%	SPK: 150
1718-51-0	Terphenyl-d14	85		37 - 115	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	262010	6.85			
1146-65-2	Naphthalene-d8	996857	8.13			
15067-26-2	Acenaphthene-d10	452930	9.89			
1517-22-2	Phenanthrene-d10	814305	11.37			
1719-03-5	Chrysene-d12	565308	14.01			
1520-96-3	Perylene-d12	608036	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	3700	J		6.62	ug/Kg
000613-12-7	Anthracene, 2-methyl-	380	J N		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	650	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	680	J N		11.98	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	580	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	400	J N		12.51	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran)	400	J		12.68	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	480	J N		13.03	ug/Kg
003353-12-6	Pyrene, 4-methyl-	400	J N		13.24	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	580	J N		13.85	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	470	J N		14.16	ug/Kg
001705-84-6	Triphenylene, 2-methyl-	510	J N		14.4	ug/Kg
000612-78-2	2,2-Binaphthalene	450	J N		14.48	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114204.D	5	05/11/19 08:49	05/12/19 20:24	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown15.16	390	J		15.16	ug/Kg
000192-97-2	Benzo[e]pyrene	1500	J N		15.36	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114241.D	1	05/11/19 08:49	05/13/19 20:37	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	70.7	U	70.7	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.4	U	74.4	370	ug/Kg
95-48-7	2-Methylphenol	79.2	U	79.2	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.9	U	99.9	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	95.1	U	95.1	370	ug/Kg
98-95-3	Nitrobenzene	48.9	U	48.9	370	ug/Kg
78-59-1	Isophorone	41.4	U	41.4	370	ug/Kg
88-75-5	2-Nitrophenol	86.1	U	86.1	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.3	U	62.3	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58	U	58	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.9	U	57.9	370	ug/Kg
91-20-3	Naphthalene	78.3	J	56.1	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	68.5	U	68.5	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66.8	U	66.8	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.4	U	69.4	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.2	U	68.2	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	66.7	U	66.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85	U	85	370	ug/Kg
88-74-4	2-Nitroaniline	78.4	U	78.4	370	ug/Kg
131-11-3	Dimethylphthalate	420		57	370	ug/Kg
208-96-8	Acenaphthylene	220	J	67.6	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	79.7	U	79.7	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114241.D	1	05/11/19 08:49	05/13/19 20:37	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	370	ug/Kg
83-32-9	Acenaphthene	76.5	U	76.5	370	ug/Kg
51-28-5	2,4-Dinitrophenol	98.9	U	98.9	370	ug/Kg
100-02-7	4-Nitrophenol	72.9	U	72.9	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.9	U	93.9	370	ug/Kg
84-66-2	Diethylphthalate	71.3	U	71.3	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.1	U	94.1	370	ug/Kg
86-73-7	Fluorene	57.5	U	57.5	370	ug/Kg
100-01-6	4-Nitroaniline	98.8	U	98.8	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.8	U	78.8	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.6	U	63.6	370	ug/Kg
118-74-1	Hexachlorobenzene	75	U	75	370	ug/Kg
1912-24-9	Atrazine	89.6	U	89.6	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	780		64.4	370	ug/Kg
120-12-7	Anthracene	160	J	62.9	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	1200		55.8	370	ug/Kg
129-00-0	Pyrene	2000		68.7	370	ug/Kg
85-68-7	Butylbenzylphthalate	72	U	72	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	930		42.4	370	ug/Kg
218-01-9	Chrysene	1100		48	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	80.4	U J	80.4	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	940		54.9	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	370		63.5	370	ug/Kg
50-32-8	Benzo(a)pyrene	720		50	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	480		81.6	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	J	59	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114241.D	1	05/11/19 08:49	05/13/19 20:37	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	570		68.9	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.2	U	88.2	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	47	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		28 - 127	68%	SPK: 150
13127-88-3	Phenol-d6	115		34 - 127	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.7		31 - 132	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.7		39 - 123	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.8		30 - 133	66%	SPK: 150
1718-51-0	Terphenyl-d14	65.6		37 - 115	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	248713	6.86			
1146-65-2	Naphthalene-d8	936063	8.13			
15067-26-2	Acenaphthene-d10	427161	9.89			
1517-22-2	Phenanthrene-d10	755191	11.38			
1719-03-5	Chrysene-d12	498525	14.03			
1520-96-3	Perylene-d12	556135	15.52			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- UNKNOWN	780	J		2.13	ug/Kg
	unknown6.64	2900	J		6.64	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	290	J N		11.88	ug/Kg
000613-12-7	Anthracene, 2-methyl-	470	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	470	J N		11.99	ug/Kg
000779-02-2	Anthracene, 9-methyl-	220	J N		12.02	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	250	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	260	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	310	J N		12.43	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	190	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	260	J N		12.52	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	170	J N		13.04	ug/Kg
002381-21-7	Pyrene, 1-methyl-	160	J N		13.26	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114241.D	1	05/11/19 08:49	05/13/19 20:37	PB119645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
074685-30-6	5-Eicosene, (E)-	250	J N		13.85	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	150	J N		14.17	ug/Kg
000612-78-2	~~2,2-Binaphthalene~~ UNKNOWN	180	J		14.5	ug/Kg
000192-97-2	Benzo[e]pyrene	920	J N		15.39	ug/Kg

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2766	**OrderDate:**	5/9/2019 9:53:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2766-01	**P026-SS006-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2766-02	**P026-SS006-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-03	**P026-SS006-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-04	**P026-SS006-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-05	**P026-SS007-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-05DL	**P026-SS007-0002-01DL**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/15/19	
K2766-06	**P026-SS007-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-06DL	**P026-SS007-0206-01DL**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/14/19	
K2766-07	**P026-SS007-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	

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LAB CHRONICLE

K2766-08	**P026-SS007-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-09	**P026-SS007-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-10	**P026-SS008-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-11	**P026-SS008-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2766-14	**P026-SS008-0206-02**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2766-15	**P026-SS008-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2766-16	**P026-SS008-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/11/19	
K2766-17	**P026-SS008-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/11/19	
K2766-18	**P026-SS009-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-18DL	**P026-SS009-0002-01DL**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/14/19	
K2766-19	**P026-SS009-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-20	**P026-SS009-0612-01**	**SOIL**			**05/06/19**			**05/09/19**

LAB CHRONICLE

			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2766-21	**P026-SS009-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 6, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS006-0206-01	P026-SS006-0612-01	P026-SS006-1218-01	P026-SS006-1824-01	P026-SS007-0002-01
Lab Sample ID	K2766-01	K2766-02	K2766-03	K2766-04	K2766-05
Sample Weight (g)	2.45	2.37	2.39	2.37	2.43
(Hg weight, g)	0.56	0.57	0.57	0.56	0.55
% Solid	91	93.5	90	87.9	78.3
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**5.67**	**4.76**	**4.35**	**3.34**	**5.46**
Barium	**106**	**98.6**	**127**	**139**	**146**
Cadmium	**0.222 J**	**0.197 J**	**0.613**	0.023 U	**0.055 J**
Chromium	**8.41**	**11.1**	**13.2**	**10.6**	**7.26**
Lead	**31.5**	**17.2**	**23.3**	**23.1**	**64.8**
Mercury	**0.021**	**0.023**	**0.056**	**0.031**	**0.069**
Selenium	0.285 U	0.286 U	0.295 U	0.305 U	0.334 U
Silver	0.037 U	0.037 U	0.038 U	0.04 U	0.043 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS007-0206-01	P026-SS007-0612-01	P026-SS007-1218-01	P026-SS007-1824-01	P026-SS008-0002-01
Lab Sample ID	K2766-06	K2766-07	K2766-08	K2766-09	K2766-10
Sample Weight (g)	2.41	2.39	2.45	2.47	2.39
(Hg weight, g)	0.53	0.56	0.56	0.56	0.57
% Solid	78.8	81	81.9	82.4	**49.3**
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**5.31**	**3.82**	**3.58**	**2.99**	**3.28 J**
Barium	**190**	**154**	**162**	**185**	**231 J**
Cadmium	**0.158 J**	0.025 U	0.024 U	0.024 U	**0.101 J**
Chromium	**7.53**	**10.6**	**14.3**	**15.3**	**9.04 J**
Lead	**56.4**	**16.7**	**30.2**	**22.7**	**20 J**
Mercury	**0.068**	**0.04**	**0.04**	**0.029**	**0.154 J**
Selenium	0.334 U	0.328 U	0.316 U	0.312 U	**0.966 J**
Silver	0.043 U	0.043 U	0.041 U	0.041 U	0.07 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 6, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS008-0206-01	P026-SS008-0206-02[1]	P026-SS008-0612-01	P026-SS008-1218-01	P026-SS008-1824-01
Lab Sample ID	K2766-11	K2766-14	K2766-15	K2766-16	K2766-17
Sample Weight (g)	2.38	2.37	2.38	2.40	2.41
(Hg weight, g)	0.58	0.56	0.56	0.56	0.58
% Solid	42.5	45	80.5	86.5	85.5
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**3.74 J**	**3.58 J**	**5.37**	**3.66**	**4.3**
Barium	**313 J**	**287 J**	**153**	**108**	**94.3**
Cadmium	**0.402 J**	**0.373 J**	**0.183 J**	0.023 U	**0.026 J**
Chromium	**9.7 J**	**9.15 J**	**10.8**	**14.7**	**12.1**
Lead	**20.8 J**	**20.8 J**	**20.7**	**16.3**	**13.1**
Mercury	**0.218 J**	**0.201 J**	**0.094**	**0.038**	**0.065**
Selenium	**1.71 J**	**1.74 J**	**0.331 U**	0.306 U	0.308 U
Silver	0.082 U	0.077 U	0.043 U	0.04 U	0.04 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-0002-01	P026-SS009-0206-01	P026-SS009-0612-01	P026-SS009-1218-01
Lab Sample ID	K2766-18	K2766-19	K2766-20	K2766-21
Sample Weight (g)	2.39	2.45	2.37	2.36
(Hg weight, g)	0.56	0.52	0.58	0.57
% Solid	85.6	88.7	89.5	88.3
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**4.36**	**4.85**	**4.74**	**3.75**
Barium	**89.1**	**125**	**112**	**147**
Cadmium	**0.078 J**	**0.26 J**	**0.238 J**	0.023 U
Chromium	**8.08**	**8.95**	**10.4**	**21.3**
Lead	**23.8**	**55**	**18.8**	**20.8**
Mercury	**0.037**	**0.045**	**0.025**	**0.026**
Selenium	0.31 U	0.292 U	0.299 U	0.305 U
Silver	0.04 U	0.038 U	0.039 U	0.04 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[1] A field duplicate of P026-SS008-0206-01

SAMPLE DATA

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	91

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.67		1	0.173	0.897	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010
7440-39-3	Barium	106		1	0.374	4.49	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010
7440-43-9	Cadmium	0.222	J	1	0.022	0.269	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010
7440-47-3	Chromium	8.41		1	0.138	0.449	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010
7439-92-1	Lead	31.5		1	0.046	0.538	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010
7439-97-6	Mercury	0.021		1	0.003	0.014	mg/Kg	05/10/19 16:31	05/11/19 12:13	SW7471B
7782-49-2	Selenium	0.285	U	1	0.285	0.897	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010
7440-22-4	Silver	0.037	U~~N~~	1	0.037	0.449	mg/Kg	05/11/19 10:14	05/12/19 02:25	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.76		1	0.174	0.903	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010
7440-39-3	Barium	98.6		1	0.376	4.51	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010
7440-43-9	Cadmium	0.197	J	1	0.022	0.271	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010
7440-47-3	Chromium	11.1		1	0.139	0.451	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010
7439-92-1	Lead	17.2		1	0.047	0.542	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010
7439-97-6	Mercury	0.023		1	0.002	0.013	mg/Kg	05/10/19 16:31	05/11/19 12:15	SW7471B
7782-49-2	Selenium	0.286	U	1	0.286	0.903	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010
7440-22-4	Silver	0.037	UN	1	0.037	0.451	mg/Kg	05/11/19 10:14	05/12/19 02:29	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.35		1	0.18	0.93	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010
7440-39-3	Barium	127		1	0.388	4.65	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010
7440-43-9	Cadmium	0.613		1	0.022	0.279	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010
7440-47-3	Chromium	13.2		1	0.143	0.465	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010
7439-92-1	Lead	23.3		1	0.048	0.558	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010
7439-97-6	Mercury	0.056		1	0.003	0.014	mg/Kg	05/10/19 16:31	05/11/19 12:17	SW7471B
7782-49-2	Selenium	0.295	U	1	0.295	0.93	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010
7440-22-4	Silver	0.038	U~~N~~	1	0.038	0.465	mg/Kg	05/11/19 10:14	05/12/19 02:34	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS006-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.9

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.34		1	0.186	0.96	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010
7440-39-3	Barium	139		1	0.4	4.8	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.288	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010
7440-47-3	Chromium	10.6		1	0.148	0.48	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010
7439-92-1	Lead	23.1		1	0.05	0.576	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010
7439-97-6	Mercury	0.031		1	0.003	0.014	mg/Kg	05/10/19 16:31	05/11/19 12:20	SW7471B
7782-49-2	Selenium	0.305	U	1	0.305	0.96	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010
7440-22-4	Silver	0.04	U	1	0.04	0.48	mg/Kg	05/11/19 10:14	05/12/19 02:39	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.3

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.46		1	0.203	1.05	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010
7440-39-3	Barium	146		1	0.438	5.26	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010
7440-43-9	Cadmium	0.055	J	1	0.025	0.315	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010
7440-47-3	Chromium	7.26		1	0.162	0.526	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010
7439-92-1	Lead	64.8		1	0.054	0.631	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010
7439-97-6	Mercury	0.069		1	0.003	0.016	mg/Kg	05/10/19 16:31	05/11/19 12:22	SW7471B
7782-49-2	Selenium	0.334	U	1	0.334	1.05	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.526	mg/Kg	05/11/19 10:14	05/12/19 02:43	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.8

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.31		1	0.203	1.05	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010
7440-39-3	Barium	190		1	0.439	5.27	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010
7440-43-9	Cadmium	0.158	J	1	0.025	0.316	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010
7440-47-3	Chromium	7.53		1	0.162	0.527	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010
7439-92-1	Lead	56.4		1	0.055	0.632	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010
7439-97-6	Mercury	0.068		1	0.003	0.017	mg/Kg	05/10/19 16:31	05/11/19 12:24	SW7471B
7782-49-2	Selenium	0.334	U	1	0.334	1.05	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.527	mg/Kg	05/11/19 10:14	05/12/19 02:57	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	81

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.82		1	0.2	1.03	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010
7440-39-3	Barium	154		1	0.431	5.17	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010
7440-47-3	Chromium	10.6		1	0.159	0.517	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010
7439-92-1	Lead	16.7		1	0.053	0.62	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010
7439-97-6	Mercury	0.04		1	0.003	0.015	mg/Kg	05/10/19 16:31	05/11/19 12:27	SW7471B
7782-49-2	Selenium	0.328	U	1	0.328	1.03	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010
7440-22-4	Silver	0.043	U~~N~~	1	0.043	0.517	mg/Kg	05/11/19 10:14	05/12/19 03:01	SW6010

(2) 6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.58		1	0.193	0.997	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010
7440-39-3	Barium	162		1	0.416	4.98	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.299	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010
7440-47-3	Chromium	14.3		1	0.153	0.498	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010
7439-92-1	Lead	30.2		1	0.052	0.598	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010
7439-97-6	Mercury	0.04		1	0.003	0.015	mg/Kg	05/10/19 16:31	05/11/19 12:33	SW7471B
7782-49-2	Selenium	0.316	U	1	0.316	0.997	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.498	mg/Kg	05/11/19 10:14	05/12/19 03:06	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS007-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.99		1	0.19	0.983	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010
7440-39-3	Barium	185		1	0.41	4.91	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.295	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010
7440-47-3	Chromium	15.3		1	0.151	0.491	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010
7439-92-1	Lead	22.7		1	0.051	0.59	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010
7439-97-6	Mercury	0.029		1	0.003	0.015	mg/Kg	05/10/19 16:31	05/11/19 12:36	SW7471B
7782-49-2	Selenium	0.312	U	1	0.312	0.983	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.491	mg/Kg	05/11/19 10:14	05/12/19 03:10	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	49.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.28		1	0.328	1.7	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010
7440-39-3	Barium	231		1	0.708	8.49	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010
7440-43-9	Cadmium	0.101	J	1	0.041	0.509	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010
7440-47-3	Chromium	9.04		1	0.261	0.849	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010
7439-92-1	Lead	20		1	0.088	1.02	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010
7439-97-6	Mercury	0.154		1	0.005	0.025	mg/Kg	05/10/19 16:31	05/11/19 12:38	SW7471B
7782-49-2	Selenium	0.966	J	1	0.539	1.7	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010
7440-22-4	Silver	0.07	UN	1	0.07	0.849	mg/Kg	05/11/19 10:14	05/12/19 03:15	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	42.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.74	J	1	0.382	1.98	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010
7440-39-3	Barium	313		1	0.824	9.89	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010
7440-43-9	Cadmium	0.402	J	1	0.047	0.593	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010
7440-47-3	Chromium	9.7		1	0.304	0.989	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010
7439-92-1	Lead	20.8		1	0.102	1.19	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010
7439-97-6	Mercury	0.218		1	0.005	0.028	mg/Kg	05/10/19 16:31	05/11/19 12:40	SW7471B
7782-49-2	Selenium	1.71	J	1	0.627	1.98	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010
7440-22-4	Silver	0.082	UN	1	0.082	0.989	mg/Kg	05/11/19 10:14	05/12/19 03:20	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0206-02	SDG No.:	K2766
Lab Sample ID:	K2766-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	45

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.58	J	1	0.362	1.88	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010
7440-39-3	Barium	287		1	0.782	9.38	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010
7440-43-9	Cadmium	0.373	J	1	0.045	0.563	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010
7440-47-3	Chromium	9.15		1	0.288	0.938	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010
7439-92-1	Lead	20.8		1	0.097	1.13	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010
7439-97-6	Mercury	0.201		1	0.005	0.028	mg/Kg	05/10/19 16:31	05/11/19 12:49	SW7471B
7782-49-2	Selenium	1.74	J	1	0.595	1.88	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010
7440-22-4	Silver	0.077	UN	1	0.077	0.938	mg/Kg	05/11/19 10:14	05/12/19 03:55	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.37		1	0.202	1.04	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010
7440-39-3	Barium	153		1	0.435	5.22	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010
7440-43-9	Cadmium	0.183	J	1	0.025	0.313	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010
7440-47-3	Chromium	10.8		1	0.16	0.522	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010
7439-92-1	Lead	20.7		1	0.054	0.626	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010
7439-97-6	Mercury	0.094		1	0.003	0.016	mg/Kg	05/10/19 16:31	05/11/19 12:52	SW7471B
7782-49-2	Selenium	0.331	U	1	0.331	1.04	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.522	mg/Kg	05/11/19 10:14	05/12/19 04:00	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.5

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.66		1	0.186	0.963	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010
7440-39-3	Barium	108		1	0.402	4.82	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.289	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010
7440-47-3	Chromium	14.7		1	0.148	0.482	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010
7439-92-1	Lead	16.3		1	0.05	0.578	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010
7439-97-6	Mercury	0.038		1	0.003	0.014	mg/Kg	05/10/19 16:31	05/11/19 12:54	SW7471B
7782-49-2	Selenium	0.306	U	1	0.306	0.963	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.482	mg/Kg	05/11/19 10:14	05/12/19 04:05	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS008-1824-01	SDG No.:	K2766
Lab Sample ID:	K2766-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.5

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.3		1	0.188	0.971	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010
7440-39-3	Barium	94.3		1	0.405	4.85	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010
7440-43-9	Cadmium	0.026	J	1	0.023	0.291	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010
7440-47-3	Chromium	12.1		1	0.149	0.485	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010
7439-92-1	Lead	13.1		1	0.05	0.582	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010
7439-97-6	Mercury	0.065		1	0.003	0.014	mg/Kg	05/10/19 16:31	05/11/19 13:01	SW7471B
7782-49-2	Selenium	0.308	U	1	0.308	0.971	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.485	mg/Kg	05/11/19 10:14	05/12/19 04:09	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0002-01	SDG No.:	K2766
Lab Sample ID:	K2766-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.36		1	0.189	0.978	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010
7440-39-3	Barium	89.1		1	0.408	4.89	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010
7440-43-9	Cadmium	0.078	J	1	0.023	0.293	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010
7440-47-3	Chromium	8.08		1	0.15	0.489	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010
7439-92-1	Lead	23.8		1	0.051	0.587	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010
7439-97-6	Mercury	0.037		1	0.003	0.015	mg/Kg	05/10/19 16:31	05/11/19 13:03	SW7471B
7782-49-2	Selenium	0.31	U	1	0.31	0.978	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.489	mg/Kg	05/11/19 10:14	05/12/19 04:14	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0206-01	SDG No.:	K2766
Lab Sample ID:	K2766-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.7

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.85		1	0.178	0.92	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010
7440-39-3	Barium	125		1	0.384	4.6	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010
7440-43-9	Cadmium	0.26	J	1	0.022	0.276	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010
7440-47-3	Chromium	8.95		1	0.141	0.46	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010
7439-92-1	Lead	55		1	0.048	0.552	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010
7439-97-6	Mercury	0.045		1	0.003	0.015	mg/Kg	05/10/19 16:31	05/11/19 13:05	SW7471B
7782-49-2	Selenium	0.292	U	1	0.292	0.92	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.46	mg/Kg	05/11/19 10:14	05/12/19 04:19	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-0612-01	SDG No.:	K2766
Lab Sample ID:	K2766-20	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.74		1	0.182	0.943	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010
7440-39-3	Barium	112		1	0.393	4.71	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010
7440-43-9	Cadmium	0.238	J	1	0.023	0.283	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010
7440-47-3	Chromium	10.4		1	0.145	0.471	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010
7439-92-1	Lead	18.8		1	0.049	0.566	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010
7439-97-6	Mercury	0.025		1	0.002	0.013	mg/Kg	05/10/19 16:31	05/11/19 13:08	SW7471B
7782-49-2	Selenium	0.299	U	1	0.299	0.943	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.471	mg/Kg	05/11/19 10:14	05/12/19 04:23	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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6

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1218-01	SDG No.:	K2766
Lab Sample ID:	K2766-21	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.3

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.75		1	0.185	0.96	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010
7440-39-3	Barium	147		1	0.4	4.8	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.288	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010
7440-47-3	Chromium	21.3		1	0.147	0.48	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010
7439-92-1	Lead	20.8		1	0.05	0.576	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010
7439-97-6	Mercury	0.026		1	0.003	0.014	mg/Kg	05/10/19 16:31	05/11/19 13:10	SW7471B
7782-49-2	Selenium	0.305	U	1	0.305	0.96	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.48	mg/Kg	05/11/19 10:14	05/12/19 04:28	SW6010

6/12/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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LAB CHRONICLE

OrderID:	K2766	OrderDate:	5/9/2019 9:53:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2766-01	P026-SS006-0206-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-02	P026-SS006-0612-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-03	P026-SS006-1218-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-04	P026-SS006-1824-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-05	P026-SS007-0002-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-06	P026-SS007-0206-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-07	P026-SS007-0612-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	

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LAB CHRONICLE

K2766-08	P026-SS007-1218-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-09	P026-SS007-1824-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-10	P026-SS008-0002-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-11	P026-SS008-0206-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-14	P026-SS008-0206-02	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-15	P026-SS008-0612-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-16	P026-SS008-1218-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-17	P026-SS008-1824-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-18	P026-SS009-0002-01	SOIL			05/06/19			05/09/19
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	

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LAB CHRONICLE

K2766-19	**P026-SS009-0206-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-20	**P026-SS009-0612-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2766-21	**P026-SS009-1218-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/10/19	05/11/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	

SHIPPING DOCUMENTS

K2766

7

7.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS006-0206-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:40	1	8 oz glass	4 C	N
	P026-SS006-0206-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:40	1	8 oz glass	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:44	1	8 oz glass	4 C	N
	P026-SS006-0612-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:44	1	8 oz glass	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:50	1	8 oz glass	4 C	N
	P026-SS006-1218-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:50	1	8 oz glass	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	RCRA Metals (Solid)	5/6/2019	14:57	1	8 oz glass	4 C	N
	P026-SS006-1824-01	P026-SS006	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	14:57	1	8 oz glass	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:04	1	8 oz glass	4 C	N
	P026-SS007-0002-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:04	1	8 oz glass	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:09	1	8 oz glass	4 C	N
	P026-SS007-0206-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:09	1	8 oz glass	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:16	1	8 oz glass	4 C	N
	P026-SS007-0612-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:16	1	8 oz glass	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:19	1	8 oz glass	4 C	N
	P026-SS007-1218-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:19	1	8 oz glass	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	RCRA Metals (Solid)	5/6/2019	15:25	1	8 oz glass	4 C	N
	P026-SS007-1824-01	P026-SS007	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:25	1	8 oz glass	4 C	N
	P026-SS008-0002-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:31	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Sample All Analyses	Wilkon RST3	5/9/2019 900		5-9-19 0935	2-3°C

K2766

7

7.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS008-0002-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:31	1	8 oz glass	4 C	N
	P026-SS008-0206-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:40	2	8 oz glass	4 C	Y
	P026-SS008-0206-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:40	2	8 oz glass	4 C	Y
	P026-SS008-0206-02	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:40	1	8 oz glass	4 C	N
	P026-SS008-0206-02	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:40	1	8 oz glass	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:51	1	8 oz glass	4 C	N
	P026-SS008-0612-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:51	1	8 oz glass	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	15:58	1	8 oz glass	4 C	N
	P026-SS008-1218-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	15:58	1	8 oz glass	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	RCRA Metals (Solid)	5/6/2019	16:03	1	8 oz glass	4 C	N
	P026-SS008-1824-01	P026-SS008	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:03	1	8 oz glass	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:07	1	8 oz glass	4 C	N
	P026-SS009-0002-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:07	1	8 oz glass	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:14	1	8 oz glass	4 C	N
	P026-SS009-0206-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:14	1	8 oz glass	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:18	1	8 oz glass	4 C	N
	P026-SS009-0612-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:18	1	8 oz glass	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:21	1	8 oz glass	4 C	N
	P026-SS009-1218-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:21	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples / All Analyte	[signature] - Weston RST3	5/9/2019 900	[signature]	5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) George Negrau		Log-in Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS006-0206-01	MA No. ~~0100105~~ SC

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	3.1 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12.Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS006-020E		K2766-01	Intact
2	P026-SS006-0612		K2766-02	Intact
3	P026-SS006-121E		K2766-03	Intact
4	P026-SS006-1824		K2766-04	Intact
5	P026-SS007-0002		K2766-05	Intact
6	P026-SS007-020E		K2766-06	Intact
7	P026-SS007-0612		K2766-07	Intact
8	P026-SS007-121E		K2766-08	Intact
9	P026-SS007-1824		K2766-09	Intact
10	P026-SS008-0002		K2766-10	Intact
11	P026-SS008-020E		K2766-11	Intact
12	K2766-11MS		K2766-12	Intact
13	K2766-11MSD		K2766-13	Intact
14	P026-SS008-020E		K2766-14	Intact
15	P026-SS008-0612		K2766-15	Intact
16	P026-SS008-121E		K2766-16	Intact
17	P026-SS008-1824		K2766-17	Intact
18	P026-SS009-0002		K2766-18	Intact
19	P026-SS009-020E		K2766-19	Intact
20	P026-SS009-0612		K2766-20	Intact
21	P026-SS009-121E		K2766-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2767

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B SW-846 Method 7470A	No. HW-3c (Revision 1), September 2016 and Analytical Method

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: _____ **Date:** 06/20/2019

On May 6 and 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2767				
P026-SS009-1824-01	J2767-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/062019
P026-SS010-0002-01	J2767-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS010-0206-01	J2767-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS010-0612-01	J2767-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS010-1218-01	J2767-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS010-1824-01	J2767-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS011-0002-01	J2767-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS011-0206-01	J2767-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS011-0612-01	J2767-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS011-1218-01	J2767-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS011-1824-01	J2767-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/06/2019
P026-SS012-0002-01	J2767-12	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS012-0002-02[1]	J2767-15	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS012-0206-01	J2767-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS012-0612-01	J2767-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS012-1218-01	J2767-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS012-1824-01	J2767-19	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS013-0002-01	J2767-20	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS013-0206-01	J2767-21	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019

[1] A field duplicate of P026-SS012-0002-01

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10%R, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS012-0002-01 was used for MS/MSD analyses. The percent recoveries (%Rs) of 4-chloroaniline, acenaphthylene, 4-nitroaniline, fluoranthene, 3,3'-dichlorobenzidine, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and benzo(g,h,i)perylene fell below the acceptance criteria in the MS and/or MSD analyses. The detected or non-detected results for 4-chloroaniline, acenaphthylene, 4-nitroaniline, fluoranthene, 3,3'-dichlorobenzidine, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and benzo(g,h,i)perylene in soil sample P026-SS012-0002-01 were qualified as estimated (J or UJ).

Sample P026-SS012-0002-01 was used for MS/MSD analyses. The %Rs of pyrene and phenanthrene fell above the acceptance criteria in the MS and/or MSD analyses. The detected results for pyrene and phenanthrene in soil sample P026-SS012-0002-01 were qualified as estimated (J).

The RPDs exceeded the laboratory control limit of 20% for naphthalene, pyrene, phenanthrene, fluoranthene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene. With the exception of naphthalene, these compounds were previously qualified in sample P026-SS0012-0002-01 due to non-compliance MS/MSD recoveries. Naphthalene was qualified as estimated (J) in sample P026-SS012-0002-01 due to the high RPD.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No contaminants were detected in rinsate blanks RB-190506 and RB-190507 associated with SDG No. K2769.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.66 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P026-SS011-1824-01 and P026-SS012-1218-01.

Laboratory artifact eluted around retention time 7.66 minutes was detected in rinsate blanks RB-190506 and RB-190507 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P026-SS012-1824-01. Samples P026-SS011-1824-01 and P026-SS012-1218-01 were previously qualified, therefore, no further qualification was required.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>) 20 for 2,4-dinitrophenol, initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde, and initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/11/2019@ 19:30	CCV	2,4-Dinitrophenol	P026-SS013-0002-01 P026-SS013-0206-01	J/UJ
5/13/2019@ 11:40	CCV	Di-n-Octylphthalate	P026-SS010-1218-01 P026-SS011-0002-01 P026-SS012-0002-01	J/UJ

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/11/2019@ 14:47	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P026-SS012-1824-01	J/UJ
5/12/2019@ 04:04	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P026-SS011-1824-01 P026-SS012-1218-01	J/UJ
5/12/2019@ 11:21	CCV	Indeno(1,2,3-cd)pyrene	P026-SS009-1824-01 P026-SS010-1824-01	J/UJ
5/13/2019@ 12:10	CCV	2-Nitrophenol Caprolactam 2,4-Dinitrophenol 4,6-Dinitro-2-Methylphenol Butylbenzylphthalate Di-n-Octylphthalate	P026-SS012-0612-01	J/UJ

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

For field sample P026-SS012-0002-01 field duplicate sample is P026-SS012-0002-02:
Phenanthrene, fluoranthene, and benzo(b)fluoranthene concentrations were above the CRQL in

sample P026-SS012-0002-01 and field duplicate P026-SS012-0002-02. Since the relative percent differences (RPDs) are above 50%, based on professional judgment, phenathrene, fluoranthene, and benzo(b)fluoranthene in both samples were estimated (J).

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported non-target SVOCs as TICs and denoted as non-target (NT) on the Form 1s. The non-target SVOCs are not project target analytes but were present in the sample and quantitated using the SVOC calibration standards in the following samples:

P026-SS010-0002-01, P026-SS010-0206-01, P026-SS011-0002-01, P026-SS012-0002-01, and P026-SS012-0002-02: Benzoic Acid

P026-SS012-0002-01 and P026-SS012-0002-02: 1-Methylnaphthalene

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

Laboratory control sample (LCS) PB119647BS had 115%R for 2,4-Dinitrophenol which exceeded the upper laboratory limit of 114%R. 2,4-Dinitrophenol was not detected in the samples associated with this LCS. No qualifiers were necessary.

As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

The majority of samples in this SDG were analyzed as low-level VOCs or to bring a target analyte into instrument calibration range:

Sample P026-SS012-0002-01 was analyzed once as a low-level VOC and at a 10-fold dilution due to pyrene, and chrysene exceeding the calibration range in the low-level analysis. Results for these compounds were reported from the dilution analysis.

Sample P026-SS012-0002-02 was analyzed once as a low-level VOC and at a 4-fold dilution due to phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene exceeding the calibration range in the low-level analysis. Phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene results were reported from the dilution analysis.

Due to dilution analysis, the laboratory qualified the associated analytes results with D qualifiers on the Form Is. The data reviewer removed the "D" qualifier from the Form Is.

Samples P026-SS013-0002-01 and P026-SS013-0206-01 were diluted 5-times (5x) due to bad matrix.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

P026-SS012-0002-01DL
P026-SS012-0002-02DL

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:
Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the

inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:
A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:
Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Arsenic result in ICB (LB102708) is greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). Since, the associated sample results are greater than CRQL; using professional judgment, no qualification was required.

Arsenic and mercury were detected greater than or equal to MDLs but less than or equal to CRQLs in rinsate blank RB-190506. Qualification of the data was not required for arsenic and mercury since the concentrations of these analyte in all soil samples exceeded the CRQLs.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two

solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:
The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recovery of silver was below the acceptance criteria in the MS/MSD analysis performed on sample P026-SS012-0002-01. The non-detected result for silver was qualified as estimated (UJ). The laboratory qualified all silver results with "N" due to the low recoveries of silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:
The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P026-SS012-0002-01 and P026-SS012-0002-02 were analyzed and results were within applicable control limits. No data qualifiers were required.

8. LABORATORY CONTROL SAMPLE:
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:
The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS:
The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

All analytes (previously not qualified due to other QC criteria) were qualified as estimated ("J or UJ") in the following samples:

(J/UJ) – P026-SS011-0002-01 and P026-SS011-0206-01

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-1824-01	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01
Lab Sample ID	K2767-01	K2767-02	K2767-03	K2767-04	K2767-05
Sample weight (g)	30.04	30.09	30.15	30.03	30.08
Moisture (%)	13.9	27.7	19.6	19.2	18.1
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	130 U	120 U	120 U	120 U
Phenol	72.7 U	86.4 U	77.6 U	77.5 U	76.3 U
bis(2-Chloroethyl)ether	120 U	140 U	130 U	130 U	130 U
2-Chlorophenol	76.4 U	90.9 U	81.6 U	81.5 U	80.2 U
2-Methylphenol	81.4 U	96.8 U	86.9 U	86.8 U	85.5 U
2,2-oxybis(1-Chloropropane)	100 U	120 U	110 U	110 U	110 U
Acetophenone	110 U	130 U	120 U	120 U	110 U
3+4-Methylphenols	110 U	140 U	120 U	120 U	120 U
n-Nitroso-di-n-propylamine	160 U	190 U	170 U	170 U	170 U
Hexachloroethane	97.7 U	120 U	100 U	100 U	100 U
Nitrobenzene	50.3 U	59.7 U	53.6 U	53.6 U	52.8 U
Isophorone	42.5 U	50.5 U	45.4 U	45.3 U	44.6 U
2-Nitrophenol	88.5 U	110 U	94.5 U	94.4 U	92.9 U
2,4-Dimethylphenol	64 U	76.1 U	68.3 U	68.2 U	67.2 U
bis(2-Chloroethoxy)methane	59.7 U	70.9 U	63.7 U	63.6 U	62.6 U
2,4-Dichlorophenol	59.5 U	70.7 U	63.5 U	63.4 U	62.4 U
Naphthalene	57.7 U	**250 J**	**130 J**	**130 J**	**130 J**
4-Chloroaniline	160 U	190 U	170 U	170 U	170 U
Hexachlorobutadiene	70.5 U	83.8 U	75.2 U	75.1 U	74 U
Caprolactam	130 U	150 U	140 U	140 U	140 U
4-Chloro-3-methylphenol	68.6 U	81.6 U	73.2 U	73.1 U	72 U
2-Methylnaphthalene	71.3 U	**170 J**	**86.2 J**	**95 J**	**91.3 J**
Hexachlorocyclopentadiene	260 U	310 U	270 U	270 U	270 U
2,4,6-Trichlorophenol	70.1 U	83.4 U	74.8 U	74.8 U	73.6 U
2,4,5-Trichlorophenol	68.6 U	81.5 U	73.2 U	73.1 U	72 U
1,1-Biphenyl	120 U	140 U	130 U	130 U	130 U
2-Chloronaphthalene	87.4 U	100 U	93.3 U	93.2 U	91.8 U
2-Nitroaniline	80.6 U	95.9 U	86 U	86 U	84.7 U
Dimethylphthalate	**410**	**490**	**450**	**390 J**	**460**
Acenaphthylene	**91.5 J**	**460**	**290 J**	**230 J**	**180 J**
2,6-Dinitrotoluene	82 U	97.4 U	87.4 U	87.4 U	86 U
3-Nitroaniline	150 U	180 U	160 U	160 U	160 U
Acenaphthene	78.6 U	93.5 U	83.9 U	83.8 U	82.6 U
2,4-Dinitrophenol	100 U	120 U	110 U	110 U	110 U
4-Nitrophenol	74.9 U	89 U	79.9 U	79.8 U	78.6 U
Dibenzofuran	100 U	120 U	110 U	110 U	110 U
2,4-Dinitrotoluene	96.5 U	110 U	100 U	100 U	100 U
Diethylphthalate	73.3 U	87.2 U	78.2 U	78.2 U	77 U
4-Chlorophenyl-phenylether	96.8 U	120 U	100 U	100 U	100 U
Fluorene	59.1 U	70.2 U	63 U	63 U	62 U
4-Nitroaniline	100 U	120 U	110 U	110 U	110 U
4,6-Dinitro-2-methylphenol	81 U	96.2 U	86.4 U	86.3 U	85 U
n-Nitrosodiphenylamine	89.7 U	110 U	95.7 U	95.6 U	94.2 U
4-Bromophenyl-phenylether	65.4 U	77.8 U	69.8 U	69.7 U	68.7 U
Hexachlorobenzene	77.1 U	91.7 U	82.3 U	82.2 U	81 U
Atrazine	92.1 U	110 U	98.3 U	98.2 U	96.7 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-1824-01	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01
Lab Sample ID	K2767-01	K2767-02	K2767-03	K2767-04	K2767-05
Sample weight (g)	30.04	30.09	30.15	30.03	30.08
Moisture (%)	13.9	27.7	19.6	19.2	18.1
Dilution Factor	1	1	1	1	1
Pentachlorophenol	120 U	150 U	130 U	130 U	130 U
Phenanthrene	**190 J**	**1500**	**980**	**900**	**650**
Anthracene	64.6 U	**290 J**	**170 J**	**150 J**	**110 J**
Carbazole	100 U	120 U	110 U	110 U	110 U
Di-n-butylphthalate	110 U	140 U	120 U	120 U	120 U
Fluoranthene	**300 J**	**2100**	**1300**	**1100**	**800**
Pyrene	**510**	**3600**	**2300**	**1800**	**1300**
Butylbenzylphthalate	74 U	88 U	79 U	78.9 U	77.7 U
3,3-Dichlorobenzidine	170 U	200 U	180 U	180 U	180 U
Benzo(a)anthracene	**210 J**	**1700**	**1100**	**830**	**610**
Chrysene	**260 J**	**2100**	**1300**	**1100**	**760**
Bis(2-ethylhexyl)phthalate	110 U	130 U	110 U	110 U	110 U
Di-n-octyl phthalate	82.7 U	98.3 U	88.2 U	88.1 U	86.8 UJ
Benzo(b)fluoranthene	**220 J**	**2000**	**1400**	**1100**	**740**
Benzo(k)fluoranthene	**98.7 J**	**600**	**390 J**	**340 J**	**280 J**
Benzo(a)pyrene	**170 J**	**1500**	**970**	**750**	**540**
Indeno(1,2,3-cd)pyrene	**130 J**	**1100**	**780**	**560**	**360 J**
Dibenzo(a,h)anthracene	60.7 U	**310 J**	**230 J**	**160 J**	**110 J**
Benzo(g,h,i)perylene	**180 J**	**1300**	**860**	**660**	**440**
1,2,4,5-Tetrachlorobenzene	90.7 U	110 U	96.8 U	96.7 U	95.2 U
1,4-Dioxane	140 U	160 U	140 U	140 U	140 U
2,3,4,6-Tetrachlorophenol	48.3 U	57.4 U	51.5 U	51.5 U	50.7 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS010-1824-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01
Lab Sample ID	K2767-06	K2767-07	K2767-08	K2767-09	K2767-10
Sample weight (g)	30.14	30.02	30.07	30.13	30.01
Moisture (%)	16.8	57	64.4	33.8	29.3
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	230 U	270 U	150 U	140 U
Phenol	75 U	150 U	180 U	94.3 U	88.6 U
bis(2-Chloroethyl)ether	120 U	240 U	290 U	160 U	150 U
2-Chlorophenol	78.8 U	150 U	180 U	99.1 U	93.2 U
2-Methylphenol	84 U	160 U	200 U	110 U	99.3 U
2,2-oxybis(1-Chloropropane)	110 U	210 U	250 U	130 U	130 U
Acetophenone	110 U	220 U	260 U	140 U	130 U
3+4-Methylphenols	120 U	230 U	280 U	150 U	140 U
n-Nitroso-di-n-propylamine	160 U	320 U	380 U	210 U	190 U
Hexachloroethane	100 U	200 U	240 U	130 U	120 U
Nitrobenzene	51.8 U	100 U	120 U	65.2 U	61.3 U
Isophorone	43.9 U	85.2 U	100 U	55.1 U	51.8 U
2-Nitrophenol	91.3 U	180 U	210 U	110 U	110 U
2,4-Dimethylphenol	66 U	130 U	150 U	83 U	78 U
bis(2-Chloroethoxy)methane	61.5 U	120 U	140 U	77.4 U	72.7 U
2,4-Dichlorophenol	61.3 U	120 U	140 U	77.1 U	72.5 U
Naphthalene	59.5 U	120 U	140 U	74.8 U	70.4 U
4-Chloroaniline	160 U	320 U	390 U	210 U	190 U
Hexachlorobutadiene	72.7 U	140 U	170 U	91.4 U	85.9 U
Caprolactam	130 U	260 U	310 U	170 U	160 U
4-Chloro-3-methylphenol	70.8 U	140 U	170 U	89 U	83.7 U
2-Methylnaphthalene	73.6 U	140 U	170 U	92.5 U	87 U
Hexachlorocyclopentadiene	270 U	520 U	620 U	330 U	310 U
2,4,6-Trichlorophenol	72.3 U	140 U	170 U	91 U	85.5 U
2,4,5-Trichlorophenol	70.7 U	140 U	170 U	88.9 U	83.6 U
1,1-Biphenyl	120 U	240 U	290 U	160 U	150 U
2-Chloronaphthalene	90.2 U	180 U	210 U	110 U	110 U
2-Nitroaniline	83.2 U	160 U	190 U	100 U	98.3 U
Dimethylphthalate	**350 J**	**1000**	**990**	**750**	**650**
Acenaphthylene	71.7 U	140 U	170 U	90.2 U	84.8 U
2,6-Dinitrotoluene	84.5 U	160 U	200 U	110 U	99.9 U
3-Nitroaniline	150 U	300 U	360 U	190 U	180 U
Acenaphthene	81.1 U	160 U	190 U	100 U	95.9 U
2,4-Dinitrophenol	100 U	200 U	250 U	130 U	120 U
4-Nitrophenol	77.2 U	150 U	180 U	97.1 U	91.3 U
Dibenzofuran	110 U	210 U	250 U	140 U	130 U
2,4-Dinitrotoluene	99.5 U	190 U	230 U	130 U	120 U
Diethylphthalate	75.6 U	150 U	180 U	95.1 U	89.4 U
4-Chlorophenyl-phenylether	99.8 U	190 U	230 U	130 U	120 U
Fluorene	60.9 U	120 U	140 U	76.6 U	72 U
4-Nitroaniline	100 U	200 U	250 U	130 U	120 U
4,6-Dinitro-2-methylphenol	83.5 U	160 U	200 U	100 U	98.7 U
n-Nitrosodiphenylamine	92.5 U	180 U	220 U	120 U	110 U
4-Bromophenyl-phenylether	67.5 U	130 U	160 U	84.8 U	79.7 U
Hexachlorobenzene	79.6 U	150 U	190 U	100 U	94 U
Atrazine	95 U	180 U	220 U	120 U	110 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS010-1824-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01
Lab Sample ID	K2767-06	K2767-07	K2767-08	K2767-09	K2767-10
Sample weight (g)	30.14	30.02	30.07	30.13	30.01
Moisture (%)	16.8	57	64.4	33.8	29.3
Dilution Factor	1	1	1	1	1
Pentachlorophenol	130 U	250 U	300 U	160 U	150 U
Phenanthrene	**92.6 J**	130 U	160 U	85.8 U	80.7 U
Anthracene	66.7 U	130 U	160 U	83.8 U	78.8 U
Carbazole	110 U	210 U	250 U	140 U	130 U
Di-n-butylphthalate	120 U	230 U	280 U	150 U	140 U
Fluoranthene	**160 J**	110 U	140 U	74.4 U	69.9 U
Pyrene	**290 J**	140 U	170 U	91.6 U	86.1 U
Butylbenzylphthalate	76.3 U	150 U	180 U	96 U	90.2 U
3,3-Dichlorobenzidine	180 U	340 U	410 U	220 U	210 U
Benzo(a)anthracene	**120 J**	87.4 U	110 U	56.6 U	53.2 U
Chrysene	**160 J**	98.9 U	120 U	64 U	60.1 U
Bis(2-ethylhexyl)phthalate	110 U	210 U	260 U	140 U	130 U
Di-n-octyl phthalate	85.3 U	170 UJ	200 U	110 U	100 U
Benzo(b)fluoranthene	**150 J**	110 U	140 U	73.1 U	68.8 U
Benzo(k)fluoranthene	67.4 U	130 U	160 U	84.7 U	79.6 U
Benzo(a)pyrene	**110 J**	100 U	120 U	66.7 U	62.7 U
Indeno(1,2,3-cd)pyrene	**92 J**	170 U	200 U	110 U	100 U
Dibenzo(a,h)anthracene	62.6 U	120 U	150 U	78.7 U	74 U
Benzo(g,h,i)perylene	**120 J**	140 U	170 U	91.9 U	86.4 U
1,2,4,5-Tetrachlorobenzene	93.6 U	180 U	220 U	120 U	110 U
1,4-Dioxane	140 U	270 U	330 U	180 U	170 U
2,3,4,6-Tetrachlorophenol	49.8 U	96.7 U	120 U	62.6 U	58.9 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02[1]	P026-SS012-0206-01	P026-SS012-0612-01
Lab Sample ID	K2767-11	K2767-12	K2767-15	K2767-16	K2767-17
Sample weight (g)	30.06	30.12	30.11	30.15	30.04
Moisture (%)	22.1	25.3	24.3	14	11.9
Dilution Factor	1	1, *10	1, *4	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	130 U	130 U	110 U	110 U
Phenol	80.3 U	83.6 U	82.5 U	72.5 U	71 U
bis(2-Chloroethyl)ether	130 U	140 U	140 U	120 U	120 U
2-Chlorophenol	84.4 U	87.9 U	86.7 U	76.2 U	74.7 U
2-Methylphenol	90 U	93.6 U	92.4 U	81.2 U	79.6 U
2,2-oxybis(1-Chloropropane)	110 U	120 U	120 U	100 U	100 U
Acetophenone	120 U	120 U	120 U	110 U	110 U
3+4-Methylphenols	130 U	130 U	130 U	110 U	110 U
n-Nitroso-di-n-propylamine	180 U	180 U	180 U	160 U	160 U
Hexachloroethane	110 U	110 U	110 U	97.5 U	95.5 U
Nitrobenzene	55.5 U	57.8 U	57 U	50.1 U	49.1 U
Isophorone	47 U	48.9 U	48.2 U	42.4 U	41.5 U
2-Nitrophenol	97.8 UJ	100 U	100 U	88.3 U	86.5 UJ
2,4-Dimethylphenol	70.7 U	73.6 U	72.6 U	63.9 U	62.6 U
bis(2-Chloroethoxy)methane	65.9 U	68.6 U	67.7 U	59.5 U	58.3 U
2,4-Dichlorophenol	65.7 U	68.4 U	67.5 U	59.3 U	58.1 U
Naphthalene	63.7 U	**700 J**	**1000**	**130 J**	56.4 U
4-Chloroaniline	180 U	180 UJ	180 U	160 U	160 U
Hexachlorobutadiene	77.8 U	81 U	80 U	70.3 U	68.9 U
Caprolactam	140 U	150 U	150 U	130 U	130 UJ
4-Chloro-3-methylphenol	75.8 U	78.9 U	77.9 U	68.5 U	67.1 U
2-Methylnaphthalene	78.8 U	**480**	**710**	**90.2 J**	69.7 U
Hexachlorocyclopentadiene	280 U	300 U	290 U	260 U	250 U
2,4,6-Trichlorophenol	77.5 U	80.6 U	79.6 U	70 U	68.6 U
2,4,5-Trichlorophenol	75.8 U	78.8 U	77.8 U	68.4 U	67 U
1,1-Biphenyl	130 U	**170 J**	**250 J**	120 U	120 U
2-Chloronaphthalene	96.6 U	100 U	99.2 U	87.2 U	85.4 U
2-Nitroaniline	89.1 U	92.7 U	91.5 U	80.4 U	78.8 U
Dimethylphthalate	**550**	**510**	**530**	**510**	**470**
Acenaphthylene	76.8 U	**1200 J**	**1700**	**420**	68 U
2,6-Dinitrotoluene	90.5 U	94.2 U	93 U	81.7 U	80.1 U
3-Nitroaniline	170 U	170 U	170 U	150 U	150 U
Acenaphthene	86.9 U	90.4 U	89.2 U	78.5 U	76.9 U
2,4-Dinitrophenol	110 UJ	120 U	120 U	100 U	99.3 U
4-Nitrophenol	82.7 U	86.1 U	85 U	74.7 U	73.2 U
Dibenzofuran	120 U	120 U	120 U	100 U	100 U
2,4-Dinitrotoluene	110 UJ	110 U	110 U	96.2 U	94.3 U
Diethylphthalate	81 U	84.3 U	83.2 U	73.1 U	71.7 U
4-Chlorophenyl-phenylether	110 U	110 U	110 U	96.5 U	94.6 U
Fluorene	65.3 U	**220 J**	**330 J**	58.9 U	57.7 U
4-Nitroaniline	110 U	120 UJ	120 U	100 U	99.2 U
4,6-Dinitro-2-methylphenol	89.4 UJ	93.1 U	91.9 U	80.8 U	79.1 UJ
n-Nitrosodiphenylamine	99.1 U	100 U	100 U	89.5 U	87.7 U
4-Bromophenyl-phenylether	72.3 U	75.2 U	74.2 U	65.3 U	63.9 U
Hexachlorobenzene	85.2 U	88.7 U	87.5 U	76.9 U	75.4 U
Atrazine	100 U	110 U	100 U	91.9 U	90 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02[1]	P026-SS012-0206-01	P026-SS012-0612-01
Lab Sample ID	K2767-11	K2767-12	K2767-15	K2767-16	K2767-17
Sample weight (g)	30.06	30.12	30.11	30.15	30.04
Moisture (%)	22.1	25.3	24.3	14	11.9
Dilution Factor	1	1, *10	1, *4	1	1
Pentachlorophenol	140 U	140 U	140 U	120 U	120 U
Phenanthrene	73.1 U	**3500 J**	***7500**	**720**	**77.9 J**
Anthracene	71.4 U	**600**	**960**	**200 J**	63.2 U
Carbazole	120 U	120 U	120 U	100 U	100 U
Di-n-butylphthalate	130 U	130 U	130 U	110 U	110 U
Fluoranthene	63.4 U	**3800 J**	***8600**	**1200**	**160 J**
Pyrene	78 U	***11100**	***13500**	**2100**	**300 J**
Butylbenzylphthalate	81.7 U	85.1 U	84 U	73.8 U	72.3 UJ
3,3-Dichlorobenzidine	190 U	200 UJ	190 U	170 U	170 U
Benzo(a)anthracene	48.2 U	**4200 J**	***6200**	**1200**	**140 J**
Chrysene	54.5 U	***5500**	***7700**	**1400**	**190 J**
Bis(2-ethylhexyl)phthalate	120 U	120 U	120 U	110 U	100 U
Di-n-octyl phthalate	91.3 U	95 UJ	93.8 U	82.5 U	80.8 UJ
Benzo(b)fluoranthene	62.3 U	**3900 J**	***7100**	**1500**	**210 J**
Benzo(k)fluoranthene	72.2 U	**1500 J**	**1600**	**440**	63.8 U
Benzo(a)pyrene	56.8 U	**3700 J**	***6100**	**1300**	**150 J**
Indeno(1,2,3-cd)pyrene	92.6 U	**2900**	**3700**	**910**	**100 J**
Dibenzo(a,h)anthracene	67 U	**720**	**980**	**270 J**	59.3 U
Benzo(g,h,i)perylene	78.3 U	**2900 J**	**4100**	**1100**	**160 J**
1,2,4,5-Tetrachlorobenzene	100 U	100 U	100 U	90.5 U	88.7 U
1,4-Dioxane	150 U	160 U	150 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	53.3 U	55.5 U	54.8 U	48.2 U	47.2 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01
Lab Sample ID	K2767-18	K2767-19	K2767-20	K2767-21
Sample weight (g)	30.1	30.14	30.03	30.09
Moisture (%)	14	17.6	25.7	22.4
Dilution Factor	1	1	5	1
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	110 U	120 U	660 U	630 U
Phenol	72.6 U	75.7 U	420 U	400 U
bis(2-Chloroethyl)ether	120 U	120 U	700 U	660 U
2-Chlorophenol	76.4 U	79.6 U	440 U	420 U
2-Methylphenol	81.4 U	84.8 U	470 U	450 U
2,2-oxybis(1-Chloropropane)	100 U	110 U	600 U	570 U
Acetophenone	110 U	110 U	630 U	600 U
3+4-Methylphenols	110 U	120 U	660 U	630 U
n-Nitroso-di-n-propylamine	160 U	170 U	920 U	880 U
Hexachloroethane	97.6 U	100 U	570 U	540 U
Nitrobenzene	50.2 U	52.3 U	290 U	280 U
Isophorone	42.5 U	44.3 U	250 U	240 U
2-Nitrophenol	88.4 UJ	92.2 UJ	510 U	490 U
2,4-Dimethylphenol	64 U	66.7 U	370 U	350 U
bis(2-Chloroethoxy)methane	59.6 U	62.1 U	350 U	330 U
2,4-Dichlorophenol	59.4 U	61.9 U	340 U	330 U
Naphthalene	57.7 U	60.1 U	**560 J**	**910 J**
4-Chloroaniline	160 U	170 U	920 U	880 U
Hexachlorobutadiene	70.4 U	73.4 U	410 U	390 U
Caprolactam	130 U	140 U	750 U	720 U
4-Chloro-3-methylphenol	68.6 U	71.5 U	400 U	380 U
2-Methylnaphthalene	71.3 U	74.3 U	410 U	**540 J**
Hexachlorocyclopentadiene	260 U	270 U	1500 U	1400 U
2,4,6-Trichlorophenol	70.1 U	73 U	410 U	390 U
2,4,5-Trichlorophenol	68.5 U	71.4 U	400 U	380 U
1,1-Biphenyl	120 U	130 U	700 U	670 U
2-Chloronaphthalene	87.3 U	91 U	510 U	480 U
2-Nitroaniline	80.6 U	84 U	470 U	450 U
Dimethylphthalate	**570**	**600**	340 U	320 U
Acenaphthylene	69.5 U	72.4 U	**860 J**	**1500 J**
2,6-Dinitrotoluene	81.9 U	85.3 U	470 U	450 U
3-Nitroaniline	150 U	160 U	870 U	830 U
Acenaphthene	78.6 U	81.9 U	460 U	440 U
2,4-Dinitrophenol	100 UJ	110 UJ	590 U	560 U
4-Nitrophenol	74.8 U	78 U	430 U	410 U
Dibenzofuran	100 U	110 U	600 U	580 U
2,4-Dinitrotoluene	96.4 UJ	100 UJ	560 U	530 U
Diethylphthalate	73.3 U	76.4 U	420 U	410 U
4-Chlorophenyl-phenylether	96.7 U	100 U	560 U	540 U
Fluorene	59 U	61.5 U	340 U	330 U
4-Nitroaniline	100 U	110 U	590 U	560 U
4,6-Dinitro-2-methylphenol	80.9 UJ	84.3 UJ	470 U	450 U
n-Nitrosodiphenylamine	89.6 U	93.4 U	520 U	500 U
4-Bromophenyl-phenylether	65.4 U	68.1 U	380 U	360 U
Hexachlorobenzene	77.1 U	80.3 U	450 U	430 U
Atrazine	92 U	95.9 U	530 U	510 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 6, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01
Lab Sample ID	K2767-18	K2767-19	K2767-20	K2767-21
Sample weight (g)	30.1	30.14	30.03	30.09
Moisture (%)	14	17.6	25.7	22.4
Dilution Factor	1	1	5	1
Pentachlorophenol	120 U	130 U	720 U	690 U
Phenanthrene	66.1 U	68.9 U	**3400**	**6000**
Anthracene	64.6 U	67.3 U	**640 J**	**1000 J**
Carbazole	100 U	110 U	600 U	580 U
Di-n-butylphthalate	110 U	120 U	660 U	630 U
Fluoranthene	**82.4 J**	59.7 U	**4300**	**7200**
Pyrene	**160 J**	73.6 U	**6400**	**10500**
Butylbenzylphthalate	73.9 U	77.1 U	430 U	410 U
3,3-Dichlorobenzidine	170 U	180 U	990 U	950 U
Benzo(a)anthracene	43.6 U	45.4 U	**3200**	**5100**
Chrysene	**81.1 J**	51.4 U	**3300**	**5900**
Bis(2-ethylhexyl)phthalate	110 U	110 U	620 U	590 U
Di-n-octyl phthalate	82.6 U	86.1 U	480 U	460 U
Benzo(b)fluoranthene	56.4 U	58.7 U	**3400**	**5900**
Benzo(k)fluoranthene	65.3 U	68 U	**930 J**	**1300 J**
Benzo(a)pyrene	51.4 U	53.6 U	**2400**	**4100**
Indeno(1,2,3-cd)pyrene	83.8 U	87.3 U	**1400 J**	**2700**
Dibenzo(a,h)anthracene	60.6 U	63.2 U	350 U	**760 J**
Benzo(g,h,i)perylene	70.8 U	73.8 U	**1900 J**	**3300**
1,2,4,5-Tetrachlorobenzene	90.6 U	94.5 U	530 U	500 U
1,4-Dioxane	140 U	140 U	790 U	750 U
2,3,4,6-Tetrachlorophenol	48.2 U	50.3 U	280 U	270 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

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Cover Page

Order ID : K2767

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2767-01	P026-SS009-1824-01
K2767-02	P026-SS010-0002-01
K2767-03	P026-SS010-0206-01
K2767-04	P026-SS010-0612-01
K2767-05	P026-SS010-1218-01
K2767-06	P026-SS010-1824-01
K2767-07	P026-SS011-0002-01
K2767-08	P026-SS011-0206-01
K2767-09	P026-SS011-0612-01
K2767-10	P026-SS011-1218-01
K2767-11	P026-SS011-1824-01
K2767-12	P026-SS012-0002-01
K2767-13	K2767-12MS
K2767-14	K2767-12MSD
K2767-15	P026-SS012-0002-02
K2767-16	P026-SS012-0206-01
K2767-17	P026-SS012-0612-01
K2767-18	P026-SS012-1218-01
K2767-19	P026-SS012-1824-01
K2767-20	P026-SS013-0002-01
K2767-21	P026-SS013-0206-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED Date: 5/17/2019

By Mildred V Reyes, QAQC Supervisor at 3:57 pm, May 17, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2767
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {K2767-13MS} with File ID: BF114227.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[0%], 4-Nitroaniline[31%], Benzo(a)anthracene[32%], Benzo(a)pyrene[0%], Benzo(b)fluoranthene[-14%], Benzo(g,h,i)perylene[18%], Benzo(k)fluoranthene[27%], Chrysene[-5%], Fluoranthene[-77%] and Pyrene[209%]

The MSD {K2767-14MSD} with File ID: BF114228.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[0%], 4-Chloroaniline[8%], 4-Nitroaniline[27%], Acenaphthylene[41%], Benzo(a)pyrene[18%], Benzo(b)fluoranthene[14%], Benzo(g,h,i)perylene[18%], Benzo(k)fluoranthene[23%], Fluoranthene[-45%], Phenanthrene[168%] and Pyrene[295%] due to matrix interference The MS/MSD is failing for above compounds..

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The RPD for {K2767-14MSD} with File ID: BF114228.D met criteria except for 2,4,5-Trichlorophenol[21%], 2,4-Dinitrophenol[32%], 3-Nitroaniline[47%], 4,6-Dinitro-2-methylphenol[22%], 4-Chloroaniline[55%], 4-Nitrophenol[26%], Benzo(a)anthracene[83%], Benzo(a)pyrene[200%], Caprolactam[39%], Chrysene[244%], Dibenz(a,h)anthracene[30%], Fluoranthene[52%], Naphthalene[24%], Phenanthrene[43%] and Pyrene[34%] due to matrix interference.

The Blank Spike for {PB119647BS} with File ID: BG040874.D met requirements for all samples except for 2,4-Dinitrophenol[115%] .The associate samples have no positive hit for this compounds,therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine,2,4-Dinitrophenol these compounds are passing on Linear regression.

The %RSD is greater than 15% in theInitial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol these compound are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, these compound are passing on Linear regression.

The Continuous Calibration File ID BF114221.D met the requirements except for Di-n-octyl phthalate is failing high but no positive hit in any associate samples so no corrective action taken.

The Continuous Calibration File ID BG040873.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol and 4,6-Dinitro-2-methylphenol is failing high but no positive hit in any associate samples so no corrective action taken.

The Continuous Calibration File ID BG040892.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene,2-Nitrophenol and 4,6-Dinitro-2-methylphenol is failing high but no positive hit in any associate samples so no corrective action taken.

The Continuous Calibration File ID BM020292.D met the requirements except for Indeno(1,2,3-cd)pyrene is failing bias high but no positive hit in any associate samples so no corrective action taken.

The Continuous Calibration File ID BM020311.D met the requirements except for 2,4-Dinitrophenol,2-Nitrophenol,4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, Caprolactam, Di-n-octyl phthalate and 2,4,6-Tribromophenol are failing high but no positive hit in any associate samples so no corrective action taken.

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The Tuning criteria met requirements.

Samples P026-SS013-0002-01, P026-SS013-0206-01 was diluted due to bad matrix. Samples P026-SS012-0002-01, P026-SS012-0002-02 were diluted due to high concentrations.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

Concentration of SOIL Sample:

Concentration ug/Kg,

$$\text{(dry weight basis)} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vi)\,(Wt)\,(D)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

$$D = \%\text{ dry weight or } \frac{100 - \%Moisture}{100}$$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.
Signature_

Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:57 pm, May 17, 2019

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2767

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/17/2019

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:57 pm, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020308.D	1	05/11/19 09:58	05/12/19 20:54	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.7	U	72.7	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.4	U	76.4	380	ug/Kg
95-48-7	2-Methylphenol	81.4	U	81.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	97.7	U	97.7	380	ug/Kg
98-95-3	Nitrobenzene	50.3	U	50.3	380	ug/Kg
78-59-1	Isophorone	42.5	U	42.5	380	ug/Kg
88-75-5	2-Nitrophenol	88.5	U	88.5	380	ug/Kg
105-67-9	2,4-Dimethylphenol	64	U	64	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.7	U	59.7	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.5	U	59.5	380	ug/Kg
91-20-3	Naphthalene	57.7	U	57.7	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.5	U	70.5	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.6	U	68.6	380	ug/Kg
91-57-6	2-Methylnaphthalene	71.3	U	71.3	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.1	U	70.1	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.6	U	68.6	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.4	U	87.4	380	ug/Kg
88-74-4	2-Nitroaniline	80.6	U	80.6	380	ug/Kg
131-11-3	Dimethylphthalate	410		58.6	380	ug/Kg
208-96-8	Acenaphthylene	91.5	J	69.5	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	82	U	82	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020308.D	1	05/11/19 09:58	05/12/19 20:54	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.6	U	78.6	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	74.9	U	74.9	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.5	U	96.5	380	ug/Kg
84-66-2	Diethylphthalate	73.3	U	73.3	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.8	U	96.8	380	ug/Kg
86-73-7	Fluorene	59.1	U	59.1	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81	U	81	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.7	U	89.7	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.4	U	65.4	380	ug/Kg
118-74-1	Hexachlorobenzene	77.1	U	77.1	380	ug/Kg
1912-24-9	Atrazine	92.1	U	92.1	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	190	J	66.2	380	ug/Kg
120-12-7	Anthracene	64.6	U	64.6	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	300	J	57.4	380	ug/Kg
129-00-0	Pyrene	510		70.6	380	ug/Kg
85-68-7	Butylbenzylphthalate	74	U	74	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	210	J	43.6	380	ug/Kg
218-01-9	Chrysene	260	J	49.3	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.7	U	82.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	220	J	56.4	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	98.7	J	65.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	51.4	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	83.9	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.7	U	60.7	380	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020308.D	1	05/11/19 09:58	05/12/19 20:54	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	180	J	70.9	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.7	U	90.7	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.3	U	48.3	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	75%	SPK: 150
13127-88-3	Phenol-d6	109		34 - 127	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.8		31 - 132	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.4		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		30 - 133	74%	SPK: 150
1718-51-0	Terphenyl-d14	52		37 - 115	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61763	7.76			
1146-65-2	Naphthalene-d8	200444	10.56			
15067-26-2	Acenaphthene-d10	121942	14.41			
1517-22-2	Phenanthrene-d10	295276	17.16			
1719-03-5	Chrysene-d12	346013	21.34			
1520-96-3	Perylene-d12	419589	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3600	J		7.29	ug/Kg
000108-46-3	Resorcinol	260	J		11.62	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	180	J		18.04	ug/Kg
000610-48-0	Anthracene, 1-methyl-	94.7	J		18.08	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	120	J		18.22	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	130	J		18.95	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	91.6	J		19.1	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es unknown	160	J		21.04	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	90.1	J		21.56	ug/Kg
000192-97-2	Benzo[e]pyrene	240	J		23.43	ug/Kg

6/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020308.D	1	05/11/19 09:58	05/12/19 20:54	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory In-house Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 ul.
Soil Aliquot Vol:	ul.	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114198.D	1	05/11/19 09:58	05/12/19 17:48	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	460	ug/Kg
108-95-2	Phenol	86.4	U	86.4	460	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	460	ug/Kg
95-57-8	2-Chlorophenol	90.9	U	90.9	460	ug/Kg
95-48-7	2-Methylphenol	96.8	U	96.8	460	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	460	ug/Kg
98-86-2	Acetophenone	130	U	130	460	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	460	ug/Kg
67-72-1	Hexachloroethane	120	U	120	460	ug/Kg
98-95-3	Nitrobenzene	59.7	U	59.7	460	ug/Kg
78-59-1	Isophorone	50.5	U	50.5	460	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	460	ug/Kg
105-67-9	2,4-Dimethylphenol	76.1	U	76.1	460	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	70.9	U	70.9	460	ug/Kg
120-83-2	2,4-Dichlorophenol	70.7	U	70.7	460	ug/Kg
91-20-3	Naphthalene	250	J	68.6	460	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	460	ug/Kg
87-68-3	Hexachlorobutadiene	83.8	U	83.8	460	ug/Kg
105-60-2	Caprolactam	150	U	150	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.6	U	81.6	460	ug/Kg
91-57-6	2-Methylnaphthalene	170	J	84.8	460	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.4	U	83.4	460	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.5	U	81.5	460	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	460	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	460	ug/Kg
88-74-4	2-Nitroaniline	95.9	U	95.9	460	ug/Kg
131-11-3	Dimethylphthalate	490		69.7	460	ug/Kg
208-96-8	Acenaphthylene	460		82.7	460	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.4	U	97.4	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114198.D	1	05/11/19 09:58	05/12/19 17:48	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	460	ug/Kg
83-32-9	Acenaphthene	93.5	U	93.5	460	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U~~J~~	120	460	ug/Kg
100-02-7	4-Nitrophenol	89	U	89	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	460	ug/Kg
84-66-2	Diethylphthalate	87.2	U	87.2	460	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	460	ug/Kg
86-73-7	Fluorene	70.2	U	70.2	460	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	460	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.2	U	96.2	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	460	ug/Kg
101-55-3	4-Bromophenyl-phenylether	77.8	U	77.8	460	ug/Kg
118-74-1	Hexachlorobenzene	91.7	U	91.7	460	ug/Kg
1912-24-9	Atrazine	110	U	110	460	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	460	ug/Kg
85-01-8	Phenanthrene	1500		78.7	460	ug/Kg
120-12-7	Anthracene	290	J	76.9	460	ug/Kg
86-74-8	Carbazole	120	U	120	460	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	460	ug/Kg
206-44-0	Fluoranthene	2100		68.2	460	ug/Kg
129-00-0	Pyrene	3600		84	460	ug/Kg
85-68-7	Butylbenzylphthalate	88	U	88	460	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	460	ug/Kg
56-55-3	Benzo(a)anthracene	1700		51.8	460	ug/Kg
218-01-9	Chrysene	2100		58.7	460	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	460	ug/Kg
117-84-0	Di-n-octyl phthalate	98.3	U	98.3	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		67.1	460	ug/Kg
207-08-9	Benzo(k)fluoranthene	600		77.7	460	ug/Kg
50-32-8	Benzo(a)pyrene	1500		61.1	460	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		99.7	460	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	310	J	72.1	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114198.D	1	05/11/19 09:58	05/12/19 17:48	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1300		84.3	460	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	460	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	460	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.4	U	57.4	460	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.7		28 - 127	52%	SPK: 150
13127-88-3	Phenol-d6	87.8		34 - 127	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.7		31 - 132	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.6		39 - 123	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.6		30 - 133	52%	SPK: 150
1718-51-0	Terphenyl-d14	47.1		37 - 115	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	285571	6.85			
1146-65-2	Naphthalene-d8	1061760	8.13			
15067-26-2	Acenaphthene-d10	493779	9.89			
1517-22-2	Phenanthrene-d10	906020	11.37			
1719-03-5	Chrysene-d12	553479	14.02			
1520-96-3	Perylene-d12	639192	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- Unknown	560	J		2.12	ug/Kg
	unknown6.63	2800	J		6.63	ug/Kg
65-85-0	Benzoic acid	340	J		7.86	ug/Kg
000108-46-3	Resorcinol	1200	J N		8.59	ug/Kg
000613-12-7	Anthracene, 2-methyl-	510	J N		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	830	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	790	J N		11.99	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	410	J N		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	450	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	510	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	600	J N		12.43	ug/Kg
	unknown12.46	360	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	490	J N		12.52	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	27.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114198.D	1	05/11/19 09:58	05/12/19 17:48	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d unknown	400	J		12.68	ug/Kg
002498-77-3	Benz[a]anthracene, 1-methyl-	260	J N		14.4	ug/Kg
066788-01-0	Benzo(e)pyrene, 9,10-dihydro- unknown	310	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J N		15.17	ug/Kg
	unknown15.37	1500	J		15.37	ug/Kg
014811-95-1	1,19-Eicosadiene unknown	260	J		15.7	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	260	J N		15.93	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114199.D	1	05/11/19 09:58	05/12/19 18:14	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.6	U	77.6	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.6	U	81.6	410	ug/Kg
95-48-7	2-Methylphenol	86.9	U	86.9	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.6	U	53.6	410	ug/Kg
78-59-1	Isophorone	45.4	U	45.4	410	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.3	U	68.3	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.7	U	63.7	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.5	U	63.5	410	ug/Kg
91-20-3	Naphthalene	130	J	61.6	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.2	U	75.2	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.2	U	73.2	410	ug/Kg
91-57-6	2-Methylnaphthalene	86.2	J	76.1	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.2	U	73.2	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.3	U	93.3	410	ug/Kg
88-74-4	2-Nitroaniline	86	U	86	410	ug/Kg
131-11-3	Dimethylphthalate	450		62.5	410	ug/Kg
208-96-8	Acenaphthylene	290	J	74.2	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114199.D	1	05/11/19 09:58	05/12/19 18:14	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.9	U	83.9	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U~~p~~	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.9	U	79.9	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.2	U	78.2	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63	U	63	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.4	U	86.4	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.7	U	95.7	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.8	U	69.8	410	ug/Kg
118-74-1	Hexachlorobenzene	82.3	U	82.3	410	ug/Kg
1912-24-9	Atrazine	98.3	U	98.3	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	980		70.6	410	ug/Kg
120-12-7	Anthracene	170	J	69	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	1300		61.2	410	ug/Kg
129-00-0	Pyrene	2300		75.4	410	ug/Kg
85-68-7	Butylbenzylphthalate	79	U	79	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	1100		46.5	410	ug/Kg
218-01-9	Chrysene	1300		52.6	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.2	U	88.2	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		60.2	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	390	J	69.7	410	ug/Kg
50-32-8	Benzo(a)pyrene	970		54.9	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	780		89.5	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	J	64.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114199.D	1	05/11/19 09:58	05/12/19 18:14	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	860		75.6	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.8	U	96.8	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.5	U	51.5	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.7		28 - 127	48%	SPK: 150
13127-88-3	Phenol-d6	81.2		34 - 127	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	56		31 - 132	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.7		39 - 123	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75		30 - 133	50%	SPK: 150
1718-51-0	Terphenyl-d14	45.1		37 - 115	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	309779	6.85			
1146-65-2	Naphthalene-d8	1157070	8.13			
15067-26-2	Acenaphthene-d10	532899	9.89			
1517-22-2	Phenanthrene-d10	977248	11.37			
1719-03-5	Chrysene-d12	608423	14.02			
1520-96-3	Perylene-d12	715604	15.49			
TENTATIVE IDENTIFIED COMPOUNDS unknown						
000994-05-8	Butane, 2-methoxy-2-methyl-	630	J		2.12	ug/Kg
	unknown6.63	2300	J		6.63	ug/Kg
65-85-0	Benzoic acid	310	J		7.86	ug/Kg
000108-46-3	Resorcinol	690	J N		8.59	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	320	J N		11.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	570	J N		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	490	J N		11.99	ug/Kg
000613-12-7	Anthracene, 2-methyl-	240	J N		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	320	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	320	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	390	J N		12.43	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	220	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	280	J N		12.51	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.6
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114199.D	1	05/11/19 09:58	05/12/19 18:14	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d unknown	250	J		12.68	ug/Kg
002381-21-7	Pyrene, 1-methyl-	210	J N		13.03	ug/Kg
001599-67-3	1-Docosene	280	J N		13.84	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	250	J N		14.16	ug/Kg
066788-01-0	Benzo(e)pyrene, 9,10-dihydro- unknown	230	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	210	J N		15.17	ug/Kg
	unknown15.36	1100	J		15.36	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114200.D	1	05/11/19 09:58	05/12/19 18:40	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.5	U	77.5	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.5	U	81.5	410	ug/Kg
95-48-7	2-Methylphenol	86.8	U	86.8	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.6	U	53.6	410	ug/Kg
78-59-1	Isophorone	45.3	U	45.3	410	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.2	U	68.2	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.6	U	63.6	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.4	U	63.4	410	ug/Kg
91-20-3	Naphthalene	130	J	61.5	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.1	U	75.1	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.1	U	73.1	410	ug/Kg
91-57-6	2-Methylnaphthalene	95	J	76	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.1	U	73.1	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.2	U	93.2	410	ug/Kg
88-74-4	2-Nitroaniline	86	U	86	410	ug/Kg
131-11-3	Dimethylphthalate	390	J	62.5	410	ug/Kg
208-96-8	Acenaphthylene	230	J	74.1	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114200.D	1	05/11/19 09:58	05/12/19 18:40	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	83.8	U	83.8	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	UJ	110	410	ug/Kg
100-02-7	4-Nitrophenol	79.8	U	79.8	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.2	U	78.2	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63	U	63	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.3	U	86.3	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.6	U	95.6	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.7	U	69.7	410	ug/Kg
118-74-1	Hexachlorobenzene	82.2	U	82.2	410	ug/Kg
1912-24-9	Atrazine	98.2	U	98.2	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	900		70.5	410	ug/Kg
120-12-7	Anthracene	150	J	68.9	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	1100		61.2	410	ug/Kg
129-00-0	Pyrene	1800		75.3	410	ug/Kg
85-68-7	Butylbenzylphthalate	78.9	U	78.9	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	830		46.5	410	ug/Kg
218-01-9	Chrysene	1100		52.6	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.1	U	88.1	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		60.1	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	340	J	69.6	410	ug/Kg
50-32-8	Benzo(a)pyrene	750		54.8	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	560		89.4	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	J	64.7	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114200.D	1	05/11/19 09:58	05/12/19 18:40	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	660		75.5	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.7	U	96.7	410	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.5	U	51.5	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	65.6		28 - 127	44%	SPK: 150
13127-88-3	Phenol-d6	78.7		34 - 127	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		31 - 132	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.8		39 - 123	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72		30 - 133	48%	SPK: 150
1718-51-0	Terphenyl-d14	42.7		37 - 115	43%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	248026	6.85			
1146-65-2	Naphthalene-d8	950690	8.13			
15067-26-2	Acenaphthene-d10	434343	9.89			
1517-22-2	Phenanthrene-d10	800659	11.37			
1719-03-5	Chrysene-d12	525264	14.02			
1520-96-3	Perylene-d12	583121	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.63	2100	J		6.63	ug/Kg
000613-12-7	Anthracene, 2-methyl-	300	J N		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	490	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	440	J N		11.98	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	200	J N		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	240	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	260	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	360	J N		12.42	ug/Kg
001576-69-8	Phenanthrene, 2,7-dimethyl- unknown	170	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	250	J N		12.51	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d unknown	220	J		12.68	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J N		13.03	ug/Kg
003353-12-6	Pyrene, 4-methyl-	170	J N		13.25	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114200.D	1	05/11/19 09:58	05/12/19 18:40	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
959085-66-6	Heptadecyl heptafluorobutyrate	250	J N		13.85	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	220	J N		14.16	ug/Kg
002541-69-7	Benz[a]anthracene, 7-methyl-	180	J N		14.4	ug/Kg
~~000604-53-5~~	~~1,1~~-Binaphthalene unknown	210	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	190	J N		15.16	ug/Kg
000205-82-3	Benzo[j]fluoranthene	910	J N		15.36	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114237.D	1	05/11/19 09:58	05/13/19 18:52	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	76.3	U	76.3	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	80.2	U	80.2	400	ug/Kg
95-48-7	2-Methylphenol	85.5	U	85.5	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.8	U	52.8	400	ug/Kg
78-59-1	Isophorone	44.6	U	44.6	400	ug/Kg
88-75-5	2-Nitrophenol	92.9	U	92.9	400	ug/Kg
105-67-9	2,4-Dimethylphenol	67.2	U	67.2	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.6	U	62.6	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62.4	U	62.4	400	ug/Kg
91-20-3	Naphthalene	130	J	60.6	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	74	U	74	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72	U	72	400	ug/Kg
91-57-6	2-Methylnaphthalene	91.3	J	74.9	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.6	U	73.6	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72	U	72	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91.8	U	91.8	400	ug/Kg
88-74-4	2-Nitroaniline	84.7	U	84.7	400	ug/Kg
131-11-3	Dimethylphthalate	460		61.5	400	ug/Kg
208-96-8	Acenaphthylene	180	J	73	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	86	U	86	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114237.D	1	05/11/19 09:58	05/13/19 18:52	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82.6	U	82.6	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.6	U	78.6	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	77	U	77	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	62	U	62	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85	U	85	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.2	U	94.2	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.7	U	68.7	400	ug/Kg
118-74-1	Hexachlorobenzene	81	U	81	400	ug/Kg
1912-24-9	Atrazine	96.7	U	96.7	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	650		69.5	400	ug/Kg
120-12-7	Anthracene	110	J	67.9	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	800		60.2	400	ug/Kg
129-00-0	Pyrene	1300		74.1	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.7	U	77.7	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	610		45.8	400	ug/Kg
218-01-9	Chrysene	760		51.8	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U J	86.8	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	740		59.2	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	J	68.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	540		54	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	360	J	88.1	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	J	63.7	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114237.D	1	05/11/19 09:58	05/13/19 18:52	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	440		74.4	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.2	U	95.2	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.7	U	50.7	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	104		28 - 127	69%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.3		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.1		39 - 123	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		30 - 133	74%	SPK: 150
1718-51-0	Terphenyl-d14	61.1		37 - 115	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	248069	6.86			
1146-65-2	Naphthalene-d8	930253	8.14			
15067-26-2	Acenaphthene-d10	428839	9.89			
1517-22-2	Phenanthrene-d10	789273	11.37			
1719-03-5	Chrysene-d12	525414	14.03			
1520-96-3	Perylene-d12	564402	15.53			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	840	J		2.12	ug/Kg
	unknown6.63	3300	J		6.63	ug/Kg
000610-48-0	Anthracene, 1-methyl-	190	J N		11.88	ug/Kg
000613-12-7	Anthracene, 2-methyl-	530	J N		11.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	310	J N		11.99	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	170	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	180	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	250	J N		12.43	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	140	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	160	J N		12.52	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J N		13.04	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	140	J N		13.25	ug/Kg
001599-67-3	1-Docosene	410	J N		13.85	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114237.D	1	05/11/19 09:58	05/13/19 18:52	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000082-05-3	7H-Benz[de]anthracen-7-one	190	J N		14.18	ug/Kg
007206-19-1	3-Octadecene, (E)- unknown	270	J		14.51	ug/Kg
000111-02-4	Squalene	200	J N		14.89	ug/Kg
000192-97-2	Benzo[e]pyrene	690	J N		15.4	ug/Kg
000629-97-0	Docosane	200	J N		15.97	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.8
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020298.D	1	05/11/19 09:58	05/12/19 14:55	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	75	U	75	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78.8	U	78.8	390	ug/Kg
95-48-7	2-Methylphenol	84	U	84	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	100	U	100	390	ug/Kg
98-95-3	Nitrobenzene	51.8	U	51.8	390	ug/Kg
78-59-1	Isophorone	43.9	U	43.9	390	ug/Kg
88-75-5	2-Nitrophenol	91.3	U	91.3	390	ug/Kg
105-67-9	2,4-Dimethylphenol	66	U	66	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.5	U	61.5	390	ug/Kg
120-83-2	2,4-Dichlorophenol	61.3	U	61.3	390	ug/Kg
91-20-3	Naphthalene	59.5	U	59.5	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	72.7	U	72.7	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.8	U	70.8	390	ug/Kg
91-57-6	2-Methylnaphthalene	73.6	U	73.6	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.3	U	72.3	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.7	U	70.7	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	90.2	U	90.2	390	ug/Kg
88-74-4	2-Nitroaniline	83.2	U	83.2	390	ug/Kg
131-11-3	Dimethylphthalate	350	J	60.4	390	ug/Kg
208-96-8	Acenaphthylene	71.7	U	71.7	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.5	U	84.5	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.8
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020298.D	1	05/11/19 09:58	05/12/19 14:55	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UJ	100	390	ug/Kg
100-02-7	4-Nitrophenol	77.2	U	77.2	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.5	U	99.5	390	ug/Kg
84-66-2	Diethylphthalate	75.6	U	75.6	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.8	U	99.8	390	ug/Kg
86-73-7	Fluorene	60.9	U	60.9	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.5	U	83.5	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.5	U	92.5	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.5	U	67.5	390	ug/Kg
118-74-1	Hexachlorobenzene	79.6	U	79.6	390	ug/Kg
1912-24-9	Atrazine	95	U	95	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	92.6	J	68.3	390	ug/Kg
120-12-7	Anthracene	66.7	U	66.7	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	160	J	59.2	390	ug/Kg
129-00-0	Pyrene	290	J	72.8	390	ug/Kg
85-68-7	Butylbenzylphthalate	76.3	U	76.3	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	45	390	ug/Kg
218-01-9	Chrysene	160	J	50.9	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	85.3	U	85.3	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	58.2	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.4	U	67.4	390	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	53	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92	J	86.5	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.6	U	62.6	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.8
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BM020298.D	1	05/11/19 09:58	05/12/19 14:55	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	120	J	73.1	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.6	U	93.6	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.8	U	49.8	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		28 - 127	72%	SPK: 150
13127-88-3	Phenol-d6	106		34 - 127	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.1		31 - 132	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.8		39 - 123	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.6		30 - 133	66%	SPK: 150
1718-51-0	Terphenyl-d14	44.9		37 - 115	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55600	7.76			
1146-65-2	Naphthalene-d8	185815	10.56			
15067-26-2	Acenaphthene-d10	111606	14.41			
1517-22-2	Phenanthrene-d10	259486	17.16			
1719-03-5	Chrysene-d12	291441	21.35			
1520-96-3	Perylene-d12	374313	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3500	J		7.29	ug/Kg
	unknown18.04	97.7	J		18.04	ug/Kg
	unknown21.04	79.8	J		21.04	ug/Kg
000106-28-5	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	100	J		22.52	ug/Kg
000192-97-2	Benzo[e]pyrene Unknown	100	J		23.43	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114235.D	1	05/11/19 09:58	05/13/19 18:00	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	770	ug/Kg
108-95-2	Phenol	150	U	150	770	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	240	U	240	770	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	770	ug/Kg
95-48-7	2-Methylphenol	160	U	160	770	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	770	ug/Kg
98-86-2	Acetophenone	220	U	220	770	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	320	U	320	770	ug/Kg
67-72-1	Hexachloroethane	200	U	200	770	ug/Kg
98-95-3	Nitrobenzene	100	U	100	770	ug/Kg
78-59-1	Isophorone	85.2	U	85.2	770	ug/Kg
88-75-5	2-Nitrophenol	180	U	180	770	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	770	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	770	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	770	ug/Kg
91-20-3	Naphthalene	120	U	120	770	ug/Kg
106-47-8	4-Chloroaniline	320	U	320	770	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	770	ug/Kg
105-60-2	Caprolactam	260	U	260	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	770	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	770	ug/Kg
77-47-4	Hexachlorocyclopentadiene	520	U	520	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	770	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	770	ug/Kg
92-52-4	1,1-Biphenyl	240	U	240	770	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	180	770	ug/Kg
88-74-4	2-Nitroaniline	160	U	160	770	ug/Kg
131-11-3	Dimethylphthalate	1000		120	770	ug/Kg
208-96-8	Acenaphthylene	140	U	140	770	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	160	770	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114235.D	1	05/11/19 09:58	05/13/19 18:00	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	300	U	300	770	ug/Kg
83-32-9	Acenaphthene	160	U	160	770	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	770	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	770	ug/Kg
132-64-9	Dibenzofuran	210	U	210	770	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	190	770	ug/Kg
84-66-2	Diethylphthalate	150	U	150	770	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	190	770	ug/Kg
86-73-7	Fluorene	120	U	120	770	ug/Kg
100-01-6	4-Nitroaniline	200	U	200	770	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	770	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	770	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	770	ug/Kg
1912-24-9	Atrazine	180	U	180	770	ug/Kg
87-86-5	Pentachlorophenol	250	U	250	770	ug/Kg
85-01-8	Phenanthrene	130	U	130	770	ug/Kg
120-12-7	Anthracene	130	U	130	770	ug/Kg
86-74-8	Carbazole	210	U	210	770	ug/Kg
84-74-2	Di-n-butylphthalate	230	U	230	770	ug/Kg
206-44-0	Fluoranthene	110	U	110	770	ug/Kg
129-00-0	Pyrene	140	U	140	770	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	770	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	340	770	ug/Kg
56-55-3	Benzo(a)anthracene	87.4	U	87.4	770	ug/Kg
218-01-9	Chrysene	98.9	U	98.9	770	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	210	770	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	770	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	130	770	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	770	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	170	770	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	770	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114235.D	1	05/11/19 09:58	05/13/19 18:00	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	140	U	140	770	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	770	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	770	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.7	U	96.7	770	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85		28 - 127	57%	SPK: 150
13127-88-3	Phenol-d6	92.9		34 - 127	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	64		31 - 132	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.2		39 - 123	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.3		30 - 133	56%	SPK: 150
1718-51-0	Terphenyl-d14	53.6		37 - 115	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	268252	6.85			
1146-65-2	Naphthalene-d8	1023360	8.13			
15067-26-2	Acenaphthene-d10	477178	9.89			
1517-22-2	Phenanthrene-d10	889793	11.37			
1719-03-5	Chrysene-d12	579406	14.03			
1520-96-3	Perylene-d12	564049	15.52			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.63	4900	J		6.63	ug/Kg
65-85-0	Benzoic acid	590	J		7.87	ug/Kg
000057-10-3	n-Hexadecanoic acid	1300	J N		11.9	ug/Kg
059291-65-5	2,3,4,4,5,6-Hexachloro-1,1-bip	1200	J N		13.15	ug/Kg
035599-77-0	Tridecane, 1-iodo-	1300	J N		13.19	ug/Kg
039635-34-2	2,3,3,4,5,5-Hexachloro-1,1-bip	1200	J N		13.33	ug/Kg
001599-67-3	1-Docosene	10200	J N		13.86	ug/Kg
1000309-12-7	Sulfurous acid, octadecyl 2-propyl	1500	J N		14.18	ug/Kg
1000351-74-9	Octacosyl trifluoroacetate	13800	J N		14.51	ug/Kg
000630-01-3	Hexacosane	2800	J N		15.15	ug/Kg
000297-03-0	Cyclotetracosane	2500	J N		15.18	ug/Kg
007796-19-2	2-Heptacosanone	1300	J N		15.23	ug/Kg
000638-66-4	Octadecanal	1400	J N		15.73	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	57
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114235.D	1	05/11/19 09:58	05/13/19 18:00	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-94-7	Heneicosane	2000	J N		15.97	ug/Kg
002004-39-9	1-Heptacosanol	1400	J N		16.03	ug/Kg
000629-66-3	2-Nonadecanone	1400	J N		17.26	ug/Kg
1000193-60-8	1,1,4a-Trimethyl-5,6-dimethylenede unknown	1600	J		17.67	ug/Kg
300574-36-1	5-Bromo-4-oxo-4,5,6,7-tetrahydrobe	1900	J N		18.16	ug/Kg
058801-23-3	Hop-22(29)-en-3-beta.-ol unknown	2000	J		18.4	ug/Kg
075207-54-4	2-Pentacosanone	1400	J N		18.89	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	64.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114207.D	1	05/11/19 09:58	05/12/19 21:42	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	270	U	270	920	ug/Kg
108-95-2	Phenol	180	U	180	920	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	290	920	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	920	ug/Kg
95-48-7	2-Methylphenol	200	U	200	920	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	250	920	ug/Kg
98-86-2	Acetophenone	260	U	260	920	ug/Kg
65794-96-9	3+4-Methylphenols	280	U	280	920	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	380	U	380	920	ug/Kg
67-72-1	Hexachloroethane	240	U	240	920	ug/Kg
98-95-3	Nitrobenzene	120	U	120	920	ug/Kg
78-59-1	Isophorone	100	U	100	920	ug/Kg
88-75-5	2-Nitrophenol	210	U	210	920	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	920	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	920	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	140	920	ug/Kg
91-20-3	Naphthalene	140	U	140	920	ug/Kg
106-47-8	4-Chloroaniline	390	U	390	920	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	920	ug/Kg
105-60-2	Caprolactam	310	U	310	920	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	920	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	170	920	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620	U	620	920	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	170	920	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	920	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	920	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	210	920	ug/Kg
88-74-4	2-Nitroaniline	190	U	190	920	ug/Kg
131-11-3	Dimethylphthalate	990		140	920	ug/Kg
208-96-8	Acenaphthylene	170	U	170	920	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	200	920	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	64.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114207.D	1	05/11/19 09:58	05/12/19 21:42	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	360	U	360	920	ug/Kg
83-32-9	Acenaphthene	190	U	190	920	ug/Kg
51-28-5	2,4-Dinitrophenol	250	UQ	250	920	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	920	ug/Kg
132-64-9	Dibenzofuran	250	U	250	920	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	U	230	920	ug/Kg
84-66-2	Diethylphthalate	180	U	180	920	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	230	920	ug/Kg
86-73-7	Fluorene	140	U	140	920	ug/Kg
100-01-6	4-Nitroaniline	250	U	250	920	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	200	920	ug/Kg
86-30-6	n-Nitrosodiphenylamine	220	U	220	920	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	920	ug/Kg
118-74-1	Hexachlorobenzene	190	U	190	920	ug/Kg
1912-24-9	Atrazine	220	U	220	920	ug/Kg
87-86-5	Pentachlorophenol	300	U	300	920	ug/Kg
85-01-8	Phenanthrene	160	U	160	920	ug/Kg
120-12-7	Anthracene	160	U	160	920	ug/Kg
86-74-8	Carbazole	250	U	250	920	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	920	ug/Kg
206-44-0	Fluoranthene	140	U	140	920	ug/Kg
129-00-0	Pyrene	170	U	170	920	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	920	ug/Kg
91-94-1	3,3-Dichlorobenzidine	410	U	410	920	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	920	ug/Kg
218-01-9	Chrysene	120	U	120	920	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	260	U	260	920	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	920	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	920	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	U	160	920	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	920	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	U	200	920	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	920	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	64.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114207.D	1	05/11/19 09:58	05/12/19 21:42	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	170	U	170	920	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	220	920	ug/Kg
123-91-1	1,4-Dioxane	330	U	330	920	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	920	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.7		28 - 127	51%	SPK: 150
13127-88-3	Phenol-d6	83.9		34 - 127	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.7		31 - 132	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.2		39 - 123	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.3		30 - 133	50%	SPK: 150
1718-51-0	Terphenyl-d14	47		37 - 115	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270058	6.85			
1146-65-2	Naphthalene-d8	1035780	8.13			
15067-26-2	Acenaphthene-d10	471173	9.89			
1517-22-2	Phenanthrene-d10	829278	11.37			
1719-03-5	Chrysene-d12	628289	14.01			
1520-96-3	Perylene-d12	567102	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.63	5300	J		6.63	ug/Kg
000295-48-7	Cyclopentadecane	1900	J N		13.16	ug/Kg
074685-30-6	5-Eicosene, (E)-	16500	J N		13.85	ug/Kg
1000309-26-8	Oxalic acid, pentadecyl propyl est	2800	J N		14.17	ug/Kg
000112-88-9	1-Octadecene	23500	J N		14.49	ug/Kg
000557-59-5	Tetracosanoic acid	2900	J N		14.7	ug/Kg
001119-87-5	1,2-Dodecanediol	2000	J		14.8	ug/Kg
000629-97-0	Docosane	4000	J N		15.12	ug/Kg
032281-85-9	Cyclopentane, 2-isopropyl-1,3-dime	6000	J		15.15	ug/Kg
000638-66-4	Octadecanal	2400	J N		15.7	ug/Kg
000630-01-3	Hexacosane	3500	J N		15.94	ug/Kg
002004-39-9	1-Heptacosanol	2700	J N		15.99	ug/Kg
075207-54-4	2-Pentacosanone	2700	J N		16.06	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	64.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114207.D	1	05/11/19 09:58	05/12/19 21:42	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007796-19-2	2-Heptacosanone UNKNOWN	2900	J		17.22	ug/Kg
	unknown17.28	4700	J		17.28	ug/Kg
000514-07-8	D-Friedoolean-14-en-3-one	4700	J N		17.63	ug/Kg
001615-91-4	A-Neogammacer-22(29)-ene UNKNOWN	2500	J N		17.72	ug/Kg
1000140-07-7	1,4-Dimethyl-8-isopropylidenetricy	2200	J		17.87	ug/Kg
1000349-85-6	Guanidine,.N-[3-[(2-bromophenyl)am UNKNOWN	2100	J		18.83	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	33.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114208.D	1	05/11/19 09:58	05/12/19 22:08	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	150	U	150	500	ug/Kg
108-95-2	Phenol	94.3	U	94.3	500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	160	500	ug/Kg
95-57-8	2-Chlorophenol	99.1	U	99.1	500	ug/Kg
95-48-7	2-Methylphenol	110	U	110	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	500	ug/Kg
98-86-2	Acetophenone	140	U	140	500	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	500	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	210	U	210	500	ug/Kg
67-72-1	Hexachloroethane	130	U	130	500	ug/Kg
98-95-3	Nitrobenzene	65.2	U	65.2	500	ug/Kg
78-59-1	Isophorone	55.1	U	55.1	500	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	500	ug/Kg
105-67-9	2,4-Dimethylphenol	83	U	83	500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.4	U	77.4	500	ug/Kg
120-83-2	2,4-Dichlorophenol	77.1	U	77.1	500	ug/Kg
91-20-3	Naphthalene	74.8	U	74.8	500	ug/Kg
106-47-8	4-Chloroaniline	210	U	210	500	ug/Kg
87-68-3	Hexachlorobutadiene	91.4	U	91.4	500	ug/Kg
105-60-2	Caprolactam	170	U	170	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89	U	89	500	ug/Kg
91-57-6	2-Methylnaphthalene	92.5	U	92.5	500	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	330	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91	U	91	500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	88.9	U	88.9	500	ug/Kg
92-52-4	1,1-Biphenyl	160	U	160	500	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	500	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	500	ug/Kg
131-11-3	Dimethylphthalate	750		76	500	ug/Kg
208-96-8	Acenaphthylene	90.2	U	90.2	500	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	500	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	33.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114208.D	1	05/11/19 09:58	05/12/19 22:08	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	190	U	190	500	ug/Kg
83-32-9	Acenaphthene	100	U	100	500	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U~~J~~	130	500	ug/Kg
100-02-7	4-Nitrophenol	97.1	U	97.1	500	ug/Kg
132-64-9	Dibenzofuran	140	U	140	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	500	ug/Kg
84-66-2	Diethylphthalate	95.1	U	95.1	500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	500	ug/Kg
86-73-7	Fluorene	76.6	U	76.6	500	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	500	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.8	U	84.8	500	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	500	ug/Kg
1912-24-9	Atrazine	120	U	120	500	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	500	ug/Kg
85-01-8	Phenanthrene	85.8	U	85.8	500	ug/Kg
120-12-7	Anthracene	83.8	U	83.8	500	ug/Kg
86-74-8	Carbazole	140	U	140	500	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	500	ug/Kg
206-44-0	Fluoranthene	74.4	U	74.4	500	ug/Kg
129-00-0	Pyrene	91.6	U	91.6	500	ug/Kg
85-68-7	Butylbenzylphthalate	96	U	96	500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	500	ug/Kg
56-55-3	Benzo(a)anthracene	56.6	U	56.6	500	ug/Kg
218-01-9	Chrysene	64	U	64	500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	500	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	73.1	U	73.1	500	ug/Kg
207-08-9	Benzo(k)fluoranthene	84.7	U	84.7	500	ug/Kg
50-32-8	Benzo(a)pyrene	66.7	U	66.7	500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	78.7	U	78.7	500	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	33.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114208.D	1	05/11/19 09:58	05/12/19 22:08	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	91.9	U	91.9	500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	500	ug/Kg
123-91-1	1,4-Dioxane	180	U	180	500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	62.6	U	62.6	500	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		28 - 127	69%	SPK: 150
13127-88-3	Phenol-d6	115		34 - 127	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.4		31 - 132	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.5		39 - 123	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.9		30 - 133	67%	SPK: 150
1718-51-0	Terphenyl-d14	55.6		37 - 115	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	283050	6.85			
1146-65-2	Naphthalene-d8	1046690	8.13			
15067-26-2	Acenaphthene-d10	480937	9.89			
1517-22-2	Phenanthrene-d10	847136	11.37			
1719-03-5	Chrysene-d12	603686	14.01			
1520-96-3	Perylene-d12	564034	15.48			
TENTATIVE IDENTIFIED COMPOUNDS unknown						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		2.13	ug/Kg
	unknown6.63	4000	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	760	J N		11.9	ug/Kg
061798-70-7	1,1-Biphenyl, 2,2,3,3,4,6-Hexac	470	J N		13.14	ug/Kg
074472-46-1	2,3,3,5,5,6-Hexachloro-1,1-biph	460	J N		13.33	ug/Kg
074472-49-4	1,1-Biphenyl, 2,2,3,4,5,6,6-Hep	440	J N		13.69	ug/Kg
074685-30-6	5-Eicosene, (E)-	3700	J N		13.85	ug/Kg
002425-77-6	1-Decanol, 2-hexyl-	4500	J N		14.48	ug/Kg
075581-03-2	2,6,10,14,18-Pentamethyl-2,6,10,14	600	J N		14.85	ug/Kg
000638-67-5	Tricosane	1100	J N		15.12	ug/Kg
000661-19-8	Behenic alcohol	1200	J N		15.14	ug/Kg
014811-95-1	1,19-Eicosadiene	660	J N		15.69	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	700	J N		15.93	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	33.8
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114208.D	1	05/11/19 09:58	05/12/19 22:08	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000506-51-4	n-Tetracosanol-1	690	J N		15.98	ug/Kg
007796-19-2	2-Heptacosanone	410	J N		16.04	ug/Kg
067860-04-2	Oxirane, heptadecyl-	690	J N		16.72	ug/Kg
075207-54-4	2-Pentacosanone	440	J N		17.2	ug/Kg
	unknown17.26	410	J		17.26	ug/Kg
010064-26-3	Phenanthrene, 1,2,3,4,4a,9,10,10a- unknown	830	J		17.61	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	29.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114209.D	1	05/11/19 09:58	05/12/19 22:34	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	470	ug/Kg
108-95-2	Phenol	88.6	U	88.6	470	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	470	ug/Kg
95-57-8	2-Chlorophenol	93.2	U	93.2	470	ug/Kg
95-48-7	2-Methylphenol	99.3	U	99.3	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	470	ug/Kg
98-86-2	Acetophenone	130	U	130	470	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	470	ug/Kg
67-72-1	Hexachloroethane	120	U	120	470	ug/Kg
98-95-3	Nitrobenzene	61.3	U	61.3	470	ug/Kg
78-59-1	Isophorone	51.8	U	51.8	470	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	470	ug/Kg
105-67-9	2,4-Dimethylphenol	78	U	78	470	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.7	U	72.7	470	ug/Kg
120-83-2	2,4-Dichlorophenol	72.5	U	72.5	470	ug/Kg
91-20-3	Naphthalene	70.4	U	70.4	470	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	470	ug/Kg
87-68-3	Hexachlorobutadiene	85.9	U	85.9	470	ug/Kg
105-60-2	Caprolactam	160	U	160	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.7	U	83.7	470	ug/Kg
91-57-6	2-Methylnaphthalene	87	U	87	470	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.5	U	85.5	470	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	470	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	470	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	470	ug/Kg
88-74-4	2-Nitroaniline	98.3	U	98.3	470	ug/Kg
131-11-3	Dimethylphthalate	650		71.4	470	ug/Kg
208-96-8	Acenaphthylene	84.8	U	84.8	470	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.9	U	99.9	470	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	29.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114209.D	1	05/11/19 09:58	05/12/19 22:34	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	470	ug/Kg
83-32-9	Acenaphthene	95.9	U	95.9	470	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U~~Ø~~	120	470	ug/Kg
100-02-7	4-Nitrophenol	91.3	U	91.3	470	ug/Kg
132-64-9	Dibenzofuran	130	U	130	470	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	470	ug/Kg
84-66-2	Diethylphthalate	89.4	U	89.4	470	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	470	ug/Kg
86-73-7	Fluorene	72	U	72	470	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.7	U	98.7	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	470	ug/Kg
101-55-3	4-Bromophenyl-phenylether	79.7	U	79.7	470	ug/Kg
118-74-1	Hexachlorobenzene	94	U	94	470	ug/Kg
1912-24-9	Atrazine	110	U	110	470	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	470	ug/Kg
85-01-8	Phenanthrene	80.7	U	80.7	470	ug/Kg
120-12-7	Anthracene	78.8	U	78.8	470	ug/Kg
86-74-8	Carbazole	130	U	130	470	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	470	ug/Kg
206-44-0	Fluoranthene	69.9	U	69.9	470	ug/Kg
129-00-0	Pyrene	86.1	U	86.1	470	ug/Kg
85-68-7	Butylbenzylphthalate	90.2	U	90.2	470	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	470	ug/Kg
56-55-3	Benzo(a)anthracene	53.2	U	53.2	470	ug/Kg
218-01-9	Chrysene	60.1	U	60.1	470	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	470	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	68.8	U	68.8	470	ug/Kg
207-08-9	Benzo(k)fluoranthene	79.6	U	79.6	470	ug/Kg
50-32-8	Benzo(a)pyrene	62.7	U	62.7	470	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	470	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	74	U	74	470	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	29.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114209.D	1	05/11/19 09:58	05/12/19 22:34	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	86.4	U	86.4	470	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	470	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	470	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.9	U	58.9	470	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.8		28 - 127	62%	SPK: 150
13127-88-3	Phenol-d6	101		34 - 127	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.1		31 - 132	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.3		39 - 123	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.6		30 - 133	55%	SPK: 150
1718-51-0	Terphenyl-d14	51.7		37 - 115	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256195	6.85			
1146-65-2	Naphthalene-d8	952654	8.13			
15067-26-2	Acenaphthene-d10	431769	9.89			
1517-22-2	Phenanthrene-d10	749296	11.37			
1719-03-5	Chrysene-d12	542244	14.01			
1520-96-3	Perylene-d12	497595	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	1000	J		2.12	ug/Kg
	unknown6.63	3400	J		6.63	ug/Kg
000057-10-3	n-Hexadecanoic acid	720	J N		11.9	ug/Kg
000629-62-9	Pentadecane unknown	440	J		13.18	ug/Kg
077899-03-7	1-Heneicosyl formate	4200	J N		13.84	ug/Kg
1000351-80-9	Docosyl pentafluoropropionate	5800	J N		14.48	ug/Kg
000111-02-4	Squalene	450	J N		14.85	ug/Kg
000638-66-4	Octadecanal	420	J N		14.92	ug/Kg
054833-23-7	Eicosane, 10-methyl-	1000	J N		15.12	ug/Kg
061142-24-3	Cyclohexane, 1,2,4,5-tetraethyl-,	1300	J		15.14	ug/Kg
1000376-70-0	Heptadecanal	610	J N		15.69	ug/Kg
000593-49-7	Heptacosane	750	J N		15.93	ug/Kg
1000333-91-9	1-Docosanol, methyl ether	610	J N		15.98	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	29.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114209.D	1	05/11/19 09:58	05/12/19 22:34	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
075207-54-4	2-Pentacosanone	420	J N		16.05	ug/Kg
007390-81-0	Oxirane, hexadecyl-	610	J N		16.72	ug/Kg
	unknown17.20	480	J		17.2	ug/Kg
066394-74-9	Urs-20-en-16-ol, (16.beta.,18.alph	700	J		17.27	ug/Kg
1000193-60-8	1,1,4a-Trimethyl-5,6-dimethylenede	920	J		17.61	ug/Kg
1000156-07-2	[2](9,10)(1,2,3,4-Tetrahydroanthra	540	J		18.06	ug/Kg

SD 6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040895.D	1	05/11/19 09:58	05/12/19 05:58	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	420	ug/Kg
108-95-2	Phenol	80.3	U	80.3	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	84.4	U	84.4	420	ug/Kg
95-48-7	2-Methylphenol	90	U	90	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	55.5	U	55.5	420	ug/Kg
78-59-1	Isophorone	47	U	47	420	ug/Kg
88-75-5	2-Nitrophenol	97.8	U J	97.8	420	ug/Kg
105-67-9	2,4-Dimethylphenol	70.7	U	70.7	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	65.9	U	65.9	420	ug/Kg
120-83-2	2,4-Dichlorophenol	65.7	U	65.7	420	ug/Kg
91-20-3	Naphthalene	63.7	U	63.7	420	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	420	ug/Kg
87-68-3	Hexachlorobutadiene	77.8	U	77.8	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75.8	U	75.8	420	ug/Kg
91-57-6	2-Methylnaphthalene	78.8	U	78.8	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.5	U	77.5	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.8	U	75.8	420	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	96.6	U	96.6	420	ug/Kg
88-74-4	2-Nitroaniline	89.1	U	89.1	420	ug/Kg
131-11-3	Dimethylphthalate	550		64.7	420	ug/Kg
208-96-8	Acenaphthylene	76.8	U	76.8	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.5	U	90.5	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040895.D	1	05/11/19 09:58	05/12/19 05:58	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	420	ug/Kg
83-32-9	Acenaphthene	86.9	U	86.9	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U~~Ø~~ J	110	420	ug/Kg
100-02-7	4-Nitrophenol	82.7	U	82.7	420	ug/Kg
132-64-9	Dibenzofuran	120	U	120	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U J	110	420	ug/Kg
84-66-2	Diethylphthalate	81	U	81	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	65.3	U	65.3	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	89.4	U J	89.4	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.1	U	99.1	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.3	U	72.3	420	ug/Kg
118-74-1	Hexachlorobenzene	85.2	U	85.2	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	73.1	U	73.1	420	ug/Kg
120-12-7	Anthracene	71.4	U	71.4	420	ug/Kg
86-74-8	Carbazole	120	U	120	420	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	420	ug/Kg
206-44-0	Fluoranthene	63.4	U	63.4	420	ug/Kg
129-00-0	Pyrene	78	U	78	420	ug/Kg
85-68-7	Butylbenzylphthalate	81.7	U	81.7	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	48.2	U	48.2	420	ug/Kg
218-01-9	Chrysene	54.5	U	54.5	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	91.3	U	91.3	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	62.3	U	62.3	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	72.2	U	72.2	420	ug/Kg
50-32-8	Benzo(a)pyrene	56.8	U	56.8	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92.6	U	92.6	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67	U	67	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040895.D	1	05/11/19 09:58	05/12/19 05:58	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	78.3	U	78.3	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.3	U	53.3	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	137		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	137		34 - 127	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.9		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.3		39 - 123	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	88%	SPK: 150
1718-51-0	Terphenyl-d14	71.4		37 - 115	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54517	8.13			
1146-65-2	Naphthalene-d8	233776	10.96			
15067-26-2	Acenaphthene-d10	175903	14.76			
1517-22-2	Phenanthrene-d10	442722	17.5			
1719-03-5	Chrysene-d12	445498	21.79			
1520-96-3	Perylene-d12	476064	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	670	J		3.22 R	ug/Kg
	unknown7.66	4700	JB		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	480	J N		18.36	ug/Kg
000593-39-5	6-Octadecenoic acid, (Z)-	91.8	J		19.5	ug/Kg
000057-11-4	Octadecanoic acid	160	J N		19.62	ug/Kg
	unknown20.38	110	J		20.38	ug/Kg
1000309-27-0	Oxalic acid, octadecyl propyl este	550	J N		21.39	ug/Kg
000629-94-7	Heneicosane	230	J N		22.57	ug/Kg
000661-19-8	Behenic alcohol	710	J		22.6	ug/Kg
000112-95-8	Eicosane	130	J N		23.28	ug/Kg
000111-02-4	Squalene	500	J N		23.48	ug/Kg
006561-44-0	Octadecane, 3-methyl-	240	J N		24.11	ug/Kg
000557-61-9	Octacosanol	290	J N		24.21	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040895.D	1	05/11/19 09:58	05/12/19 05:58	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000593-49-7	Heptacosane	200	J N		26.27	ug/Kg
~~002004-39-9~~	~~1-Heptacosanol~~ Unknown	210	J		26.45	ug/Kg
	unknown29.91	250	J		29.91	ug/Kg

6/18/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114226.D	1	05/11/19 09:58	05/13/19 14:05	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	440	ug/Kg
108-95-2	Phenol	83.6	U	83.6	440	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	440	ug/Kg
95-57-8	2-Chlorophenol	87.9	U	87.9	440	ug/Kg
95-48-7	2-Methylphenol	93.6	U	93.6	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	440	ug/Kg
98-86-2	Acetophenone	120	U	120	440	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	440	ug/Kg
67-72-1	Hexachloroethane	110	U	110	440	ug/Kg
98-95-3	Nitrobenzene	57.8	U	57.8	440	ug/Kg
78-59-1	Isophorone	48.9	U	48.9	440	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	440	ug/Kg
105-67-9	2,4-Dimethylphenol	73.6	U	73.6	440	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	68.6	U	68.6	440	ug/Kg
120-83-2	2,4-Dichlorophenol	68.4	U	68.4	440	ug/Kg
91-20-3	Naphthalene	700	J	66.3	440	ug/Kg
106-47-8	4-Chloroaniline	180	U J	180	440	ug/Kg
87-68-3	Hexachlorobutadiene	81	U	81	440	ug/Kg
105-60-2	Caprolactam	150	U	150	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.9	U	78.9	440	ug/Kg
91-57-6	2-Methylnaphthalene	480		82	440	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	300	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.6	U	80.6	440	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.8	U	78.8	440	ug/Kg
92-52-4	1,1-Biphenyl	170	J	140	440	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	440	ug/Kg
88-74-4	2-Nitroaniline	92.7	U	92.7	440	ug/Kg
131-11-3	Dimethylphthalate	510		67.3	440	ug/Kg
208-96-8	Acenaphthylene	1200	J	79.9	440	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.2	U	94.2	440	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114226.D	1	05/11/19 09:58	05/13/19 14:05	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	440	ug/Kg
83-32-9	Acenaphthene	90.4	U	90.4	440	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U~~Ø~~	120	440	ug/Kg
100-02-7	4-Nitrophenol	86.1	U	86.1	440	ug/Kg
132-64-9	Dibenzofuran	120	U	120	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	440	ug/Kg
84-66-2	Diethylphthalate	84.3	U	84.3	440	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	440	ug/Kg
86-73-7	Fluorene	220	J	67.9	440	ug/Kg
100-01-6	4-Nitroaniline	120	U J	120	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.1	U	93.1	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	440	ug/Kg
101-55-3	4-Bromophenyl-phenylether	75.2	U	75.2	440	ug/Kg
118-74-1	Hexachlorobenzene	88.7	U	88.7	440	ug/Kg
1912-24-9	Atrazine	110	U	110	440	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	440	ug/Kg
85-01-8	Phenanthrene	3500	J	76.1	440	ug/Kg
120-12-7	Anthracene	600		74.3	440	ug/Kg
86-74-8	Carbazole	120	U	120	440	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	440	ug/Kg
206-44-0	Fluoranthene	3800	J	65.9	440	ug/Kg
129-00-0	Pyrene * 11100	~~7700~~	~~E~~ J	81.2	440	ug/Kg
85-68-7	Butylbenzylphthalate	85.1	U	85.1	440	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U J	200	440	ug/Kg
56-55-3	Benzo(a)anthracene	4200	J	50.1	440	ug/Kg
218-01-9	Chrysene * 5500	~~4700~~	~~E~~ J	56.7	440	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	440	ug/Kg
117-84-0	Di-n-octyl phthalate	95	U J	95	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	J	64.8	440	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500	J	75.1	440	ug/Kg
50-32-8	Benzo(a)pyrene	3700	J	59.1	440	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		96.4	440	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	720		69.7	440	ug/Kg

* 10xDIF - values transferred from the dilution analysis.

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114226.D	1	05/11/19 09:58	05/13/19 14:05	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	2900		81.5	440	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	440	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	440	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.5	U	55.5	440	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86		28 - 127	57%	SPK: 150
13127-88-3	Phenol-d6	97.2		34 - 127	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.6		31 - 132	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.9		39 - 123	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.4		30 - 133	54%	SPK: 150
1718-51-0	Terphenyl-d14	60.3		37 - 115	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	292375	6.86			
1146-65-2	Naphthalene-d8	1119910	8.13			
15067-26-2	Acenaphthene-d10	525303	9.89			
1517-22-2	Phenanthrene-d10	973697	11.38			
1719-03-5	Chrysene-d12	481595	14.03			
1520-96-3	Perylene-d12	643919	15.53			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	820	J		2.13	ug/Kg
	unknown6.63	2900	J		6.63	ug/Kg
65-85-0	Benzoic acid	350	J		7.88	ug/Kg
90-12-0	1-Methylnaphthalene	350	J		8.95	ug/Kg
	unknown10.80	510	J		10.8	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	730	J N		11.67	ug/Kg
000613-12-7	Anthracene, 2-methyl-	1200	J N		11.88	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1400	J N		11.91	ug/Kg
000610-48-0	Anthracene, 1-methyl- unknown	1700	J		11.99	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	810	J N		12.02	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1100	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	1100	J N		12.21	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1100	J N		12.43	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114226.D	1	05/11/19 09:58	05/13/19 14:05	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000081-84-5	Naphthalic anhydride unknown	1000	J		12.47	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1100	J N		12.53	ug/Kg
080252-14-8	6H-Benz[de]anthracen-6-one	510	J N		13.77	ug/Kg
	unknown14.87	710	J		14.87	ug/Kg
000192-97-2	Benzo[e]pyrene	890	J N		15.2	ug/Kg
000198-55-0	Perylene	3300	J N		15.41	ug/Kg
	unknown15.96	710	J		15.96	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-12DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114205.D	10	05/11/19 09:58	05/12/19 20:50	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300	UD	1300	4400	ug/Kg
108-95-2	Phenol	840	UD	840	4400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400	UD	1400	4400	ug/Kg
95-57-8	2-Chlorophenol	880	UD	880	4400	ug/Kg
95-48-7	2-Methylphenol	940	UD	940	4400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200	UD	1200	4400	ug/Kg
98-86-2	Acetophenone	1200	UD	1200	4400	ug/Kg
65794-96-9	3+4-Methylphenols	1300	UD	1300	4400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800	UD	1800	4400	ug/Kg
67-72-1	Hexachloroethane	1100	UD	1100	4400	ug/Kg
98-95-3	Nitrobenzene	580	UD	580	4400	ug/Kg
78-59-1	Isophorone	490	UD	490	4400	ug/Kg
88-75-5	2-Nitrophenol	1000	UD	1000	4400	ug/Kg
105-67-9	2,4-Dimethylphenol	740	UD	740	4400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	690	UD	690	4400	ug/Kg
120-83-2	2,4-Dichlorophenol	680	UD	680	4400	ug/Kg
91-20-3	Naphthalene	660	UD	660	4400	ug/Kg
106-47-8	4-Chloroaniline	1800	UD	1800	4400	ug/Kg
87-68-3	Hexachlorobutadiene	810	UD	810	4400	ug/Kg
105-60-2	Caprolactam	1500	UD	1500	4400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	790	UD	790	4400	ug/Kg
91-57-6	2-Methylnaphthalene	820	UD	820	4400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	UD	3000	4400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	810	UD	810	4400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	790	UD	790	4400	ug/Kg
92-52-4	1,1-Biphenyl	1400	UD	1400	4400	ug/Kg
91-58-7	2-Chloronaphthalene	1000	UD	1000	4400	ug/Kg
88-74-4	2-Nitroaniline	930	UD	930	4400	ug/Kg
131-11-3	Dimethylphthalate	670	UD	670	4400	ug/Kg
208-96-8	Acenaphthylene	1400	JD	800	4400	ug/Kg
606-20-2	2,6-Dinitrotoluene	940	UD	940	4400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-12DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114205.D	10	05/11/19 09:58	05/12/19 20:50	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1700	UD	1700	4400	ug/Kg
83-32-9	Acenaphthene	900	UD	900	4400	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	UDQ	1200	4400	ug/Kg
100-02-7	4-Nitrophenol	860	UD	860	4400	ug/Kg
132-64-9	Dibenzofuran	1200	UD	1200	4400	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100	UD	1100	4400	ug/Kg
84-66-2	Diethylphthalate	840	UD	840	4400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	UD	1100	4400	ug/Kg
86-73-7	Fluorene	680	UD	680	4400	ug/Kg
100-01-6	4-Nitroaniline	1200	UD	1200	4400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	930	UD	930	4400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000	UD	1000	4400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	750	UD	750	4400	ug/Kg
118-74-1	Hexachlorobenzene	890	UD	890	4400	ug/Kg
1912-24-9	Atrazine	1100	UD	1100	4400	ug/Kg
87-86-5	Pentachlorophenol	1400	UD	1400	4400	ug/Kg
85-01-8	Phenanthrene	5200	D	760	4400	ug/Kg
120-12-7	Anthracene	740	UD	740	4400	ug/Kg
86-74-8	Carbazole	1200	UD	1200	4400	ug/Kg
84-74-2	Di-n-butylphthalate	1300	UD	1300	4400	ug/Kg
206-44-0	Fluoranthene	6200	D	660	4400	ug/Kg
129-00-0	Pyrene	11100	D	810	4400	ug/Kg
85-68-7	Butylbenzylphthalate	850	UD	850	4400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	UD	2000	4400	ug/Kg
56-55-3	Benzo(a)anthracene	4700	D	500	4400	ug/Kg
218-01-9	Chrysene	5500	D	570	4400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200	UD	1200	4400	ug/Kg
117-84-0	Di-n-octyl phthalate	950	UD	950	4400	ug/Kg
205-99-2	Benzo(b)fluoranthene	5200	D	650	4400	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700	JD	750	4400	ug/Kg
50-32-8	Benzo(a)pyrene	4500	D	590	4400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2500	JD	960	4400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	700	UD	700	4400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01DL	SDG No.:	K2767
Lab Sample ID:	K2767-12DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114205.D	10	05/11/19 09:58	05/12/19 20:50	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3300	JD	810	4400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	UD	1000	4400	ug/Kg
123-91-1	1,4-Dioxane	1600	UD	1600	4400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	550	UD	550	4400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		28 - 127	68%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.4		31 - 132	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.7		39 - 123	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.4		30 - 133	58%	SPK: 150
1718-51-0	Terphenyl-d14	54.6		37 - 115	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	259184	6.85			
1146-65-2	Naphthalene-d8	1003540	8.13			
15067-26-2	Acenaphthene-d10	452688	9.89			
1517-22-2	Phenanthrene-d10	806093	11.37			
1719-03-5	Chrysene-d12	550748	14.01			
1520-96-3	Perylene-d12	590411	15.48			

6/12/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2767
Lab Sample ID:	K2767-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114196.D	1	05/11/19 09:58	05/12/19 16:56	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	82.5	U	82.5	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	430	ug/Kg
95-57-8	2-Chlorophenol	86.7	U	86.7	430	ug/Kg
95-48-7	2-Methylphenol	92.4	U	92.4	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	57	U	57	430	ug/Kg
78-59-1	Isophorone	48.2	U	48.2	430	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	430	ug/Kg
105-67-9	2,4-Dimethylphenol	72.6	U	72.6	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.7	U	67.7	430	ug/Kg
120-83-2	2,4-Dichlorophenol	67.5	U	67.5	430	ug/Kg
91-20-3	Naphthalene	1000		65.5	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	80	U	80	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.9	U	77.9	430	ug/Kg
91-57-6	2-Methylnaphthalene	710		80.9	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.6	U	79.6	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.8	U	77.8	430	ug/Kg
92-52-4	1,1-Biphenyl	250	J	140	430	ug/Kg
91-58-7	2-Chloronaphthalene	99.2	U	99.2	430	ug/Kg
88-74-4	2-Nitroaniline	91.5	U	91.5	430	ug/Kg
131-11-3	Dimethylphthalate	530		66.5	430	ug/Kg
208-96-8	Acenaphthylene	1700		78.9	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	93	U	93	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2767
Lab Sample ID:	K2767-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114196.D	1	05/11/19 09:58	05/12/19 16:56	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	89.2	U	89.2	430	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U~~J~~	120	430	ug/Kg
100-02-7	4-Nitrophenol	85	U	85	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	83.2	U	83.2	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	330	J	67	430	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	91.9	U	91.9	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	74.2	U	74.2	430	ug/Kg
118-74-1	Hexachlorobenzene	87.5	U	87.5	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene * 7500	~~5100~~	~~E~~ J	75.1	430	ug/Kg
120-12-7	Anthracene	960		73.4	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene * 8600	~~5200~~	~~E~~ J	65.1	430	ug/Kg
129-00-0	Pyrene * 13500	~~9600~~	~~E~~	80.1	430	ug/Kg
85-68-7	Butylbenzylphthalate	84	U	84	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene * 6200	~~5900~~	~~E~~	49.5	430	ug/Kg
218-01-9	Chrysene * 7700	~~6100~~	~~E~~	56	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	93.8	U	93.8	430	ug/Kg
205-99-2	Benzo(b)fluoranthene * 7100	~~5900~~	~~E~~ J	64	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		74.1	430	ug/Kg
50-32-8	Benzo(a)pyrene * 6100	~~4900~~	~~E~~	58.4	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3700		95.2	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		68.8	430	ug/Kg

* 4xDIF - Values transferred from the dilution analysis -

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2767
Lab Sample ID:	K2767-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114196.D	1	05/11/19 09:58	05/12/19 16:56	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	4100		80.4	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.8	U	54.8	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.6		28 - 127	60%	SPK: 150
13127-88-3	Phenol-d6	102		34 - 127	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.6		31 - 132	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.1		39 - 123	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.3		30 - 133	58%	SPK: 150
1718-51-0	Terphenyl-d14	65.4		37 - 115	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	292295	6.85			
1146-65-2	Naphthalene-d8	1068190	8.13			
15067-26-2	Acenaphthene-d10	489488	9.89			
1517-22-2	Phenanthrene-d10	827928	11.37			
1719-03-5	Chrysene-d12	464124	14.03			
1520-96-3	Perylene-d12	579386	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	810	J		2.12	ug/Kg
	unknown6.63	3000	J		6.63	ug/Kg
65-85-0	Benzoic acid	350	J		7.86	ug/Kg
90-12-0	1-Methylnaphthalene	520	J		8.95	ug/Kg
	unknown10.80	1000	J		10.8	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	1300	J N		11.67	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1900	J N		11.88	ug/Kg
000613-12-7	Anthracene, 2-methyl-	2300	J N		11.91	ug/Kg
000610-48-0	Anthracene, 1-methyl- unknown	2700	J		11.99	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1500	J N		12.02	ug/Kg
000544-76-3	Hexadecane	830	J N		12.07	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1700	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	2000	J N		12.21	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2767
Lab Sample ID:	K2767-15	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114196.D	1	05/11/19 09:58	05/12/19 16:56	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001576-67-6	Phenanthrene, 3,6-dimethyl-	790	J N		12.32	ug/Kg
000781-43-1	9,10-Dimethylanthracene	1600	J N		12.43	ug/Kg
000081-84-5	Naphthalic anhydride	1700	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1700	J N		12.53	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	1400	J		12.69	ug/Kg
000192-97-2	Benzo[e]pyrene	1400	J N		15.19	ug/Kg
	unknown15.39	5100	J		15.39	ug/Kg
000215-58-7	Benzo[b]triphenylene	770	J N		17.21	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02DL	SDG No.:	K2767
Lab Sample ID:	K2767-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114266.D	4	05/11/19 09:58	05/14/19 21:04	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	510	UD	510	1700	ug/Kg
108-95-2	Phenol	330	UD	330	1700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	UD	540	1700	ug/Kg
95-57-8	2-Chlorophenol	350	UD	350	1700	ug/Kg
95-48-7	2-Methylphenol	370	UD	370	1700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	470	UD	470	1700	ug/Kg
98-86-2	Acetophenone	490	UD	490	1700	ug/Kg
65794-96-9	3+4-Methylphenols	520	UD	520	1700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	720	UD	720	1700	ug/Kg
67-72-1	Hexachloroethane	440	UD	440	1700	ug/Kg
98-95-3	Nitrobenzene	230	UD	230	1700	ug/Kg
78-59-1	Isophorone	190	UD	190	1700	ug/Kg
88-75-5	2-Nitrophenol	400	UD	400	1700	ug/Kg
105-67-9	2,4-Dimethylphenol	290	UD	290	1700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	UD	270	1700	ug/Kg
120-83-2	2,4-Dichlorophenol	270	UD	270	1700	ug/Kg
91-20-3	Naphthalene	1100	JD	260	1700	ug/Kg
106-47-8	4-Chloroaniline	720	UD	720	1700	ug/Kg
87-68-3	Hexachlorobutadiene	320	UD	320	1700	ug/Kg
105-60-2	Caprolactam	590	UD	590	1700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	310	UD	310	1700	ug/Kg
91-57-6	2-Methylnaphthalene	730	JD	320	1700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1200	UD	1200	1700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	320	UD	320	1700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	310	UD	310	1700	ug/Kg
92-52-4	1,1-Biphenyl	550	UD	550	1700	ug/Kg
91-58-7	2-Chloronaphthalene	400	UD	400	1700	ug/Kg
88-74-4	2-Nitroaniline	370	UD	370	1700	ug/Kg
131-11-3	Dimethylphthalate	550	JD	270	1700	ug/Kg
208-96-8	Acenaphthylene	2100	D	320	1700	ug/Kg
606-20-2	2,6-Dinitrotoluene	370	UD	370	1700	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02DL	SDG No.:	K2767
Lab Sample ID:	K2767-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114266.D	4	05/11/19 09:58	05/14/19 21:04	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	680	UD	680	1700	ug/Kg
83-32-9	Acenaphthene	360	UD	360	1700	ug/Kg
51-28-5	2,4-Dinitrophenol	460	UDQ	460	1700	ug/Kg
100-02-7	4-Nitrophenol	340	UD	340	1700	ug/Kg
132-64-9	Dibenzofuran	470	UD	470	1700	ug/Kg
121-14-2	2,4-Dinitrotoluene	440	UD	440	1700	ug/Kg
84-66-2	Diethylphthalate	330	UD	330	1700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	440	UD	440	1700	ug/Kg
86-73-7	Fluorene	370	JD	270	1700	ug/Kg
100-01-6	4-Nitroaniline	460	UD	460	1700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	UD	370	1700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	410	UD	410	1700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	300	UD	300	1700	ug/Kg
118-74-1	Hexachlorobenzene	350	UD	350	1700	ug/Kg
1912-24-9	Atrazine	420	UD	420	1700	ug/Kg
87-86-5	Pentachlorophenol	560	UD	560	1700	ug/Kg
85-01-8	Phenanthrene	7500	D	300	1700	ug/Kg
120-12-7	Anthracene	990	JD	290	1700	ug/Kg
86-74-8	Carbazole	470	UD	470	1700	ug/Kg
84-74-2	Di-n-butylphthalate	520	UD	520	1700	ug/Kg
206-44-0	Fluoranthene	8600	D	260	1700	ug/Kg
129-00-0	Pyrene	13500	D	320	1700	ug/Kg
85-68-7	Butylbenzylphthalate	340	UD	340	1700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780	UD	780	1700	ug/Kg
56-55-3	Benzo(a)anthracene	6200	D	200	1700	ug/Kg
218-01-9	Chrysene	7700	D	220	1700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	480	UD	480	1700	ug/Kg
117-84-0	Di-n-octyl phthalate	380	UD	380	1700	ug/Kg
205-99-2	Benzo(b)fluoranthene	7100	D	260	1700	ug/Kg
207-08-9	Benzo(k)fluoranthene	2400	D	300	1700	ug/Kg
50-32-8	Benzo(a)pyrene	6100	D	230	1700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3600	D	380	1700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100	JD	280	1700	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02DL	SDG No.:	K2767
Lab Sample ID:	K2767-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.3
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

Do not use

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114266.D	4	05/11/19 09:58	05/14/19 21:04	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	4400	D	320	1700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	410	UD	410	1700	ug/Kg
123-91-1	1,4-Dioxane	620	UD	620	1700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	220	UD	220	1700	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		28 - 127	71%	SPK: 150
13127-88-3	Phenol-d6	123		34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		31 - 132	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		39 - 123	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.6		30 - 133	66%	SPK: 150
1718-51-0	Terphenyl-d14	65.7		37 - 115	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	168397	6.85			
1146-65-2	Naphthalene-d8	662308	8.13			
15067-26-2	Acenaphthene-d10	300217	9.89			
1517-22-2	Phenanthrene-d10	570361	11.37			
1719-03-5	Chrysene-d12	422164	14.02			
1520-96-3	Perylene-d12	456435	15.5			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114197.D	1	05/11/19 09:58	05/12/19 17:22	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.5	U	72.5	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.2	U	76.2	380	ug/Kg
95-48-7	2-Methylphenol	81.2	U	81.2	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	97.5	U	97.5	380	ug/Kg
98-95-3	Nitrobenzene	50.1	U	50.1	380	ug/Kg
78-59-1	Isophorone	42.4	U	42.4	380	ug/Kg
88-75-5	2-Nitrophenol	88.3	U	88.3	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.9	U	63.9	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.5	U	59.5	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.3	U	59.3	380	ug/Kg
91-20-3	Naphthalene	130	J	57.6	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.3	U	70.3	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.5	U	68.5	380	ug/Kg
91-57-6	2-Methylnaphthalene	90.2	J	71.2	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70	U	70	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.4	U	68.4	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.2	U	87.2	380	ug/Kg
88-74-4	2-Nitroaniline	80.4	U	80.4	380	ug/Kg
131-11-3	Dimethylphthalate	510		58.4	380	ug/Kg
208-96-8	Acenaphthylene	420		69.4	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	81.7	U	81.7	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114197.D	1	05/11/19 09:58	05/12/19 17:22	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.5	U	78.5	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UØ	100	380	ug/Kg
100-02-7	4-Nitrophenol	74.7	U	74.7	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.2	U	96.2	380	ug/Kg
84-66-2	Diethylphthalate	73.1	U	73.1	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.5	U	96.5	380	ug/Kg
86-73-7	Fluorene	58.9	U	58.9	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.8	U	80.8	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.5	U	89.5	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.3	U	65.3	380	ug/Kg
118-74-1	Hexachlorobenzene	76.9	U	76.9	380	ug/Kg
1912-24-9	Atrazine	91.9	U	91.9	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	720		66	380	ug/Kg
120-12-7	Anthracene	200	J	64.5	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	1200		57.2	380	ug/Kg
129-00-0	Pyrene	2100		70.5	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.8	U	73.8	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	1200		43.5	380	ug/Kg
218-01-9	Chrysene	1400		49.2	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.5	U	82.5	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		56.3	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	440		65.2	380	ug/Kg
50-32-8	Benzo(a)pyrene	1300		51.3	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		83.7	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	J	60.5	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114197.D	1	05/11/19 09:58	05/12/19 17:22	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1100		70.7	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.5	U	90.5	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.2	U	48.2	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.4		28 - 127	62%	SPK: 150
13127-88-3	Phenol-d6	106		34 - 127	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.7		31 - 132	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.3		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.3		30 - 133	62%	SPK: 150
1718-51-0	Terphenyl-d14	61.7		37 - 115	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	314002	6.85			
1146-65-2	Naphthalene-d8	1161360	8.13			
15067-26-2	Acenaphthene-d10	531900	9.89			
1517-22-2	Phenanthrene-d10	944607	11.37			
1719-03-5	Chrysene-d12	585567	14.02			
1520-96-3	Perylene-d12	668670	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	760	J		2.13	ug/Kg
	unknown6.63	2700	J		6.63	ug/Kg
000544-76-3	Hexadecane	250	J N		10.79	ug/Kg
000593-45-3	Octadecane	190	J N		11.23	ug/Kg
055045-10-8	Tridecane, 6-propyl-	290	J		11.66	ug/Kg
000613-12-7	Anthracene, 2-methyl-	260	J N		11.87	ug/Kg
000610-48-0	Anthracene, 1-methyl-	510	J N		11.9	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	450	J N		11.99	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	220	J N		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	200	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	210	J N		12.2	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	350	J N		12.43	ug/Kg
	unknown12.46	330	J		12.46	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114197.D	1	05/11/19 09:58	05/12/19 17:22	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
005737-13-3	Cyclopenta(def)phenanthrenone	250	J N		12.51	ug/Kg
000886-66-8	Benzene,1,1-(1,3-butadiyne-1,4-d unknown	280	J		12.68	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	210	J N		14.16	ug/Kg
000612-78-2	2,2-Binaphthalene unknown	200	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	360	J N		15.17	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1300	J N		15.37	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020321.D	1	05/11/19 09:58	05/13/19 18:09	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	71	U	71	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	74.7	U	74.7	370	ug/Kg
95-48-7	2-Methylphenol	79.6	U	79.6	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	370	ug/Kg
98-86-2	Acetophenone	110	U	110	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	370	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	370	ug/Kg
98-95-3	Nitrobenzene	49.1	U	49.1	370	ug/Kg
78-59-1	Isophorone	41.5	U	41.5	370	ug/Kg
88-75-5	2-Nitrophenol	86.5	U	86.5	370	ug/Kg
105-67-9	2,4-Dimethylphenol	62.6	U	62.6	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.3	U	58.3	370	ug/Kg
120-83-2	2,4-Dichlorophenol	58.1	U	58.1	370	ug/Kg
91-20-3	Naphthalene	56.4	U	56.4	370	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	370	ug/Kg
87-68-3	Hexachlorobutadiene	68.9	U	68.9	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.1	U	67.1	370	ug/Kg
91-57-6	2-Methylnaphthalene	69.7	U	69.7	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.6	U	68.6	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67	U	67	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	85.4	U	85.4	370	ug/Kg
88-74-4	2-Nitroaniline	78.8	U	78.8	370	ug/Kg
131-11-3	Dimethylphthalate	470		57.3	370	ug/Kg
208-96-8	Acenaphthylene	68	U	68	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.1	U	80.1	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020321.D	1	05/11/19 09:58	05/13/19 18:09	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	370	ug/Kg
83-32-9	Acenaphthene	76.9	U	76.9	370	ug/Kg
51-28-5	2,4-Dinitrophenol	99.3	U~~J~~	99.3	370	ug/Kg
100-02-7	4-Nitrophenol	73.2	U	73.2	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.3	U	94.3	370	ug/Kg
84-66-2	Diethylphthalate	71.7	U	71.7	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.6	U	94.6	370	ug/Kg
86-73-7	Fluorene	57.7	U	57.7	370	ug/Kg
100-01-6	4-Nitroaniline	99.2	U	99.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.1	U~~J~~	79.1	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.7	U	87.7	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.9	U	63.9	370	ug/Kg
118-74-1	Hexachlorobenzene	75.4	U	75.4	370	ug/Kg
1912-24-9	Atrazine	90	U	90	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	77.9	J	64.7	370	ug/Kg
120-12-7	Anthracene	63.2	U	63.2	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	160	J	56.1	370	ug/Kg
129-00-0	Pyrene	300	J	69	370	ug/Kg
85-68-7	Butylbenzylphthalate	72.3	U~~J~~	72.3	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	42.6	370	ug/Kg
218-01-9	Chrysene	190	J	48.2	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	80.8	U~~J~~	80.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	J	55.1	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.8	U	63.8	370	ug/Kg
50-32-8	Benzo(a)pyrene	150	J	50.3	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	J	82	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.3	U	59.3	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020321.D	1	05/11/19 09:58	05/13/19 18:09	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	160	J	69.3	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.7	U	88.7	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.2	U	47.2	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124		28 - 127	83%	SPK: 150
13127-88-3	Phenol-d6	122		34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.3		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.3		39 - 123	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		30 - 133	83%	SPK: 150
1718-51-0	Terphenyl-d14	66.4		37 - 115	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45430	7.76			
1146-65-2	Naphthalene-d8	152102	10.55			
15067-26-2	Acenaphthene-d10	95881	14.4			
1517-22-2	Phenanthrene-d10	232396	17.16			
1719-03-5	Chrysene-d12	249882	21.34			
1520-96-3	Perylene-d12	271758	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3800	J		7.29	ug/Kg
	unknown18.04	180	J		18.04	ug/Kg
003674-66-6	Phenanthrene,2,5-dimethyl- Unknown	90.3	J		18.96	ug/Kg
1000282-97-3	Heptafluorobutanoic acid, heptadec	260	J		21.04	ug/Kg
007683-64-9	Squalene	180	J		22.51	ug/Kg
000192-97-2	Benzo[e]pyrene	130	J		23.43	ug/Kg

6/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	11.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020321.D	1	05/11/19 09:58	05/13/19 18:09	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040898.D	1	05/11/19 09:58	05/12/19 07:51	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.6	U	72.6	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.4	U	76.4	380	ug/Kg
95-48-7	2-Methylphenol	81.4	U	81.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	97.6	U	97.6	380	ug/Kg
98-95-3	Nitrobenzene	50.2	U	50.2	380	ug/Kg
78-59-1	Isophorone	42.5	U	42.5	380	ug/Kg
88-75-5	2-Nitrophenol	88.4	U J	88.4	380	ug/Kg
105-67-9	2,4-Dimethylphenol	64	U	64	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.6	U	59.6	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.4	U	59.4	380	ug/Kg
91-20-3	Naphthalene	57.7	U	57.7	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.4	U	70.4	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.6	U	68.6	380	ug/Kg
91-57-6	2-Methylnaphthalene	71.3	U	71.3	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.1	U	70.1	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.5	U	68.5	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.3	U	87.3	380	ug/Kg
88-74-4	2-Nitroaniline	80.6	U	80.6	380	ug/Kg
131-11-3	Dimethylphthalate	570		58.5	380	ug/Kg
208-96-8	Acenaphthylene	69.5	U	69.5	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	81.9	U	81.9	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040898.D	1	05/11/19 09:58	05/12/19 07:51	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.6	U	78.6	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U~~Ø~~ J	100	380	ug/Kg
100-02-7	4-Nitrophenol	74.8	U	74.8	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.4	U J	96.4	380	ug/Kg
84-66-2	Diethylphthalate	73.3	U	73.3	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	380	ug/Kg
86-73-7	Fluorene	59	U	59	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.9	U J	80.9	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.6	U	89.6	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.4	U	65.4	380	ug/Kg
118-74-1	Hexachlorobenzene	77.1	U	77.1	380	ug/Kg
1912-24-9	Atrazine	92	U	92	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	66.1	U	66.1	380	ug/Kg
120-12-7	Anthracene	64.6	U	64.6	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	82.4	J	57.3	380	ug/Kg
129-00-0	Pyrene	160	J	70.6	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.9	U	73.9	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43.6	U	43.6	380	ug/Kg
218-01-9	Chrysene	81.1	J	49.3	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.6	U	82.6	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.4	U	56.4	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.3	U	65.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	51.4	U	51.4	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.8	U	83.8	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.6	U	60.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040898.D	1	05/11/19 09:58	05/12/19 07:51	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	70.8	U	70.8	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.6	U	90.6	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.2	U	48.2	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	150		28 - 127	100%	SPK: 150
13127-88-3	Phenol-d6	148		34 - 127	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		31 - 132	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		30 - 133	102%	SPK: 150
1718-51-0	Terphenyl-d14	75.8		37 - 115	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	52839	8.13			
1146-65-2	Naphthalene-d8	226471	10.95			
15067-26-2	Acenaphthene-d10	169479	14.76			
1517-22-2	Phenanthrene-d10	430233	17.51			
1719-03-5	Chrysene-d12	430355	21.79			
1520-96-3	Perylene-d12	472067	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	740	J		3.22 R	ug/Kg
	unknown7.66	4500	JB		7.66 R	ug/Kg
~~000621-42-1~~	~~Metacetamol~~ unknown	95.8	J		13.62	ug/Kg
000057-10-3	n-Hexadecanoic acid	480	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	130	J N		19.63	ug/Kg
001599-67-3	1-Docosene	310	J N		21.38	ug/Kg
007683-64-9	Supraene unknown	160	J		23.48	ug/Kg

6/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040898.D	1	05/11/19 09:58	05/12/19 07:51	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040880.D	1	05/11/19 09:58	05/11/19 19:13	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.7	U	75.7	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	400	ug/Kg
95-57-8	2-Chlorophenol	79.6	U	79.6	400	ug/Kg
95-48-7	2-Methylphenol	84.8	U	84.8	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.3	U	52.3	400	ug/Kg
78-59-1	Isophorone	44.3	U	44.3	400	ug/Kg
88-75-5	2-Nitrophenol	92.2	U J	92.2	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.7	U	66.7	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.1	U	62.1	400	ug/Kg
120-83-2	2,4-Dichlorophenol	61.9	U	61.9	400	ug/Kg
91-20-3	Naphthalene	60.1	U	60.1	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	73.4	U	73.4	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.5	U	71.5	400	ug/Kg
91-57-6	2-Methylnaphthalene	74.3	U	74.3	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73	U	73	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	71.4	U	71.4	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91	U	91	400	ug/Kg
88-74-4	2-Nitroaniline	84	U	84	400	ug/Kg
131-11-3	Dimethylphthalate	600		61	400	ug/Kg
208-96-8	Acenaphthylene	72.4	U	72.4	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.3	U	85.3	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040880.D	1	05/11/19 09:58	05/11/19 19:13	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	81.9	U	81.9	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U ~~P~~ J	110	400	ug/Kg
100-02-7	4-Nitrophenol	78	U	78	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U J	100	400	ug/Kg
84-66-2	Diethylphthalate	76.4	U	76.4	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.5	U	61.5	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	84.3	U J	84.3	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.4	U	93.4	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.1	U	68.1	400	ug/Kg
118-74-1	Hexachlorobenzene	80.3	U	80.3	400	ug/Kg
1912-24-9	Atrazine	95.9	U	95.9	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	68.9	U	68.9	400	ug/Kg
120-12-7	Anthracene	67.3	U	67.3	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	59.7	U	59.7	400	ug/Kg
129-00-0	Pyrene	73.6	U	73.6	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.1	U	77.1	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	45.4	U	45.4	400	ug/Kg
218-01-9	Chrysene	51.4	U	51.4	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.1	U	86.1	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.7	U	58.7	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	68	U	68	400	ug/Kg
50-32-8	Benzo(a)pyrene	53.6	U	53.6	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.3	U	87.3	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.2	U	63.2	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040880.D	1	05/11/19 09:58	05/11/19 19:13	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	73.8	U	73.8	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.5	U	94.5	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.3	U	50.3	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		28 - 127	82%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.1		39 - 123	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	88%	SPK: 150
1718-51-0	Terphenyl-d14	68.8		37 - 115	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50383	8.14			
1146-65-2	Naphthalene-d8	198343	10.96			
15067-26-2	Acenaphthene-d10	155207	14.76			
1517-22-2	Phenanthrene-d10	412146	17.51			
1719-03-5	Chrysene-d12	444901	21.78			
1520-96-3	Perylene-d12	461336	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	770	J		3.22	ug/Kg
	unknown7.65	4000	J		7.65	ug/Kg
000108-46-3	Resorcinol	340	J		11.95	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		18.36	ug/Kg
000057-11-4	Octadecanoic acid	150	J		19.62	ug/Kg
000295-65-8	Cyclohexadecane	100	J		21.39	ug/Kg

6/13/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.14 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040880.D	1	05/11/19 09:58	05/11/19 19:13	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114183.D	5	05/11/19 09:58	05/12/19 04:49	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	660	U	660	2200	ug/Kg
108-95-2	Phenol	420	U	420	2200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	700	U	700	2200	ug/Kg
95-57-8	2-Chlorophenol	440	U	440	2200	ug/Kg
95-48-7	2-Methylphenol	470	U	470	2200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	600	U	600	2200	ug/Kg
98-86-2	Acetophenone	630	U	630	2200	ug/Kg
65794-96-9	3+4-Methylphenols	660	U	660	2200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	920	U	920	2200	ug/Kg
67-72-1	Hexachloroethane	570	U	570	2200	ug/Kg
98-95-3	Nitrobenzene	290	U	290	2200	ug/Kg
78-59-1	Isophorone	250	U	250	2200	ug/Kg
88-75-5	2-Nitrophenol	510	U	510	2200	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	370	2200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	350	2200	ug/Kg
120-83-2	2,4-Dichlorophenol	340	U	340	2200	ug/Kg
91-20-3	Naphthalene	560	J	330	2200	ug/Kg
106-47-8	4-Chloroaniline	920	U	920	2200	ug/Kg
87-68-3	Hexachlorobutadiene	410	U	410	2200	ug/Kg
105-60-2	Caprolactam	750	U	750	2200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	400	U	400	2200	ug/Kg
91-57-6	2-Methylnaphthalene	410	U	410	2200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500	U	1500	2200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	410	U	410	2200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	400	U	400	2200	ug/Kg
92-52-4	1,1-Biphenyl	700	U	700	2200	ug/Kg
91-58-7	2-Chloronaphthalene	510	U	510	2200	ug/Kg
88-74-4	2-Nitroaniline	470	U	470	2200	ug/Kg
131-11-3	Dimethylphthalate	340	U	340	2200	ug/Kg
208-96-8	Acenaphthylene	860	J	400	2200	ug/Kg
606-20-2	2,6-Dinitrotoluene	470	U	470	2200	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114183.D	5	05/11/19 09:58	05/12/19 04:49	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	870	U	870	2200	ug/Kg
83-32-9	Acenaphthene	460	U	460	2200	ug/Kg
51-28-5	2,4-Dinitrophenol	590	U~~Ø~~ J	590	2200	ug/Kg
100-02-7	4-Nitrophenol	430	U	430	2200	ug/Kg
132-64-9	Dibenzofuran	600	U	600	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	560	U	560	2200	ug/Kg
84-66-2	Diethylphthalate	420	U	420	2200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	560	U	560	2200	ug/Kg
86-73-7	Fluorene	340	U	340	2200	ug/Kg
100-01-6	4-Nitroaniline	590	U	590	2200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	470	U	470	2200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	2200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	380	2200	ug/Kg
118-74-1	Hexachlorobenzene	450	U	450	2200	ug/Kg
1912-24-9	Atrazine	530	U	530	2200	ug/Kg
87-86-5	Pentachlorophenol	720	U	720	2200	ug/Kg
85-01-8	Phenanthrene	3400		380	2200	ug/Kg
120-12-7	Anthracene	640	J	370	2200	ug/Kg
86-74-8	Carbazole	600	U	600	2200	ug/Kg
84-74-2	Di-n-butylphthalate	660	U	660	2200	ug/Kg
206-44-0	Fluoranthene	4300		330	2200	ug/Kg
129-00-0	Pyrene	6400		410	2200	ug/Kg
85-68-7	Butylbenzylphthalate	430	U	430	2200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	990	U	990	2200	ug/Kg
56-55-3	Benzo(a)anthracene	3200		250	2200	ug/Kg
218-01-9	Chrysene	3300		290	2200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	620	U	620	2200	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	480	2200	ug/Kg
205-99-2	Benzo(b)fluoranthene	3400		330	2200	ug/Kg
207-08-9	Benzo(k)fluoranthene	930	J	380	2200	ug/Kg
50-32-8	Benzo(a)pyrene	2400		300	2200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400	J	490	2200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	350	U	350	2200	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114183.D	5	05/11/19 09:58	05/12/19 04:49	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1900	J	410	2200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	530	U	530	2200	ug/Kg
123-91-1	1,4-Dioxane	790	U	790	2200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	280	U	280	2200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.3		28 - 127	66%	SPK: 150
13127-88-3	Phenol-d6	111		34 - 127	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	71		31 - 132	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.1		39 - 123	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.7		30 - 133	62%	SPK: 150
1718-51-0	Terphenyl-d14	48.3		37 - 115	48%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256122	6.85			
1146-65-2	Naphthalene-d8	955385	8.13			
15067-26-2	Acenaphthene-d10	430749	9.89			
1517-22-2	Phenanthrene-d10	776672	11.37			
1719-03-5	Chrysene-d12	636988	14.01			
1520-96-3	Perylene-d12	654703	15.47			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	3600	J		6.62	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1000	J N		11.87	ug/Kg
000613-12-7	Anthracene, 2-methyl-	1300	J N		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1600	J N		11.98	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	830	J N		12	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1000	J N		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	1000	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1300	J N		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	920	J N		12.5	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran) UNKNOWN	850	J		12.67	ug/Kg
002381-21-7	Pyrene, 1-methyl-	720	J N		13.03	ug/Kg
	unknown13.25	610	J		13.25	ug/Kg
003442-78-2	Pyrene, 2-methyl-	590	J N		13.33	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114183.D	5	05/11/19 09:58	05/12/19 04:49	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
080252-14-8	6H-Benz[de]anthracen-6-one	640	J N		13.75	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	740	J N		13.85	ug/Kg
003029-19-4	1-Pyrenecarboxaldehyde (unknown)	860	J		14.15	ug/Kg
001705-84-6	Triphenylene, 2-methyl-	720	J N		14.4	ug/Kg
000602-55-1	Anthracene, 9-phenyl- (unknown)	870	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	2300	J N		15.35	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114182.D	5	05/11/19 09:58	05/12/19 04:23	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	630	U	630	2100	ug/Kg
108-95-2	Phenol	400	U	400	2100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	660	U	660	2100	ug/Kg
95-57-8	2-Chlorophenol	420	U	420	2100	ug/Kg
95-48-7	2-Methylphenol	450	U	450	2100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	570	U	570	2100	ug/Kg
98-86-2	Acetophenone	600	U	600	2100	ug/Kg
65794-96-9	3+4-Methylphenols	630	U	630	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	880	U	880	2100	ug/Kg
67-72-1	Hexachloroethane	540	U	540	2100	ug/Kg
98-95-3	Nitrobenzene	280	U	280	2100	ug/Kg
78-59-1	Isophorone	240	U	240	2100	ug/Kg
88-75-5	2-Nitrophenol	490	U	490	2100	ug/Kg
105-67-9	2,4-Dimethylphenol	350	U	350	2100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	330	U	330	2100	ug/Kg
120-83-2	2,4-Dichlorophenol	330	U	330	2100	ug/Kg
91-20-3	Naphthalene	910	J	320	2100	ug/Kg
106-47-8	4-Chloroaniline	880	U	880	2100	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	390	2100	ug/Kg
105-60-2	Caprolactam	720	U	720	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	380	2100	ug/Kg
91-57-6	2-Methylnaphthalene	540	J	400	2100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1400	U	1400	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	390	2100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	380	2100	ug/Kg
92-52-4	1,1-Biphenyl	670	U	670	2100	ug/Kg
91-58-7	2-Chloronaphthalene	480	U	480	2100	ug/Kg
88-74-4	2-Nitroaniline	450	U	450	2100	ug/Kg
131-11-3	Dimethylphthalate	320	U	320	2100	ug/Kg
208-96-8	Acenaphthylene	1500	J	390	2100	ug/Kg
606-20-2	2,6-Dinitrotoluene	450	U	450	2100	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114182.D	5	05/11/19 09:58	05/12/19 04:23	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	830	U	830	2100	ug/Kg
83-32-9	Acenaphthene	440	U	440	2100	ug/Kg
51-28-5	2,4-Dinitrophenol	560	UØ J	560	2100	ug/Kg
100-02-7	4-Nitrophenol	410	U	410	2100	ug/Kg
132-64-9	Dibenzofuran	580	U	580	2100	ug/Kg
121-14-2	2,4-Dinitrotoluene	530	U	530	2100	ug/Kg
84-66-2	Diethylphthalate	410	U	410	2100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	U	540	2100	ug/Kg
86-73-7	Fluorene	330	U	330	2100	ug/Kg
100-01-6	4-Nitroaniline	560	U	560	2100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	450	U	450	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	500	U	500	2100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	360	U	360	2100	ug/Kg
118-74-1	Hexachlorobenzene	430	U	430	2100	ug/Kg
1912-24-9	Atrazine	510	U	510	2100	ug/Kg
87-86-5	Pentachlorophenol	690	U	690	2100	ug/Kg
85-01-8	Phenanthrene	6000		370	2100	ug/Kg
120-12-7	Anthracene	1000	J	360	2100	ug/Kg
86-74-8	Carbazole	580	U	580	2100	ug/Kg
84-74-2	Di-n-butylphthalate	630	U	630	2100	ug/Kg
206-44-0	Fluoranthene	7200		320	2100	ug/Kg
129-00-0	Pyrene	10500		390	2100	ug/Kg
85-68-7	Butylbenzylphthalate	410	U	410	2100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	950	U	950	2100	ug/Kg
56-55-3	Benzo(a)anthracene	5100		240	2100	ug/Kg
218-01-9	Chrysene	5900		270	2100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	590	U	590	2100	ug/Kg
117-84-0	Di-n-octyl phthalate	460	U	460	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	5900		310	2100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300	J	360	2100	ug/Kg
50-32-8	Benzo(a)pyrene	4100		280	2100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2700		460	2100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	760	J	340	2100	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114182.D	5	05/11/19 09:58	05/12/19 04:23	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	3300		390	2100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U	500	2100	ug/Kg
123-91-1	1,4-Dioxane	750	U	750	2100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	270	2100	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	103		28 - 127	69%	SPK: 150
13127-88-3	Phenol-d6	121		34 - 127	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.7		31 - 132	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.2		39 - 123	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.7		30 - 133	64%	SPK: 150
1718-51-0	Terphenyl-d14	57		37 - 115	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	258547	6.85			
1146-65-2	Naphthalene-d8	961519	8.13			
15067-26-2	Acenaphthene-d10	420657	9.89			
1517-22-2	Phenanthrene-d10	731039	11.37			
1719-03-5	Chrysene-d12	575779	14.01			
1520-96-3	Perylene-d12	628428	15.48			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.62	3600	J		6.62	ug/Kg
002444-68-0	Anthracene, 9-ethenyl-	790	J		11.66	ug/Kg
000613-12-7	Anthracene, 2-methyl-	1900	J		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	2000	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	2700	J		11.98	ug/Kg
000779-02-2	Anthracene, 9-methyl-	1500	J		12	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	1700	J		12.16	ug/Kg
000084-65-1	9,10-Anthracenedione	1800	J		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1900	J		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1600	J		12.51	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	1300	J		12.67	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	890	J		13.03	ug/Kg
002381-21-7	Pyrene, 1-methyl-	850	J		13.24	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type:	Decanted: N	Level:	LOW
Injection Volume:	GPC Factor: 1.0	GPC Cleanup:	N PH:

File ID/Qc Batch	Dilution	Prep Date	Date Analyzed	Prep Batch ID
BF114182.D	5	05/11/19 09:58	05/12/19 04:23	PB119647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	800	J N		13.76	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	1100	J N		14.16	ug/Kg
002381-31-9	Benz[a]anthracene, 8-methyl-	890	J N		14.4	ug/Kg
000612-78-2	2,2-Binaphthalene, unknown	870	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	1100	J N		15.16	ug/Kg
	unknown15.36	4700	J		15.36	ug/Kg

6/13/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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5

A B C D

LAB CHRONICLE

OrderID:	K2767	**OrderDate:**	5/9/2019 9:54:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2767-01	**P026-SS009-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-02	**P026-SS010-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-03	**P026-SS010-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-04	**P026-SS010-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-05	**P026-SS010-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2767-06	**P026-SS010-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-07	**P026-SS011-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2767-08	**P026-SS011-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-09	**P026-SS011-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	

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K2767-10	P026-SS011-1218-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-11	P026-SS011-1824-01	SOIL			05/06/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-12	P026-SS012-0002-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2767-12DL	P026-SS012-0002-01DL	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-15	P026-SS012-0002-02	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-15DL	P026-SS012-0002-02DL	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/14/19	
K2767-16	P026-SS012-0206-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-17	P026-SS012-0612-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2767-18	P026-SS012-1218-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-19	P026-SS012-1824-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/11/19	
K2767-20	P026-SS013-0002-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2767-21	P026-SS013-0206-01	SOIL			05/07/19			05/09/19

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LAB CHRONICLE

SVOC-TCL BNA -20	8270D	05/11/19	05/12/19

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 6, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS009-1824-01	P026-SS010-0002-01	P026-SS010-0206-01	P026-SS010-0612-01	P026-SS010-1218-01
Lab Sample ID	K2767-01	K2767-02	K2767-03	K2767-04	K2767-05
Sample Weight (g)	2.42	2.39	2.39	2.35	2.36
(Hg weight, g)	0.58	0.57	0.56	0.57	0.58
% Solid	86.1	72.3	80.4	80.8	81.9
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**2.98**	**6.17**	**7.31**	**5.45**	**7.55**
Barium	**115**	**145**	**135**	**117**	**154**
Cadmium	0.023 U	0.028 U	**0.379**	**0.035 J**	**0.166 J**
Chromium	**9.87**	**9.04**	**9.85**	**10.3**	**12.1**
Lead	**14.2**	**48**	**80.6**	**97**	**55.8**
Mercury	**0.034**	**0.055**	**0.06**	**0.05**	**0.07**
Selenium	0.305 U	0.367 U	0.33 U	0.334 U	0.328 U
Silver	0.04 U	0.048 U	0.043 U	0.043 U	0.043 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS010-1824-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01
Lab Sample ID	K2767-06	K2767-07	K2767-08	K2767-09	K2767-10
Sample Weight (g)	2.42	2.35	2.42	2.34	2.4
(Hg weight, g)	0.56	0.56	0.57	0.56	0.57
% Solid	83.2	43	35.6	66.2	70.7
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**5.54**	**3.19 J**	**2.82 J**	**3.7**	**3.64**
Barium	**138**	**302 J**	**424 J**	**225**	**205**
Cadmium	**0.135 J**	0.048 UJ	0.056 UJ	0.031 U	0.028 U
Chromium	**11.7**	**7.66 J**	**5.86 J**	**10.8**	**9.39**
Lead	**55**	**25.8 J**	**14.3 J**	**13.7**	**14.4**
Mercury	**0.041**	**0.208 J**	**0.167 J**	**0.078**	**0.098**
Selenium	0.315 U	**2.48 J**	**2.41 J**	0.41 U	0.374 U
Silver	0.041 U	0.082 UJ	0.096 UJ	0.053 U	0.049 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATES: May 6 and 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS011-1824-01	P026-SS012-0002-01	P026-SS012-0002-02[1]	P026-SS012-0206-01	P026-SS012-0612-01
Lab Sample ID	K2767-11	K2767-12	K2767-15	K2767-16	K2767-17
Sample Weight (g)	2.45	2.38	2.39	2.41	2.4
(Hg weight, g)	0.58	0.57	0.58	0.58	0.55
% Solid	77.9	74.7	75.7	86	88.1
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**4.21**	**7.26**	**5.72**	**11.5**	**4.8**
Barium	**166**	**179**	**111**	**87.4**	**104**
Cadmium	0.025 U	**0.2 J**	0.027 U	**0.255 J**	0.023 U
Chromium	**8.37**	**7.11**	**4.56**	**8.8**	**9.91**
Lead	**20**	**177**	**133**	**39.1**	**16.9**
Mercury	**0.065**	**0.046**	**0.036**	**0.042**	**0.034**
Selenium	0.333 U	0.357 U	0.351 U	0.306 U	0.3 U
Silver	0.043 U	0.046 UJ	0.046 U	0.04 U	0.039 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS012-1218-01	P026-SS012-1824-01	P026-SS013-0002-01	P026-SS013-0206-01
Lab Sample ID	K2767-18	K2767-19	K2767-20	K2767-21
Sample Weight (g)	2.37	2.4	2.45	2.39
(Hg weight, g)	0.56	0.56	0.58	0.57
% Solid	86	82.4	74.3	77.6
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**3.78**	**2.77**	**5.52**	**7.61**
Barium	**235**	**270**	**148**	**114**
Cadmium	**0.121 J**	0.024 U	0.026 U	**0.34**
Chromium	**9.64**	**8.86**	**10.8**	**8.62**
Lead	**17.1**	**11.1**	**32**	**67.9**
Mercury	**0.029**	**0.023**	**0.04**	**0.058**
Selenium	0.311 U	**0.555 J**	0.349 U	0.342 U
Silver	0.041 U	0.042 U	0.045 U	0.045 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[1] A field duplicate of P026-SS012-0002-01

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2767
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P026-SS012-0002-01MS) analysis met criteria for all samples except for Silver.
The Matrix Spike Duplicate (P026-SS012-0002-01MSD) analysis met criteria for all samples except for Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,

C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

F. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 3:57 pm, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS009-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.98		1	0.185	0.96	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010
7440-39-3	Barium	115		1	0.4	4.8	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.288	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010
7440-47-3	Chromium	9.87		1	0.148	0.48	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010
7439-92-1	Lead	14.2		1	0.05	0.576	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010
7439-97-6	Mercury	0.034		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 13:50	SW7471B
7782-49-2	Selenium	0.305	U	1	0.305	0.96	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010
7440-22-4	Silver	0.04	U~~N~~	1	0.04	0.48	mg/Kg	05/11/19 10:38	05/12/19 04:32	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	72.3

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.17		1	0.224	1.16	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010
7440-39-3	Barium	145		1	0.482	5.79	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010
7440-43-9	Cadmium	0.028	U	1	0.028	0.347	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010
7440-47-3	Chromium	9.04		1	0.178	0.579	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010
7439-92-1	Lead	48		1	0.06	0.694	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010
7439-97-6	Mercury	0.055		1	0.003	0.017	mg/Kg	05/13/19 10:02	05/13/19 13:57	SW7471B
7782-49-2	Selenium	0.367	U	1	0.367	1.16	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010
7440-22-4	Silver	0.048	UN	1	0.048	0.579	mg/Kg	05/11/19 10:38	05/13/19 18:40	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	7.31		1	0.201	1.04	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010
7440-39-3	Barium	135		1	0.434	5.2	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010
7440-43-9	Cadmium	0.379		1	0.025	0.312	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010
7440-47-3	Chromium	9.85		1	0.16	0.52	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010
7439-92-1	Lead	80.6		1	0.054	0.624	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010
7439-97-6	Mercury	0.06		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 13:59	SW7471B
7782-49-2	Selenium	0.33	U	1	0.33	1.04	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.52	mg/Kg	05/11/19 10:38	05/13/19 18:45	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.45		1	0.204	1.05	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010
7440-39-3	Barium	117		1	0.439	5.27	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010
7440-43-9	Cadmium	0.035	J	1	0.025	0.316	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010
7440-47-3	Chromium	10.3		1	0.162	0.527	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010
7439-92-1	Lead	97		1	0.055	0.632	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010
7439-97-6	Mercury	0.05		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:01	SW7471B
7782-49-2	Selenium	0.334	U	1	0.334	1.05	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.527	mg/Kg	05/11/19 10:38	05/13/19 18:49	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	7.55		1	0.2	1.03	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010
7440-39-3	Barium	154		1	0.431	5.17	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010
7440-43-9	Cadmium	0.166	J	1	0.025	0.31	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010
7440-47-3	Chromium	12.1		1	0.159	0.517	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010
7439-92-1	Lead	55.8		1	0.054	0.621	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010
7439-97-6	Mercury	0.07		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:04	SW7471B
7782-49-2	Selenium	0.328	U	1	0.328	1.03	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.517	mg/Kg	05/11/19 10:38	05/13/19 18:54	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS010-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.54		1	0.192	0.993	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010
7440-39-3	Barium	138		1	0.414	4.97	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010
7440-43-9	Cadmium	0.135	J	1	0.024	0.298	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010
7440-47-3	Chromium	11.7		1	0.153	0.497	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010
7439-92-1	Lead	55		1	0.051	0.596	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010
7439-97-6	Mercury	0.041		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:06	SW7471B
7782-49-2	Selenium	0.315	U	1	0.315	0.993	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.497	mg/Kg	05/11/19 10:38	05/13/19 19:07	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	43

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.19	J	1	0.382	1.98	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010
7440-39-3	Barium	302		1	0.825	9.9	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010
7440-43-9	Cadmium	0.048	U	1	0.048	0.594	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010
7440-47-3	Chromium	7.66		1	0.304	0.99	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010
7439-92-1	Lead	25.8		1	0.102	1.19	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010
7439-97-6	Mercury	0.208		1	0.005	0.029	mg/Kg	05/13/19 10:02	05/13/19 14:08	SW7471B
7782-49-2	Selenium	2.48		1	0.628	1.98	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010
7440-22-4	Silver	0.082	UN	1	0.082	0.99	mg/Kg	05/11/19 10:38	05/13/19 19:12	SW6010

6/18/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	35.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.82	J	1	0.449	2.32	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010
7440-39-3	Barium	424		1	0.968	11.6	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010
7440-43-9	Cadmium	0.056	U	1	0.056	0.696	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010
7440-47-3	Chromium	5.86		1	0.357	1.16	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010
7439-92-1	Lead	14.3		1	0.12	1.39	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010
7439-97-6	Mercury	0.167		1	0.006	0.034	mg/Kg	05/13/19 10:02	05/13/19 14:10	SW7471B
7782-49-2	Selenium	2.41		1	0.737	2.32	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010
7440-22-4	Silver	0.096	UN	1	0.096	1.16	mg/Kg	05/11/19 10:38	05/13/19 19:16	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	66.2

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.7		1	0.249	1.29	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010
7440-39-3	Barium	225		1	0.538	6.46	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010
7440-43-9	Cadmium	0.031	U	1	0.031	0.387	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010
7440-47-3	Chromium	10.8		1	0.198	0.646	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010
7439-92-1	Lead	13.7		1	0.067	0.775	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010
7439-97-6	Mercury	0.078		1	0.003	0.019	mg/Kg	05/13/19 10:02	05/13/19 14:13	SW7471B
7782-49-2	Selenium	0.41	U	1	0.41	1.29	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010
7440-22-4	Silver	0.053	UN	1	0.053	0.646	mg/Kg	05/11/19 10:38	05/13/19 19:21	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	70.7

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.64		1	0.228	1.18	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010
7440-39-3	Barium	205		1	0.491	5.89	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010
7440-43-9	Cadmium	0.028	U	1	0.028	0.354	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010
7440-47-3	Chromium	9.39		1	0.181	0.589	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010
7439-92-1	Lead	14.4		1	0.061	0.707	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010
7439-97-6	Mercury	0.098		1	0.003	0.017	mg/Kg	05/13/19 10:02	05/13/19 14:15	SW7471B
7782-49-2	Selenium	0.374	U	1	0.374	1.18	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010
7440-22-4	Silver	0.049	UN	1	0.049	0.589	mg/Kg	05/11/19 10:38	05/13/19 19:25	SW6010

SB 6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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page 162 of 180
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS011-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.21		1	0.202	1.05	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010
7440-39-3	Barium	166		1	0.437	5.24	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010
7440-43-9	Cadmium	0.025	U	1	0.025	0.314	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010
7440-47-3	Chromium	8.37		1	0.161	0.524	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010
7439-92-1	Lead	20		1	0.054	0.629	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010
7439-97-6	Mercury	0.065		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:17	SW7471B
7782-49-2	Selenium	0.333	U	1	0.333	1.05	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010
7440-22-4	Silver	0.043	UN	1	0.043	0.524	mg/Kg	05/11/19 10:38	05/13/19 19:30	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	74.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	7.26		1	0.217	1.12	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010
7440-39-3	Barium	179		1	0.469	5.62	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010
7440-43-9	Cadmium	0.2	J	1	0.027	0.337	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010
7440-47-3	Chromium	7.11		1	0.173	0.562	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010
7439-92-1	Lead	177		1	0.058	0.675	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010
7439-97-6	Mercury	0.046		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 14:24	SW7471B
7782-49-2	Selenium	0.357	U	1	0.357	1.12	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010
7440-22-4	Silver	0.046	UNJ	1	0.046	0.562	mg/Kg	05/11/19 10:38	05/14/19 13:26	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0002-02	SDG No.:	K2767
Lab Sample ID:	K2767-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	75.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.72		1	0.214	1.11	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010
7440-39-3	Barium	111		1	0.461	5.53	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010
7440-43-9	Cadmium	0.027	U	1	0.027	0.332	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010
7440-47-3	Chromium	4.56		1	0.17	0.553	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010
7439-92-1	Lead	133		1	0.057	0.663	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010
7439-97-6	Mercury	0.036		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 14:33	SW7471B
7782-49-2	Selenium	0.351	U	1	0.351	1.11	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010
7440-22-4	Silver	0.046	UN	1	0.046	0.553	mg/Kg	05/11/19 10:38	05/13/19 20:10	SW6010

(S) 6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	11.5		1	0.186	0.965	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010
7440-39-3	Barium	87.4		1	0.402	4.82	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010
7440-43-9	Cadmium	0.255	J	1	0.023	0.289	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010
7440-47-3	Chromium	8.8		1	0.148	0.482	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010
7439-92-1	Lead	39.1		1	0.05	0.579	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010
7439-97-6	Mercury	0.042		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 14:35	SW7471B
7782-49-2	Selenium	0.306	U	1	0.306	0.965	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.482	mg/Kg	05/11/19 10:38	05/13/19 20:14	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-0612-01	SDG No.:	K2767
Lab Sample ID:	K2767-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.8		1	0.183	0.946	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010
7440-39-3	Barium	104		1	0.394	4.73	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010
7440-43-9	Cadmium	0.023	U	1	0.023	0.284	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010
7440-47-3	Chromium	9.91		1	0.145	0.473	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010
7439-92-1	Lead	16.9		1	0.049	0.568	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010
7439-97-6	Mercury	0.034		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 14:38	SW7471B
7782-49-2	Selenium	0.3	U	1	0.3	0.946	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.473	mg/Kg	05/11/19 10:38	05/13/19 20:19	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1218-01	SDG No.:	K2767
Lab Sample ID:	K2767-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.78		1	0.19	0.981	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010
7440-39-3	Barium	235		1	0.409	4.91	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010
7440-43-9	Cadmium	0.121	J	1	0.024	0.294	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010
7440-47-3	Chromium	9.64		1	0.151	0.491	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010
7439-92-1	Lead	17.1		1	0.051	0.589	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010
7439-97-6	Mercury	0.029		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:40	SW7471B
7782-49-2	Selenium	0.311	U	1	0.311	0.981	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.491	mg/Kg	05/11/19 10:38	05/13/19 20:23	SW6010

SS 6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS012-1824-01	SDG No.:	K2767
Lab Sample ID:	K2767-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.77		1	0.195	1.01	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010
7440-39-3	Barium	270		1	0.422	5.06	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.303	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010
7440-47-3	Chromium	8.86		1	0.155	0.506	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010
7439-92-1	Lead	11.1		1	0.052	0.607	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010
7439-97-6	Mercury	0.023		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:42	SW7471B
7782-49-2	Selenium	0.555	J	1	0.321	1.01	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.506	mg/Kg	05/11/19 10:38	05/13/19 20:28	SW6010

SG 6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0002-01	SDG No.:	K2767
Lab Sample ID:	K2767-20	Matrix:	SOIL
Level (low/med):	low	% Solid:	74.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.52		1	0.212	1.1	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010
7440-39-3	Barium	148		1	0.458	5.49	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010
7440-47-3	Chromium	10.8		1	0.169	0.549	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010
7439-92-1	Lead	32		1	0.057	0.659	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010
7439-97-6	Mercury	0.04		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 14:45	SW7471B
7782-49-2	Selenium	0.349	U	1	0.349	1.1	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010
7440-22-4	Silver	0.045	UN	1	0.045	0.549	mg/Kg	05/11/19 10:38	05/13/19 20:33	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0206-01	SDG No.:	K2767
Lab Sample ID:	K2767-21	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	7.61		1	0.208	1.08	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010
7440-39-3	Barium	114		1	0.45	5.39	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010
7440-43-9	Cadmium	0.34		1	0.026	0.324	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010
7440-47-3	Chromium	8.62		1	0.166	0.539	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010
7439-92-1	Lead	67.9		1	0.056	0.647	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010
7439-97-6	Mercury	0.058		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 14:51	SW7471B
7782-49-2	Selenium	0.342	U	1	0.342	1.08	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010
7440-22-4	Silver	0.045	U	1	0.045	0.539	mg/Kg	05/11/19 10:38	05/13/19 20:37	SW6010

6/13/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2767	**OrderDate:**	5/9/2019 9:54:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2767-01	**P026-SS009-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/12/19	
K2767-02	**P026-SS010-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-03	**P026-SS010-0206-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-04	**P026-SS010-0612-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-05	**P026-SS010-1218-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-06	**P026-SS010-1824-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-07	**P026-SS011-0002-01**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	

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LAB CHRONICLE

K2767-08	**P026-SS011-0206-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-09	**P026-SS011-0612-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-10	**P026-SS011-1218-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-11	**P026-SS011-1824-0 1**	**SOIL**			**05/06/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-12	**P026-SS012-0002-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/14/19	
K2767-15	**P026-SS012-0002-0 2**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-16	**P026-SS012-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-17	**P026-SS012-0612-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-18	**P026-SS012-1218-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	

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LAB CHRONICLE

K2767-19	**P026-SS012-1824-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-20	**P026-SS013-0002-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2767-21	**P026-SS013-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	

SHIPPING DOCUMENTS

K2767

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS009-1824-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:29	1	8 oz glass	4 C	N
	P026-SS009-1824-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:29	1	8 oz glass	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	RCRA Metals (Solid)	5/6/2019	16:36	1	8 oz glass	4 C	N
	P026-SS010-0002-01	P026-SS009	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:36	1	8 oz glass	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:42	1	8 oz glass	4 C	N
	P026-SS010-0206-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:42	1	8 oz glass	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:50	1	8 oz glass	4 C	N
	P026-SS010-0612-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:50	1	8 oz glass	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	16:57	1	8 oz glass	4 C	N
	P026-SS010-1218-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	16:57	1	8 oz glass	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	17:02	1	8 oz glass	4 C	N
	P026-SS010-1824-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:02	1	8 oz glass	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:08	1	8 oz glass	4 C	N
	P026-SS011-0002-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:08	1	8 oz glass	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	RCRA Metals (Solid)	5/6/2019	17:15	1	8 oz glass	4 C	N
	P026-SS011-0206-01	P026-SS010	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:15	1	8 oz glass	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:19	1	8 oz glass	4 C	N
	P026-SS011-0612-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:19	1	8 oz glass	4 C	N
	P026-SS011-1218-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	[signature] - William CSTD	5/9/2019 700	[signature]	5-9-19 0935	23°C

K2767

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 8-7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS011-1218-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	RCRA Metals (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS011-1824-01	P026-SS011	Soil	TCL SVOCs, PCBs (Solid)	5/6/2019	17:20	1	8 oz glass	4 C	N
	P026-SS012-0002-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:02	2	8 oz glass	4 C	Y
	P026-SS012-0002-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:02	2	8 oz glass	4 C	Y
	P026-SS012-0002-02	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:02	1	8 oz glass	4 C	N
	P026-SS012-0002-02	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:02	1	8 oz glass	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:09	1	8 oz glass	4 C	N
	P026-SS012-0206-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:09	1	8 oz glass	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:15	1	8 oz glass	4 C	N
	P026-SS012-0612-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:15	1	8 oz glass	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:22	1	8 oz glass	4 C	N
	P026-SS012-1218-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:22	1	8 oz glass	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:32	1	8 oz glass	4 C	N
	P026-SS012-1824-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:32	1	8 oz glass	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	RCRA Metals (Solid)	5/7/2019	08:37	1	8 oz glass	4 C	N
	P026-SS013-0002-01	P026-SS013	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:37	1	8 oz glass	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:42	1	8 oz glass	4 C	N
	P026-SS013-0206-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:42	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analysis	Wilson RSTI	5/9/2019 900		5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) GORGE NEGRON		Log-In Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS009-1824-01	MA No. ~~0100105~~ SC

Remarks	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.1 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12.Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS009-1824		K2767-01	Intact
2	P026-SS010-0002		K2767-02	Intact
3	P026-SS010-0206		K2767-03	Intact
4	P026-SS010-0612		K2767-04	Intact
5	P026-SS010-1218		K2767-05	Intact
6	P026-SS010-1824		K2767-06	Intact
7	P026-SS011-0002		K2767-07	Intact
8	P026-SS011-0206		K2767-08	Intact
9	P026-SS011-0612		K2767-09	Intact
10	P026-SS011-1218		K2767-10	Intact
11	P026-SS011-1824		K2767-11	Intact
12	P026-SS012-0002		K2767-12	Intact
13	K2767-12MS		K2767-13	Intact
14	K2767-12MSD		K2767-14	Intact
15	P026-SS012-0002		K2767-15	Intact
16	P026-SS012-0206		K2767-16	Intact
17	P026-SS012-0612		K2767-17	Intact
18	P026-SS012-1218		K2767-18	Intact
19	P026-SS012-1824		K2767-19	Intact
20	P026-SS013-0002		K2767-20	Intact
21	P026-SS013-0206		K2767-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 19/Soils

Lab Order No.: K2768

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: **Date:** 06/20/2019

On May 7, 2019, EPA Region II and RST 3 personnel collected 19 soil samples, including one field duplicate for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2768				
P026-SS013-0612-01	J2768-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS013-1218-01	J2768-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS013-1824-01	J2768-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS014-0002-01	J2768-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS014-0206-01	J2768-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS014-0612-01	J2768-06	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS014-1218-01	J2768-07	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS014-1824-01	J2768-08	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS015-0002-01	J2768-09	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS015-0206-01	J2768-10	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS015-0612-01	J2768-11	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS015-1218-01	J2768-12	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS015-1824-01	J2768-13	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS015-1824-02[1]	J2768-16	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS016-0002-01	J2768-17	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS016-0206-01	J2768-18	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS016-0612-01	J2768-19	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS016-1218-01	J2768-20	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019
P026-SS016-1824-01	J2768-21	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/07/2019

[1] A field duplicate of P026-SS015-1824-01

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When surrogate recoveries are <10 percent recovery (%R), detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS015-1824-01 was used for MS/MSD analyses. The relative percent difference (RPD) exceeded the laboratory control limit of 20% for 4-chloroaniline. Since, 4-chloroaniline was not detected in sample P026-SS015-1824-01, no action was required.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No contaminants were detected in rinsate blank RB-190507 associated with SDG No. K2769.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.66 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P026-SS014-1218-01, P026-SS014-1824-01, P026-SS015-0612-01, P026-SS015-1218-01, P026-SS015-1824-01, and P026-SS015-1824-02.

Laboratory artifact eluted around retention time 3.22 minute was detected in rinsate blank RB-190507 (reported with SDG# K2769) and associated soil samples. This laboratory artifact was rejected (R) for associated samples: P026-SS014-1218-01, P026-SS014-1824-01, P026-SS015-0612-01, P026-SS015-1218-01, P026-SS015-1824-01, and P026-SS015-1824-02.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>) 20 for 2,4-dinitrophenol, initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde, and initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/13/2019@ 11:40	CCV	Di-n-Octylphthalate	P026-SS014-0002-01	J/UJ
5/11/2019@ 14:47	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P026-SS014-1824-01	J/UJ
5/12/2019@ 04:04	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	P026-SS014-1218-01 P026-SS015-0612-01 P026-SS015-1218-01 P026-SS015-1824-01 P026-SS015-1824-02	J/UJ
5/12/2019@ 11:21	CCV	Indeno(1,2,3-cd)pyrene	P026-SS013-0612-01 P026-SS013-1218-01 P026-SS013-1824-01 P026-SS014-0206-01 P026-SS014-0612-01 P026-SS015-0206-01 P026-SS016-0612-01 P026-SS016-1218-01 P026-SS016-1824-01	J/UJ

7. INTERNAL STANDARDS PERFORMANCE GC/MS:
Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:
Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

All SVOCs results were comparable between sample P026-SS015-1824-01 and its field duplicate P026-SS015-1824-02.

9. COMPOUND IDENTIFICATION:
Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

The laboratory reported non-target SVOCs as TICs and denoted as non-target (NT) on the Form 1s. The non-target SVOCs are not project target analytes but were present in the sample and quantitated using the SVOC calibration standards in the following samples:

P026-SS014-0002-01 and P026-SS015-0002-01: Benzoic Acid

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

Laboratory control sample (LCS) PB119655BS analysis: No problems were found for this criterion.

As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:
Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the

inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:
A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:
Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Arsenic result in ICB (LB102708) is greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). Since, the associated sample results are greater than CRQL; using professional judgment, no qualification was required.

No contaminants were detected in rinsate blank RB-190507 associated with SDG No. K2769.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS

Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The recoveries of chromium, selenium, and silver were below the acceptance criteria in the MS/MSD analysis performed on sample P026-SS015-1824-01. The non-detected result for chromium, selenium, and silver were qualified as estimated (J or UJ). The laboratory qualified all silver results with "N" due to the low recoveries of silver in the MS/MSD. The "N" qualifiers were removed during data validation.

6. DUPLICATE SAMPLE ANALYSIS:

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Soil field duplicate sample pair P026-SS015-1824-01 and P026-SS015-1824-02 were analyzed and results were within applicable control limits. No data qualifiers were required.

8. LABORATORY CONTROL SAMPLE:
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:
The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

Soil sample P026-SS015-1824-01 was used for serial dilution analyses. The detected chromium result exceeded the %D criteria of 20%; since, chromium was previously qualifies due to non-compliance MS/MSD recoveries, no further action was required.

10. PERCENT SOLIDS:
The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01
Lab Sample ID	K2768-01	K2768-02	K2768-03	K2768-04	K2768-05
Sample weight (g)	30.16	30.13	30.13	30.05	30.15
Moisture (%)	22.1	16.9	16.2	41.1	28.7
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	120 U	120 U	120 U	170 U	140 U
Phenol	80 U	75.1 U	74.5 U	110 U	87.5 U
bis(2-Chloroethyl)ether	130 U	120 U	120 U	180 U	140 U
2-Chlorophenol	84.1 U	79 U	78.3 U	110 U	92 U
2-Methylphenol	89.7 U	84.1 U	83.4 U	120 U	98 U
2,2-oxybis(1-Chloropropane)	110 U	110 U	110 U	150 U	120 U
Acetophenone	120 U	110 U	110 U	160 U	130 U
3+4-Methylphenols	130 U	120 U	120 U	170 U	140 U
n-Nitroso-di-n-propylamine	170 U	160 U	160 U	230 U	190 U
Hexachloroethane	110 U	100 U	100 U	140 U	120 U
Nitrobenzene	55.3 U	51.9 U	51.5 U	73.4 U	60.5 U
Isophorone	46.8 U	43.9 U	43.6 U	62.1 U	51.2 U
2-Nitrophenol	97.4 U	91.4 U	90.7 U	130 U	110 U
2,4-Dimethylphenol	70.5 U	66.1 U	65.6 U	93.5 U	77 U
bis(2-Chloroethoxy)methane	65.7 U	61.6 U	61.1 U	87.2 U	71.8 U
2,4-Dichlorophenol	65.5 U	61.4 U	60.9 U	86.9 U	71.6 U
Naphthalene	**210 J**	**250 J**	**140 J**	84.3 U	69.4 U
4-Chloroaniline	180 U	160 U	160 U	230 U	190 U
Hexachlorobutadiene	77.6 U	72.8 U	72.2 U	100 U	84.8 U
Caprolactam	140 U	130 U	130 U	190 U	160 U
4-Chloro-3-methylphenol	75.5 U	70.9 U	70.3 U	100 U	82.6 U
2-Methylnaphthalene	**130 J**	**150 J**	**81.1 J**	100 U	85.8 U
Hexachlorocyclopentadiene	280 U	270 U	260 U	380 U	310 U
2,4,6-Trichlorophenol	77.2 U	72.5 U	71.9 U	100 U	84.4 U
2,4,5-Trichlorophenol	75.5 U	70.9 U	70.3 U	100 U	82.5 U
1,1-Biphenyl	130 U	120 U	120 U	180 U	150 U
2-Chloronaphthalene	96.2 U	90.3 U	89.5 U	130 U	110 U
2-Nitroaniline	88.8 U	83.3 U	82.6 U	120 U	97 U
Dimethylphthalate	**400 J**	**470**	**430**	**670**	**410 J**
Acenaphthylene	**700**	**690**	**530**	100 U	83.7 U
2,6-Dinitrotoluene	90.2 U	84.7 U	84 U	120 U	98.6 U
3-Nitroaniline	170 U	150 U	150 U	220 U	180 U
Acenaphthene	86.6 U	81.2 U	80.6 U	110 U	94.6 U
2,4-Dinitrophenol	110 U	100 U	100 U	150 U	120 U
4-Nitrophenol	82.4 U	77.4 U	76.7 U	110 U	90.1 U
Dibenzofuran	110 U	110 U	110 U	150 U	130 U
2,4-Dinitrotoluene	110 U	99.7 U	98.8 U	140 U	120 U
Diethylphthalate	80.7 U	75.7 U	75.1 U	110 U	88.2 U
4-Chlorophenyl-phenylether	110 U	100 U	99.1 U	140 U	120 U
Fluorene	**100 J**	**89.5 J**	60.5 U	86.3 U	71.1 U
4-Nitroaniline	110 U	100 U	100 U	150 U	120 U
4,6-Dinitro-2-methylphenol	89.1 U	83.6 U	82.9 U	120 U	97.4 U
n-Nitrosodiphenylamine	98.8 U	92.7 U	91.9 U	130 U	110 U
4-Bromophenyl-phenylether	72 U	67.6 U	67 U	95.6 U	78.7 U
Hexachlorobenzene	84.9 U	79.7 U	79 U	110 U	92.8 U
Atrazine	100 U	95.1 U	94.4 U	130 U	110 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01
Lab Sample ID	K2768-01	K2768-02	K2768-03	K2768-04	K2768-05
Sample weight (g)	30.16	30.13	30.13	30.05	30.15
Moisture (%)	22.1	16.9	16.2	41.1	28.7
Dilution Factor	1	1	1	1	1
Pentachlorophenol	140 U	130 U	130 U	180 U	150 U
Phenanthrene	**1600**	**1500**	**1300**	96.7 U	79.6 U
Anthracene	**410 J**	**370 J**	**300 J**	94.5 U	77.8 U
Carbazole	110 U	110 U	110 U	150 U	130 U
Di-n-butylphthalate	130 U	120 U	120 U	170 U	140 U
Fluoranthene	**2300**	**2100**	**1800**	83.8 U	69 U
Pyrene	**4000**	**3700**	**3000**	100 U	85 U
Butylbenzylphthalate	81.5 U	76.5 U	75.8 U	110 U	89 U
3,3-Dichlorobenzidine	190 U	180 U	180 U	250 U	210 U
Benzo(a)anthracene	**1500**	**1400**	**1100**	63.7 U	52.5 U
Chrysene	**1900**	**1700**	**1300**	72.1 U	59.4 U
Bis(2-ethylhexyl)phthalate	120 U	110 U	110 U	160 U	130 U
Di-n-octyl phthalate	91 U	85.4 U	84.7 U	120 UJ	99.5 U
Benzo(b)fluoranthene	**1700**	**1600**	**1300**	82.4 U	67.9 U
Benzo(k)fluoranthene	**540**	**440**	**310 J**	95.5 U	78.6 U
Benzo(a)pyrene	**1300**	**1200**	**930**	75.2 U	61.9 U
Indeno(1,2,3-cd)pyrene	**1000 J**	**920 J**	**680 J**	120 U	100 UJ
Dibenzo(a,h)anthracene	**260 J**	**240 J**	**170 J**	88.7 U	73 U
Benzo(g,h,i)perylene	**1300**	**1200**	**920**	100 U	85.3 U
1,2,4,5-Tetrachlorobenzene	99.9 U	93.7 U	92.9 U	130 U	110 U
1,4-Dioxane	150 U	140 U	140 U	200 U	160 U
2,3,4,6-Tetrachlorophenol	53.1 U	49.9 U	49.5 U	70.5 U	58.1 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS014-0612-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01
Lab Sample ID	K2767-06	K2767-07	K2767-08	K2767-09	K2767-10
Sample weight (g)	30.03	30.04	30.12	30.06	30.13
Moisture (%)	23	18.5	10.3	15.7	9.1
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	130 U	120 U	110 U	120 U	110 U
Phenol	81.3 U	76.8 U	69.6 U	74.2 U	68.7 U
bis(2-Chloroethyl)ether	130 U	130 U	110 U	120 U	110 U
2-Chlorophenol	85.5 U	80.7 U	73.2 U	78 U	72.2 U
2-Methylphenol	91.1 U	86 U	78 U	83.1 U	76.9 U
2,2-oxybis(1-Chloropropane)	110 U	110 U	98.3 U	100 U	97 U
Acetophenone	120 U	110 U	100 U	110 U	100 U
3+4-Methylphenols	130 U	120 U	110 U	120 U	110 U
n-Nitroso-di-n-propylamine	180 U	170 U	150 U	160 U	150 U
Hexachloroethane	110 U	100 U	93.6 U	99.7 U	92.3 U
Nitrobenzene	56.2 U	53.1 U	48.1 U	51.3 U	47.5 U
Isophorone	47.6 U	44.9 U	40.7 U	43.4 U	40.1 U
2-Nitrophenol	99 U	93.5 UJ	84.7 UJ	90.4 U	83.6 U
2,4-Dimethylphenol	71.6 U	67.6 U	61.3 U	65.3 U	60.5 U
bis(2-Chloroethoxy)methane	66.7 U	63 U	57.1 U	60.9 U	56.3 U
2,4-Dichlorophenol	66.5 U	62.8 U	56.9 U	60.7 U	56.2 U
Naphthalene	64.6 U	61 U	55.3 U	**110 J**	54.5 U
4-Chloroaniline	180 U	170 U	150 U	160 U	150 U
Hexachlorobutadiene	78.8 U	74.4 U	67.5 U	71.9 U	66.5 U
Caprolactam	150 U	140 U	120 U	130 U	120 U
4-Chloro-3-methylphenol	76.8 U	72.5 U	65.7 U	70 U	64.8 U
2-Methylnaphthalene	79.8 U	75.4 U	68.3 U	72.8 U	67.4 U
Hexachlorocyclopentadiene	290 U	270 U	250 U	260 U	240 U
2,4,6-Trichlorophenol	78.5 U	74.1 U	67.1 U	71.6 U	66.2 U
2,4,5-Trichlorophenol	76.7 U	72.5 U	65.7 U	70 U	64.8 U
1,1-Biphenyl	130 U	130 U	120 U	120 U	110 U
2-Chloronaphthalene	97.8 U	92.4 U	83.7 U	89.2 U	82.6 U
2-Nitroaniline	90.2 U	85.2 U	77.2 U	82.3 U	76.2 U
Dimethylphthalate	**400 J**	**580**	**390**	**310 J**	**320 J**
Acenaphthylene	77.8 U	73.5 U	66.6 U	**300 J**	65.7 U
2,6-Dinitrotoluene	91.7 U	86.6 U	78.5 U	83.6 U	77.4 U
3-Nitroaniline	170 U	160 U	140 U	150 U	140 U
Acenaphthene	88 U	83.1 U	75.3 U	80.3 U	74.3 U
2,4-Dinitrophenol	110 U	110 UJ	97.3 UJ	100 U	96 U
4-Nitrophenol	83.8 U	79.1 U	71.7 U	76.4 U	70.7 U
Dibenzofuran	120 U	110 U	99.8 U	110 U	98.4 U
2,4-Dinitrotoluene	110 U	100 UJ	92.4 UJ	98.5 U	91.1 U
Diethylphthalate	82 U	77.5 U	70.2 U	74.8 U	69.2 U
4-Chlorophenyl-phenylether	110 U	100 U	92.6 U	98.8 U	91.4 U
Fluorene	66.1 U	62.4 U	56.6 U	60.3 U	55.8 U
4-Nitroaniline	110 U	110 U	97.2 U	100 U	95.9 U
4,6-Dinitro-2-methylphenol	90.6 U	85.5 UJ	77.5 UJ	82.6 U	76.5 U
n-Nitrosodiphenylamine	100 U	94.8 U	85.9 U	91.6 U	84.7 U
4-Bromophenyl-phenylether	73.2 U	69.1 U	62.6 U	66.8 U	61.8 U
Hexachlorobenzene	86.3 U	81.5 U	73.8 U	78.7 U	72.8 U
Atrazine	100 U	97.3 U	88.2 U	94 U	87 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS014-0612-01	P026-SS011-0002-01	P026-SS011-0206-01	P026-SS011-0612-01	P026-SS011-1218-01
Lab Sample ID	K2767-06	K2767-07	K2767-08	K2767-09	K2767-10
Sample weight (g)	30.03	30.04	30.12	30.06	30.13
Moisture (%)	23	18.5	10.3	15.7	9.1
Dilution Factor	1	1	1	1	1
Pentachlorophenol	140 U	130 U	120 U	130 U	120 U
Phenanthrene	74 U	69.9 U	63.4 U	**870**	**110 J**
Anthracene	72.3 U	68.3 U	61.9 U	**160 J**	61.1 U
Carbazole	120 U	110 U	99.8 U	110 U	98.4 U
Di-n-butylphthalate	130 U	120 U	110 U	120 U	110 U
Fluoranthene	64.2 U	60.6 U	54.9 U	**1200**	**210 J**
Pyrene	79 U	74.6 U	67.6 U	**2100**	**380**
Butylbenzylphthalate	82.8 U	78.2 U	70.9 U	75.5 U	69.9 U
3,3-Dichlorobenzidine	190 U	180 U	160 U	180 U	160 U
Benzo(a)anthracene	48.8 U	46.1 U	41.7 U	**970**	**130 J**
Chrysene	55.2 U	52.1 U	47.2 U	**1400**	**190 J**
Bis(2-ethylhexyl)phthalate	120 U	110 U	100 U	110 U	100 U
Di-n-octyl phthalate	92.5 U	87.4 U	79.2 U	84.4 U	78.1 U
Benzo(b)fluoranthene	63.1 U	59.6 U	54 U	**1400**	**210 J**
Benzo(k)fluoranthene	73.1 U	69 U	62.5 U	**400**	61.7 U
Benzo(a)pyrene	57.5 U	54.3 U	49.2 U	**990**	**140 J**
Indeno(1,2,3-cd)pyrene	93.8 UJ	88.6 U	80.3 U	**760**	**100 J**
Dibenzo(a,h)anthracene	67.9 U	64.1 U	58.1 U	**210 J**	57.3 U
Benzo(g,h,i)perylene	79.3 U	74.9 U	67.8 U	**870**	**140 J**
1,2,4,5-Tetrachlorobenzene	100 U	95.8 U	86.8 U	92.6 U	85.7 U
1,4-Dioxane	150 U	140 U	130 U	140 U	130 U
2,3,4,6-Tetrachlorophenol	54 U	51 U	46.2 U	49.3 U	45.6 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02[1]	P026-SS016-0002-01
Lab Sample ID	K2768-11	K2768-12	K2768-13	K2768-16	K2768-17
Sample weight (g)	30.07	30.15	30.08	30.04	30.12
Moisture (%)	10.5	10.4	12.6	10.5	19.9
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	110 U	110 U	110 U	110 U	120 U
Phenol	69.9 U	69.6 U	71.5 U	69.9 U	77.9 U
bis(2-Chloroethyl)ether	120 U	110 U	120 U	120 U	130 U
2-Chlorophenol	73.5 U	73.2 U	75.2 U	73.5 U	81.9 U
2-Methylphenol	78.3 U	78 U	80.1 U	78.3 U	87.3 U
2,2-oxybis(1-Chloropropane)	98.7 U	98.3 U	100 U	98.8 U	110 U
Acetophenone	100 U	100 U	110 U	100 U	120 U
3+4-Methylphenols	110 U	110 U	110 U	110 U	120 U
n-Nitroso-di-n-propylamine	150 U	150 U	160 U	150 U	170 U
Hexachloroethane	93.9 U	93.6 U	96.1 U	94 U	100 U
Nitrobenzene	48.3 U	48.1 U	49.4 U	48.3 U	53.9 U
Isophorone	40.9 U	40.7 U	41.8 U	40.9 U	45.6 U
2-Nitrophenol	85.1 UJ	84.8 UJ	87.1 UJ	85.2 UJ	94.9 U
2,4-Dimethylphenol	61.5 U	61.3 U	63 U	61.6 U	68.6 U
bis(2-Chloroethoxy)methane	57.3 U	57.1 U	58.7 U	57.4 U	64 U
2,4-Dichlorophenol	57.2 U	56.9 U	58.5 U	57.2 U	63.8 U
Naphthalene	55.5 U	55.3 U	56.8 U	55.5 U	61.9 U
4-Chloroaniline	150 U	150 U	160 U	150 U	170 U
Hexachlorobutadiene	67.7 U	67.5 U	69.3 U	67.8 U	75.5 U
Caprolactam	130 U	120 U	130 U	130 U	140 U
4-Chloro-3-methylphenol	66 U	65.7 U	67.5 U	66 U	73.6 U
2-Methylnaphthalene	68.6 U	68.3 U	70.2 U	68.6 U	76.5 U
Hexachlorocyclopentadiene	250 U	250 U	250 U	250 U	280 U
2,4,6-Trichlorophenol	67.4 U	67.2 U	69 U	67.5 U	75.2 U
2,4,5-Trichlorophenol	65.9 U	65.7 U	67.5 U	66 U	73.5 U
1,1-Biphenyl	120 U	120 U	120 U	120 U	130 U
2-Chloronaphthalene	84 U	83.7 U	86 U	84.1 U	93.7 U
2-Nitroaniline	77.5 U	77.2 U	79.3 U	77.6 U	86.4 U
Dimethylphthalate	**450**	**470**	**370 J**	**380**	**540**
Acenaphthylene	66.8 U	66.6 U	68.4 U	66.9 U	**230 J**
2,6-Dinitrotoluene	78.8 U	78.5 U	80.6 U	78.8 U	87.9 U
3-Nitroaniline	140 U	140 U	150 U	140 U	160 U
Acenaphthene	75.6 U	75.3 U	77.4 U	75.7 U	84.3 U
2,4-Dinitrophenol	97.7 UJ	97.3 UJ	100 UJ	97.8 UJ	110 U
4-Nitrophenol	72 U	71.7 U	73.7 U	72 U	80.3 U
Dibenzofuran	100 U	99.8 U	100 U	100 U	110 U
2,4-Dinitrotoluene	92.7 UJ	92.4 UJ	94.9 UJ	92.8 UJ	100 U
Diethylphthalate	70.5 U	70.2 U	72.1 U	70.5 U	78.6 U
4-Chlorophenyl-phenylether	93 U	92.6 U	95.2 U	93.1 U	100 U
Fluorene	56.8 U	56.6 U	58.1 U	56.8 U	63.3 U
4-Nitroaniline	97.6 U	97.2 U	99.9 U	97.7 U	110 U
4,6-Dinitro-2-methylphenol	77.8 UJ	77.5 UJ	79.6 UJ	77.9 UJ	86.8 U
n-Nitrosodiphenylamine	86.2 U	85.9 U	88.3 U	86.3 U	96.2 U
4-Bromophenyl-phenylether	62.9 U	62.6 U	64.4 U	62.9 U	70.1 U
Hexachlorobenzene	74.1 U	73.9 U	75.9 U	74.2 U	82.7 U
Atrazine	88.5 U	88.2 U	90.6 U	88.6 U	98.7 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02[1]	P026-SS016-0002-01
Lab Sample ID	K2768-11	K2768-12	K2768-13	K2768-16	K2768-17
Sample weight (g)	30.07	30.15	30.08	30.04	30.12
Moisture (%)	10.5	10.4	12.6	10.5	19.9
Dilution Factor	1	1	1	1	1
Pentachlorophenol	120 U	120 U	120 U	120 U	130 U
Phenanthrene	63.6 U	63.4 U	65.1 U	63.7 U	**550**
Anthracene	62.1 U	61.9 U	63.6 U	62.2 U	**100 J**
Carbazole	100 U	99.8 U	100 U	100 U	110 U
Di-n-butylphthalate	110 U	110 U	110 U	110 U	120 U
Fluoranthene	55.1 U	**94.4 J**	56.4 U	55.2 U	**970**
Pyrene	67.9 U	**200 J**	69.5 U	67.9 U	**1700**
Butylbenzylphthalate	71.1 U	70.9 U	72.8 U	71.2 U	79.3 U
3,3-Dichlorobenzidine	160 U	160 U	170 U	170 U	180 U
Benzo(a)anthracene	41.9 U	41.8 U	42.9 U	42 U	**850**
Chrysene	47.4 U	**89.8 J**	48.5 U	47.5 U	**1100**
Bis(2-ethylhexyl)phthalate	100 U	100 U	110 U	100 U	110 U
Di-n-octyl phthalate	79.5 U	79.2 U	81.3 U	79.5 U	88.6 U
Benzo(b)fluoranthene	54.2 U	**87.4 J**	55.5 U	54.3 U	**1000**
Benzo(k)fluoranthene	62.8 U	62.5 U	64.3 U	62.8 U	**400 J**
Benzo(a)pyrene	49.4 U	49.2 U	50.6 U	49.5 U	**900**
Indeno(1,2,3-cd)pyrene	80.6 U	80.3 U	82.5 U	80.7 U	**600**
Dibenzo(a,h)anthracene	58.3 U	58.1 U	59.7 U	58.4 U	**170 J**
Benzo(g,h,i)perylene	68.1 U	67.9 U	69.7 U	68.2 U	**700**
1,2,4,5-Tetrachlorobenzene	87.2 U	86.9 U	89.2 U	87.3 U	97.2 U
1,4-Dioxane	130 U	130 U	130 U	130 U	150 U
2,3,4,6-Tetrachlorophenol	46.4 U	46.2 U	47.5 U	46.4 U	51.8 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01
Lab Sample ID	K2768-18	K2768-19	K2768-20	K2768-21
Sample weight (g)	30.1	30.1	30.13	30.05
Moisture (%)	14.3	17.6	13.4	14.9
Dilution Factor	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)				
Benzaldehyde	110 U	120 U	110 U	110 U
Phenol	72.9 U	75.8 U	72.1 U	73.5 U
bis(2-Chloroethyl)ether	120 U	130 U	120 U	120 U
2-Chlorophenol	76.6 U	79.7 U	75.8 U	77.3 U
2-Methylphenol	81.7 U	84.9 U	80.7 U	82.4 U
2,2-oxybis(1-Chloropropane)	100 U	110 U	100 U	100 U
Acetophenone	110 U	110 U	110 U	110 U
3+4-Methylphenols	110 U	120 U	110 U	120 U
n-Nitroso-di-n-propylamine	160 U	170 U	160 U	160 U
Hexachloroethane	98 U	100 U	96.9 U	98.8 U
Nitrobenzene	50.4 U	52.4 U	49.8 U	50.8 U
Isophorone	42.6 U	44.3 U	42.1 U	43 U
2-Nitrophenol	88.8 U	92.3 U	87.7 U	89.5 U
2,4-Dimethylphenol	64.2 U	66.8 U	63.5 U	64.7 U
bis(2-Chloroethoxy)methane	59.8 U	62.2 U	59.1 U	60.3 U
2,4-Dichlorophenol	59.6 U	62 U	59 U	60.2 U
Naphthalene	57.9 U	60.2 U	57.2 U	58.4 U
4-Chloroaniline	160 U	170 U	160 U	160 U
Hexachlorobutadiene	70.6 U	73.5 U	69.8 U	71.3 U
Caprolactam	130 U	140 U	130 U	130 U
4-Chloro-3-methylphenol	68.8 U	71.6 U	68 U	69.4 U
2-Methylnaphthalene	71.5 U	74.4 U	70.7 U	72.1 U
Hexachlorocyclopentadiene	260 U	270 U	250 U	260 U
2,4,6-Trichlorophenol	70.3 U	73.1 U	69.5 U	70.9 U
2,4,5-Trichlorophenol	68.8 U	71.5 U	68 U	69.4 U
1,1-Biphenyl	120 U	130 U	120 U	120 U
2-Chloronaphthalene	87.7 U	91.2 U	86.7 U	88.4 U
2-Nitroaniline	80.9 U	84.1 U	79.9 U	81.6 U
Dimethylphthalate	**570**	**610**	**490**	**500**
Acenaphthylene	**180 J**	**100 J**	68.9 U	70.3 U
2,6-Dinitrotoluene	82.2 U	85.5 U	81.2 U	82.9 U
3-Nitroaniline	150 U	160 U	150 U	150 U
Acenaphthene	78.9 U	82 U	78 U	79.5 U
2,4-Dinitrophenol	100 U	110 U	100 U	100 U
4-Nitrophenol	75.1 U	78.1 U	74.2 U	75.7 U
Dibenzofuran	100 U	110 U	100 U	110 U
2,4-Dinitrotoluene	96.7 U	100 U	95.6 U	97.6 U
Diethylphthalate	73.5 U	76.5 U	72.7 U	74.2 U
4-Chlorophenyl-phenylether	97 U	100 U	95.9 U	97.9 U
Fluorene	59.2 U	61.6 U	58.6 U	59.8 U
4-Nitroaniline	100 U	110 U	100 U	100 U
4,6-Dinitro-2-methylphenol	81.2 U	84.4 U	80.2 U	81.9 U
n-Nitrosodiphenylamine	89.9 U	93.6 U	88.9 U	90.7 U
4-Bromophenyl-phenylether	65.6 U	68.2 U	64.8 U	66.2 U
Hexachlorobenzene	77.3 U	80.4 U	76.5 U	78 U
Atrazine	92.4 U	96 U	91.3 U	93.2 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01
Lab Sample ID	K2768-18	K2768-19	K2768-20	K2768-21
Sample weight (g)	30.1	30.1	30.13	30.05
Moisture (%)	14.3	17.6	13.4	14.9
Dilution Factor	1	1	1	1
Pentachlorophenol	120 U	130 U	120 U	130 U
Phenanthrene	**920**	**150 J**	65.6 U	**78.5 J**
Anthracene	**81.8 J**	67.4 U	64.1 U	65.4 U
Carbazole	100 U	110 U	100 U	110 U
Di-n-butylphthalate	110 U	120 U	110 U	120 U
Fluoranthene	**960**	**340 J**	56.9 U	**120 J**
Pyrene	**1600**	**580**	70 U	**210 J**
Butylbenzylphthalate	74.2 U	77.2 U	73.4 U	74.9 U
3,3-Dichlorobenzidine	170 U	180 U	170 U	170 U
Benzo(a)anthracene	**680**	**250 J**	43.2 U	**85.1 J**
Chrysene	**920**	**350 J**	48.9 U	**100 J**
Bis(2-ethylhexyl)phthalate	110 U	110 U	110 U	110 U
Di-n-octyl phthalate	82.9 U	86.2 U	82 U	83.6 U
Benzo(b)fluoranthene	**830**	**310 J**	55.9 U	**79.3 J**
Benzo(k)fluoranthene	**230 J**	**110 J**	64.8 U	66.1 U
Benzo(a)pyrene	**670**	**270 J**	51 U	**79.4 J**
Indeno(1,2,3-cd)pyrene	**450**	**180 J**	83.1 UJ	84.8 UJ
Dibenzo(a,h)anthracene	**120 J**	63.3 U	60.1 U	61.4 U
Benzo(g,h,i)perylene	**520**	**230 J**	70.2 U	71.7 U
1,2,4,5-Tetrachlorobenzene	91 U	94.6 U	89.9 U	91.7 U
1,4-Dioxane	140 U	140 U	130 U	140 U
2,3,4,6-Tetrachlorophenol	48.4 U	50.3 U	47.9 U	48.8 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

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Cover Page

Order ID : K2768

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2768-01	P026-SS013-0612-01
K2768-02	P026-SS013-1218-01
K2768-03	P026-SS013-1824-01
K2768-04	P026-SS014-0002-01
K2768-05	P026-SS014-0206-01
K2768-06	P026-SS014-0612-01
K2768-07	P026-SS014-1218-01
K2768-08	P026-SS014-1824-01
K2768-09	P026-SS015-0002-01
K2768-10	P026-SS015-0206-01
K2768-11	P026-SS015-0612-01
K2768-12	P026-SS015-1218-01
K2768-13	P026-SS015-1824-01
K2768-14	K2768-13MS
K2768-15	K2768-13MSD
K2768-16	P026-SS015-1824-02
K2768-17	P026-SS016-0002-01
K2768-18	P026-SS016-0206-01
K2768-19	P026-SS016-0612-01
K2768-20	P026-SS016-1218-01
K2768-21	P026-SS016-1824-01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED Date: 5/17/2019

By Mildred V Reyes, QAQC Supervisor at 12:59 pm, May 17, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2768
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS/MSD recoveries met the requirements for all compounds

The RPD for {K2768-15MSD} with File ID: BG040906.D met criteria except for 4-Chloroaniline[21%] .

The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine,2,4-Dinitrophenol, these compounds are passing on Linear regression.

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The %RSD is greater than 15% in theInitial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and ,2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are passing on Linear regression.

The Continuous Calibration File ID BF114221.D met the requirements except for Di-n-octyl phthalate. This compounds was not found on the associated sample.

The Continuous Calibration File ID BG040873.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol and 4,6-Dinitro-2-methylphenol. These compounds were not found on the associated sample to this Continuous Calibration.

The Continuous Calibration File ID BG040892.D met the requirements except for 2,4-Dinitrophenol,2,4-Dinitrotoluene,2-Nitrophenol and 4,6-Dinitro-2-methylphenol. These compounds were not found on the associated sample to this Continuous Calibration. The MS/MSD met the criteria. No further corrective action was taken

The Continuous Calibration File ID BM020292.D met the requirements except for Indeno(1,2,3-cd)pyrene. This continuous calibration is marginally high. No further corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

Concentration of SOIL Sample:

Concentration ug/Kg,
(dry weight basis) = $\frac{(Ax)\ (Is)\ (Vt)\ (DF)\ (GPC)}{(Ais)\ (\overline{RRF})\ (Vi)\ (Wt)\ (D)}$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor

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$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.
D = % dry weight or $\frac{100 - \%Moisture}{100}$

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:59 pm, May 17, 2019

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2768

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: MILDRED V REYES Date: 05/17/2019

2nd Level QA Review Signature: Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:58 pm, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020305.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	420	ug/Kg
108-95-2	Phenol	80	U	80	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	420	ug/Kg
95-48-7	2-Methylphenol	89.7	U	89.7	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	55.3	U	55.3	420	ug/Kg
78-59-1	Isophorone	46.8	U	46.8	420	ug/Kg
88-75-5	2-Nitrophenol	97.4	U	97.4	420	ug/Kg
105-67-9	2,4-Dimethylphenol	70.5	U	70.5	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	65.7	U	65.7	420	ug/Kg
120-83-2	2,4-Dichlorophenol	65.5	U	65.5	420	ug/Kg
91-20-3	Naphthalene	210	J	63.5	420	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	420	ug/Kg
87-68-3	Hexachlorobutadiene	77.6	U	77.6	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75.5	U	75.5	420	ug/Kg
91-57-6	2-Methylnaphthalene	130	J	78.5	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.2	U	77.2	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.5	U	75.5	420	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	96.2	U	96.2	420	ug/Kg
88-74-4	2-Nitroaniline	88.8	U	88.8	420	ug/Kg
131-11-3	Dimethylphthalate	400	J	64.5	420	ug/Kg
208-96-8	Acenaphthylene	700		76.6	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.2	U	90.2	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020305.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	420	ug/Kg
83-32-9	Acenaphthene	86.6	U	86.6	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	420	ug/Kg
100-02-7	4-Nitrophenol	82.4	U	82.4	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	420	ug/Kg
84-66-2	Diethylphthalate	80.7	U	80.7	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	100	J	65	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	89.1	U	89.1	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.8	U	98.8	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72	U	72	420	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	1600		72.9	420	ug/Kg
120-12-7	Anthracene	410	J	71.2	420	ug/Kg
86-74-8	Carbazole	110	U	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	420	ug/Kg
206-44-0	Fluoranthene	2300		63.2	420	ug/Kg
129-00-0	Pyrene	4000		77.8	420	ug/Kg
85-68-7	Butylbenzylphthalate	81.5	U	81.5	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	1500		48	420	ug/Kg
218-01-9	Chrysene	1900		54.3	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	91	U	91	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		62.1	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	540		71.9	420	ug/Kg
50-32-8	Benzo(a)pyrene	1300		56.6	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		92.3	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	J	66.8	420	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020305.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1300		78	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.9	U	99.9	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.1	U	53.1	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		28 - 127	77%	SPK: 150
13127-88-3	Phenol-d6	112		34 - 127	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.8		31 - 132	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.4		39 - 123	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.7		30 - 133	66%	SPK: 150
1718-51-0	Terphenyl-d14	39.4		37 - 115	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58882	7.76			
1146-65-2	Naphthalene-d8	206573	10.56			
15067-26-2	Acenaphthene-d10	125043	14.41			
1517-22-2	Phenanthrene-d10	285067	17.16			
1719-03-5	Chrysene-d12	325248	21.35			
1520-96-3	Perylene-d12	414340	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3900	J		7.29	ug/Kg
000605-02-7	Naphthalene, 1-phenyl-	170	J		17.67	ug/Kg
016587-52-3	Dibenzothiophene, 3-methyl-	160	J		17.74	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	780	J		18.03	ug/Kg
000610-48-0	Anthracene, 1-methyl-	650	J		18.08	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	960	J		18.22	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	460	J		18.26	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	490	J		18.54	ug/Kg
000084-65-1	9,10-Anthracenedione	700	J		18.59	ug/Kg
001576-69-8	Phenanthrene, 2,7-dimethyl-	200	J		18.78	ug/Kg
002789-88-0	di-p-Tolylacetylene	170	J		18.83	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	770	J		18.95	ug/Kg
085385-68-8	[14]Annulene, 1,6:8,13-bis(methano-	180	J		19.04	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	22.1
Sample Wt/Vol:	30.16 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020305.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
005737-13-3	Cyclopenta(def)phenanthrenone	670	J N		19.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	170	J N		19.91	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro- U 0.19 mg/kg	190	J		21.04	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	260	J N		21.56	ug/Kg
000192-97-2	Benzo[e]pyrene	2200	J N		23.44	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.9
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020304.D	1	05/11/19 10:29	05/12/19 18:30	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.1	U	75.1	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	400	ug/Kg
95-57-8	2-Chlorophenol	79	U	79	400	ug/Kg
95-48-7	2-Methylphenol	84.1	U	84.1	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	51.9	U	51.9	400	ug/Kg
78-59-1	Isophorone	43.9	U	43.9	400	ug/Kg
88-75-5	2-Nitrophenol	91.4	U	91.4	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.1	U	66.1	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.6	U	61.6	400	ug/Kg
120-83-2	2,4-Dichlorophenol	61.4	U	61.4	400	ug/Kg
91-20-3	Naphthalene	250	J	59.6	400	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	400	ug/Kg
87-68-3	Hexachlorobutadiene	72.8	U	72.8	400	ug/Kg
105-60-2	Caprolactam	130	U	130	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.9	U	70.9	400	ug/Kg
91-57-6	2-Methylnaphthalene	150	J	73.7	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.5	U	72.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.9	U	70.9	400	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	400	ug/Kg
91-58-7	2-Chloronaphthalene	90.3	U	90.3	400	ug/Kg
88-74-4	2-Nitroaniline	83.3	U	83.3	400	ug/Kg
131-11-3	Dimethylphthalate	470		60.5	400	ug/Kg
208-96-8	Acenaphthylene	690		71.8	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.7	U	84.7	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.9
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020304.D	1	05/11/19 10:29	05/12/19 18:30	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	400	ug/Kg
83-32-9	Acenaphthene	81.2	U	81.2	400	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	400	ug/Kg
100-02-7	4-Nitrophenol	77.4	U	77.4	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.7	U	99.7	400	ug/Kg
84-66-2	Diethylphthalate	75.7	U	75.7	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	89.5	J	61	400	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.6	U	83.6	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.7	U	92.7	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.6	U	67.6	400	ug/Kg
118-74-1	Hexachlorobenzene	79.7	U	79.7	400	ug/Kg
1912-24-9	Atrazine	95.1	U	95.1	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	1500		68.4	400	ug/Kg
120-12-7	Anthracene	370	J	66.8	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	2100		59.3	400	ug/Kg
129-00-0	Pyrene	3700		73	400	ug/Kg
85-68-7	Butylbenzylphthalate	76.5	U	76.5	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	1400		45	400	ug/Kg
218-01-9	Chrysene	1700		51	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	85.4	U	85.4	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		58.3	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	440		67.5	400	ug/Kg
50-32-8	Benzo(a)pyrene	1200		53.1	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920	J	86.6	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240	J	62.7	400	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.9
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020304.D	1	05/11/19 10:29	05/12/19 18:30	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1200		73.2	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.7	U	93.7	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.9	U	49.9	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	137		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	134		34 - 127	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.4		31 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.1		39 - 123	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		30 - 133	91%	SPK: 150
1718-51-0	Terphenyl-d14	61.1		37 - 115	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53603	7.76			
1146-65-2	Naphthalene-d8	181529	10.55			
15067-26-2	Acenaphthene-d10	109539	14.41			
1517-22-2	Phenanthrene-d10	274876	17.16			
1719-03-5	Chrysene-d12	323386	21.35			
1520-96-3	Perylene-d12	406346	23.64			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4400	J		7.29	ug/Kg
007372-88-5	Dibenzothiophene, 4-methyl-	160	J		17.74	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	720	J		18.03	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	590	J		18.08	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	900	J		18.22	ug/Kg
000610-48-0	Anthracene, 1-methyl-	430	J		18.26	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	470	J		18.53	ug/Kg
000084-65-1	9,10-Anthracenedione	600	J		18.59	ug/Kg
000781-43-1	9,10-Dimethylanthracene	740	J		18.95	ug/Kg
007469-40-1	Naphthalene, 1,2-dihydro-4-phenyl-	160	J		19.04	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	680	J		19.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J		19.91	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	160	J		20.05	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.9
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020304.D	1 .	05/11/19 10:29	05/12/19 18:30	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
~~1000272-59-9~~	~~Isothiazol-5-amine,4-bromo-3-chlo~~	180	J		21.04	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	240	J N		21.56	ug/Kg
002541-69-7	Benz[a]anthracene, 7-methyl-	160	J N		21.9	ug/Kg
000192-97-2	Benzo[e]pyrene	2100	J N		23.44	ug/Kg
	unknown24.53	510	J		24.53	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.2
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020303.D	1	05/11/19 10:29	05/12/19 17:55	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74.5	U	74.5	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78.3	U	78.3	390	ug/Kg
95-48-7	2-Methylphenol	83.4	U	83.4	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	100	U	100	390	ug/Kg
98-95-3	Nitrobenzene	51.5	U	51.5	390	ug/Kg
78-59-1	Isophorone	43.6	U	43.6	390	ug/Kg
88-75-5	2-Nitrophenol	90.7	U	90.7	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.6	U	65.6	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.1	U	61.1	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.9	U	60.9	390	ug/Kg
91-20-3	Naphthalene	140	J	59.1	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	72.2	U	72.2	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70.3	U	70.3	390	ug/Kg
91-57-6	2-Methylnaphthalene	81.1	J	73.1	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.9	U	71.9	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.3	U	70.3	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89.5	U	89.5	390	ug/Kg
88-74-4	2-Nitroaniline	82.6	U	82.6	390	ug/Kg
131-11-3	Dimethylphthalate	430		60	390	ug/Kg
208-96-8	Acenaphthylene	530		71.2	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	84	U	84	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.2
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020303.D	1	05/11/19 10:29	05/12/19 17:55	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80.6	U	80.6	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.7	U	76.7	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.8	U	98.8	390	ug/Kg
84-66-2	Diethylphthalate	75.1	U	75.1	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.1	U	99.1	390	ug/Kg
86-73-7	Fluorene	60.5	U	60.5	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.9	U	82.9	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.9	U	91.9	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67	U	67	390	ug/Kg
118-74-1	Hexachlorobenzene	79	U	79	390	ug/Kg
1912-24-9	Atrazine	94.4	U	94.4	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	1300		67.8	390	ug/Kg
120-12-7	Anthracene	300	J	66.2	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	1800		58.8	390	ug/Kg
129-00-0	Pyrene	3000		72.3	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.8	U	75.8	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	1100		44.7	390	ug/Kg
218-01-9	Chrysene	1300		50.5	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84.7	U	84.7	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		57.8	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	310	J	66.9	390	ug/Kg
50-32-8	Benzo(a)pyrene	930		52.7	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	680	J	85.9	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	J	62.2	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.2
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020303.D	1	05/11/19 10:29	05/12/19 17:55	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	920		72.6	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.5	U	49.5	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	138		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	134		34 - 127	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.2		31 - 132	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	75		39 - 123	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		30 - 133	92%	SPK: 150
1718-51-0	Terphenyl-d14	61.8		37 - 115	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59320	7.76			
1146-65-2	Naphthalene-d8	196541	10.56			
15067-26-2	Acenaphthene-d10	117875	14.41			
1517-22-2	Phenanthrene-d10	289528	17.16			
1719-03-5	Chrysene-d12	359653	21.35			
1520-96-3	Perylene-d12	440596	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4400	J		7.29	ug/Kg
000613-12-7	Anthracene, 2-methyl-	620	J N		18.03	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	530	J N		18.08	ug/Kg
000610-48-0	Anthracene, 1-methyl-	770	J N		18.22	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	370	J N		18.26	ug/Kg
035465-71-5	2-Phenylnaphthalene	420	J N		18.54	ug/Kg
000084-65-1	9,10-Anthracenedione	520	J N		18.59	ug/Kg
052251-71-5	Anthracene, 2-ethyl-	140	J N		18.78	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	640	J N		18.95	ug/Kg
	unknown19.01	270	J		19.01	ug/Kg
004165-81-5	~~Benzene, 1,1-(1,3-butadienylidene~~ UNKNOWN	150	J		19.04	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	590	J N		19.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J N		19.91	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	16.2
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020303.D	1	05/11/19 10:29	05/12/19 17:55	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000082-05-3	7H-Benz[de]anthracen-7-one	220	J N		21.56	ug/Kg
001705-84-6	Triphenylene, 2-methyl-	140	J N		21.9	ug/Kg
000192-97-2	Benzo[e]pyrene	1100	J N		23.44	ug/Kg
	unknown24.53	230	J		24.53	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	41.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114236.D	1	05/11/19 10:29	05/13/19 18:26	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	560	ug/Kg
108-95-2	Phenol	110	U	110	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	180	560	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	560	ug/Kg
95-48-7	2-Methylphenol	120	U	120	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	560	ug/Kg
98-86-2	Acetophenone	160	U	160	560	ug/Kg
65794-96-9	3+4-Methylphenols	170	U	170	560	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	230	560	ug/Kg
67-72-1	Hexachloroethane	140	U	140	560	ug/Kg
98-95-3	Nitrobenzene	73.4	U	73.4	560	ug/Kg
78-59-1	Isophorone	62.1	U	62.1	560	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	560	ug/Kg
105-67-9	2,4-Dimethylphenol	93.5	U	93.5	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.2	U	87.2	560	ug/Kg
120-83-2	2,4-Dichlorophenol	86.9	U	86.9	560	ug/Kg
91-20-3	Naphthalene	84.3	U	84.3	560	ug/Kg
106-47-8	4-Chloroaniline	230	U	230	560	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	560	ug/Kg
105-60-2	Caprolactam	190	U	190	560	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	560	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	380	560	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	560	ug/Kg
92-52-4	1,1-Biphenyl	180	U	180	560	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	560	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	560	ug/Kg
131-11-3	Dimethylphthalate	670		85.6	560	ug/Kg
208-96-8	Acenaphthylene	100	U	100	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	560	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	41.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114236.D	1	05/11/19 10:29	05/13/19 18:26	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	220	U	220	560	ug/Kg
83-32-9	Acenaphthene	110	U	110	560	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	560	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	560	ug/Kg
132-64-9	Dibenzofuran	150	U	150	560	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	560	ug/Kg
84-66-2	Diethylphthalate	110	U	110	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	560	ug/Kg
86-73-7	Fluorene	86.3	U	86.3	560	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	560	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95.6	U	95.6	560	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	560	ug/Kg
1912-24-9	Atrazine	130	U	130	560	ug/Kg
87-86-5	Pentachlorophenol	180	U	180	560	ug/Kg
85-01-8	Phenanthrene	96.7	U	96.7	560	ug/Kg
120-12-7	Anthracene	94.5	U	94.5	560	ug/Kg
86-74-8	Carbazole	150	U	150	560	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	170	560	ug/Kg
206-44-0	Fluoranthene	83.8	U	83.8	560	ug/Kg
129-00-0	Pyrene	100	U	100	560	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	250	U	250	560	ug/Kg
56-55-3	Benzo(a)anthracene	63.7	U	63.7	560	ug/Kg
218-01-9	Chrysene	72.1	U	72.1	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	560	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U J	120	560	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.4	U	82.4	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	95.5	U	95.5	560	ug/Kg
50-32-8	Benzo(a)pyrene	75.2	U	75.2	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.7	U	88.7	560	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	41.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114236.D	1	05/11/19 10:29	05/13/19 18:26	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	100	U	100	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	560	ug/Kg
123-91-1	1,4-Dioxane	200	U	200	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	70.5	U	70.5	560	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		28 - 127	72%	SPK: 150
13127-88-3	Phenol-d6	121		34 - 127	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.8		31 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.1		39 - 123	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 - 133	72%	SPK: 150
1718-51-0	Terphenyl-d14	60		37 - 115	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	272070	6.86			
1146-65-2	Naphthalene-d8	1022020	8.13			
15067-26-2	Acenaphthene-d10	472339	9.89			
1517-22-2	Phenanthrene-d10	864762	11.38			
1719-03-5	Chrysene-d12	566580	14.03			
1520-96-3	Perylene-d12	552359	15.52			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~ unknown	1300	J		2.13	ug/Kg
	unknown6.64	4700	J		6.64	ug/Kg
65-85-0	Benzoic acid	430	J		7.87	ug/Kg
000057-10-3	n-Hexadecanoic acid	790	J N		11.9	ug/Kg
000629-97-0	Docosane	560	J N		13.53	ug/Kg
~~1000374-08-7~~	~~Caparratriene~~ unknown	3700	J		13.78	ug/Kg
002136-70-1	Ethanol, 2-(tetradecyloxy)-	9100	J N		13.86	ug/Kg
000112-95-8	Eicosane	5700	J N		14.5	ug/Kg
000638-66-4	Octadecanal	650	J N		14.95	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	2400	J N		15.15	ug/Kg
~~015594-90-8~~	~~1-Heneicosanol~~ unknown	1400	J		15.18	ug/Kg
~~075207-54-4~~	~~2-Pentacosanone~~ unknown	740	J		15.23	ug/Kg
067860-04-2	Oxirane, heptadecyl-	1200	J N		15.73	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	41.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114236.D	1	05/11/19 10:29	05/13/19 18:26	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-01-3	Hexacosane	1500	J N		15.97	ug/Kg
959218-78-1	Pentafluoropropionic acid, heptade	750	J N		16.02	ug/Kg
000629-66-3	2-Nonadecanone unknown	660	J		16.09	ug/Kg
056554-89-3	14-Octadecenal unknown	910	J		16.77	ug/Kg
002922-51-2	2-Heptadecanone unknown	860	J		17.25	ug/Kg
	unknown17.31	810	J		17.31	ug/Kg
1000140-07-7	1,4-Dimethyl-8-isopropylidenetricy unknown	840	J		17.66	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020299.D	1	05/11/19 10:29	05/12/19 15:31	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	460	ug/Kg
108-95-2	Phenol	87.5	U	87.5	460	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	460	ug/Kg
95-57-8	2-Chlorophenol	92	U	92	460	ug/Kg
95-48-7	2-Methylphenol	98	U	98	460	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	460	ug/Kg
98-86-2	Acetophenone	130	U	130	460	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	460	ug/Kg
67-72-1	Hexachloroethane	120	U	120	460	ug/Kg
98-95-3	Nitrobenzene	60.5	U	60.5	460	ug/Kg
78-59-1	Isophorone	51.2	U	51.2	460	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	460	ug/Kg
105-67-9	2,4-Dimethylphenol	77	U	77	460	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.8	U	71.8	460	ug/Kg
120-83-2	2,4-Dichlorophenol	71.6	U	71.6	460	ug/Kg
91-20-3	Naphthalene	69.4	U	69.4	460	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	460	ug/Kg
87-68-3	Hexachlorobutadiene	84.8	U	84.8	460	ug/Kg
105-60-2	Caprolactam	160	U	160	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.6	U	82.6	460	ug/Kg
91-57-6	2-Methylnaphthalene	85.8	U	85.8	460	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.4	U	84.4	460	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.5	U	82.5	460	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	460	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	460	ug/Kg
88-74-4	2-Nitroaniline	97	U	97	460	ug/Kg
131-11-3	Dimethylphthalate	410	J	70.5	460	ug/Kg
208-96-8	Acenaphthylene	83.7	U	83.7	460	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.6	U	98.6	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020299.D	1	05/11/19 10:29	05/12/19 15:31	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	460	ug/Kg
83-32-9	Acenaphthene	94.6	U	94.6	460	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	460	ug/Kg
100-02-7	4-Nitrophenol	90.1	U	90.1	460	ug/Kg
132-64-9	Dibenzofuran	130	U	130	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	460	ug/Kg
84-66-2	Diethylphthalate	88.2	U	88.2	460	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	460	ug/Kg
86-73-7	Fluorene	71.1	U	71.1	460	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	460	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.4	U	97.4	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	460	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.7	U	78.7	460	ug/Kg
118-74-1	Hexachlorobenzene	92.8	U	92.8	460	ug/Kg
1912-24-9	Atrazine	110	U	110	460	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	460	ug/Kg
85-01-8	Phenanthrene	79.6	U	79.6	460	ug/Kg
120-12-7	Anthracene	77.8	U	77.8	460	ug/Kg
86-74-8	Carbazole	130	U	130	460	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	460	ug/Kg
206-44-0	Fluoranthene	69	U	69	460	ug/Kg
129-00-0	Pyrene	85	U	85	460	ug/Kg
85-68-7	Butylbenzylphthalate	89	U	89	460	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	460	ug/Kg
56-55-3	Benzo(a)anthracene	52.5	U	52.5	460	ug/Kg
218-01-9	Chrysene	59.4	U	59.4	460	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	460	ug/Kg
117-84-0	Di-n-octyl phthalate	99.5	U	99.5	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	67.9	U	67.9	460	ug/Kg
207-08-9	Benzo(k)fluoranthene	78.6	U	78.6	460	ug/Kg
50-32-8	Benzo(a)pyrene	61.9	U	61.9	460	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	460	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	73	U	73	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020299.D	1	05/11/19 10:29	05/12/19 15:31	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	85.3	U	85.3	460	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	460	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	460	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.1	U	58.1	460	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		28 - 127	89%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.5		31 - 132	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.4		39 - 123	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		30 - 133	89%	SPK: 150
1718-51-0	Terphenyl-d14	55		37 - 115	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54398	7.76			
1146-65-2	Naphthalene-d8	176850	10.56			
15067-26-2	Acenaphthene-d10	108282	14.41			
1517-22-2	Phenanthrene-d10	264813	17.16			
1719-03-5	Chrysene-d12	321630	21.34			
1520-96-3	Perylene-d12	403046	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	5100	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J N		18.04	ug/Kg
1000187-07-8	2-Bromomethyl-1-isopropenyl-3-metl unknown	110	J		18.32	ug/Kg
1000283-58-7	4,43-Trichlorodiphenylsulfide unknown	140	J		20.06	ug/Kg
1000280-07-7	Pentafluoropropionic acid, octadec	750	J N		21.04	ug/Kg
000629-94-7	Heneicosane	210	J N		21.92	ug/Kg
052132-58-8	Acetic acid, chloro-, hexadecy es unknown	800	J		21.94	ug/Kg
007098-22-8	Tetratetracontane unknown	110	J		22.39	ug/Kg
000638-66-4	Octadecanal unknown	100	J		22.63	ug/Kg
000638-68-6	Triacontane	300	J N		22.9	ug/Kg
070301-47-2	Chloroacetic acid, pentadecyl este	460	J N		22.96	ug/Kg
056554-87-1	16-Octadecenal	170	J N		23.81	ug/Kg
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	290	J N		24.14	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.7
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020299.D	1	05/11/19 10:29	05/12/19 15:31	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
041977-42-8	Cyclopropane, 1-(1,2-dimethylpropy	420	J N		24.24	ug/Kg

B 6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020293.D	1	05/11/19 10:29	05/12/19 11:56	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	430	ug/Kg
108-95-2	Phenol	81.3	U	81.3	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	430	ug/Kg
95-57-8	2-Chlorophenol	85.5	U	85.5	430	ug/Kg
95-48-7	2-Methylphenol	91.1	U	91.1	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	430	ug/Kg
98-86-2	Acetophenone	120	U	120	430	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	430	ug/Kg
98-95-3	Nitrobenzene	56.2	U	56.2	430	ug/Kg
78-59-1	Isophorone	47.6	U	47.6	430	ug/Kg
88-75-5	2-Nitrophenol	99	U	99	430	ug/Kg
105-67-9	2,4-Dimethylphenol	71.6	U	71.6	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.7	U	66.7	430	ug/Kg
120-83-2	2,4-Dichlorophenol	66.5	U	66.5	430	ug/Kg
91-20-3	Naphthalene	64.6	U	64.6	430	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	430	ug/Kg
87-68-3	Hexachlorobutadiene	78.8	U	78.8	430	ug/Kg
105-60-2	Caprolactam	150	U	150	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	76.8	U	76.8	430	ug/Kg
91-57-6	2-Methylnaphthalene	79.8	U	79.8	430	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.5	U	78.5	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.7	U	76.7	430	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	430	ug/Kg
91-58-7	2-Chloronaphthalene	97.8	U	97.8	430	ug/Kg
88-74-4	2-Nitroaniline	90.2	U	90.2	430	ug/Kg
131-11-3	Dimethylphthalate	400	J	65.5	430	ug/Kg
208-96-8	Acenaphthylene	77.8	U	77.8	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.7	U	91.7	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020293.D	1	05/11/19 10:29	05/12/19 11:56	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	430	ug/Kg
83-32-9	Acenaphthene	88	U	88	430	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	430	ug/Kg
100-02-7	4-Nitrophenol	83.8	U	83.8	430	ug/Kg
132-64-9	Dibenzofuran	120	U	120	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	430	ug/Kg
84-66-2	Diethylphthalate	82	U	82	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	430	ug/Kg
86-73-7	Fluorene	66.1	U	66.1	430	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.6	U	90.6	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73.2	U	73.2	430	ug/Kg
118-74-1	Hexachlorobenzene	86.3	U	86.3	430	ug/Kg
1912-24-9	Atrazine	100	U	100	430	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	430	ug/Kg
85-01-8	Phenanthrene	74	U	74	430	ug/Kg
120-12-7	Anthracene	72.3	U	72.3	430	ug/Kg
86-74-8	Carbazole	120	U	120	430	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	430	ug/Kg
206-44-0	Fluoranthene	64.2	U	64.2	430	ug/Kg
129-00-0	Pyrene	79	U	79	430	ug/Kg
85-68-7	Butylbenzylphthalate	82.8	U	82.8	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	430	ug/Kg
56-55-3	Benzo(a)anthracene	48.8	U	48.8	430	ug/Kg
218-01-9	Chrysene	55.2	U	55.2	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	430	ug/Kg
117-84-0	Di-n-octyl phthalate	92.5	U	92.5	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	63.1	U	63.1	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.1	U	73.1	430	ug/Kg
50-32-8	Benzo(a)pyrene	57.5	U	57.5	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.8	U	93.8	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.9	U	67.9	430	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020293.D	1	05/11/19 10:29	05/12/19 11:56	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	79.3	U	79.3	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	430	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54	U	54	430	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	136		28 - 127	91%	SPK: 150
13127-88-3	Phenol-d6	131		34 - 127	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.8		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 - 133	91%	SPK: 150
1718-51-0	Terphenyl-d14	62.7		37 - 115	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	7.76			
1146-65-2	Naphthalene-d8	182356	10.56			
15067-26-2	Acenaphthene-d10	109859	14.41			
1517-22-2	Phenanthrene-d10	267969	17.16			
1719-03-5	Chrysene-d12	300354	21.35			
1520-96-3	Perylene-d12	377762	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4800	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J N		18.04	ug/Kg
1000282-98-2	Dichloroacetic acid, heptadecyl es	170	J N		21.04	ug/Kg
	unknown21.94	140	J		21.94	ug/Kg
007683-64-9	Squalene unknown	140	J		22.51	ug/Kg
000629-92-5	Nonadecane	110	J N		22.9	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	23
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020293.D	1	05/11/19 10:29	05/12/19 11:56	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040901.D	1	05/11/19 10:29	05/12/19 09:45	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	76.8	U	76.8	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	80.7	U	80.7	400	ug/Kg
95-48-7	2-Methylphenol	86	U	86	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	53.1	U	53.1	400	ug/Kg
78-59-1	Isophorone	44.9	U	44.9	400	ug/Kg
88-75-5	2-Nitrophenol	93.5	U	93.5	400	ug/Kg
105-67-9	2,4-Dimethylphenol	67.6	U	67.6	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63	U	63	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62.8	U	62.8	400	ug/Kg
91-20-3	Naphthalene	61	U	61	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	74.4	U	74.4	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72.5	U	72.5	400	ug/Kg
91-57-6	2-Methylnaphthalene	75.4	U	75.4	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.1	U	74.1	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72.5	U	72.5	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	92.4	U	92.4	400	ug/Kg
88-74-4	2-Nitroaniline	85.2	U	85.2	400	ug/Kg
131-11-3	Dimethylphthalate	580		61.9	400	ug/Kg
208-96-8	Acenaphthylene	73.5	U	73.5	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.6	U	86.6	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040901.D	1	05/11/19 10:29	05/12/19 09:45	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	83.1	U	83.1	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	79.1	U	79.1	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	77.5	U	77.5	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	62.4	U	62.4	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.5	U	85.5	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.8	U	94.8	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.1	U	69.1	400	ug/Kg
118-74-1	Hexachlorobenzene	81.5	U	81.5	400	ug/Kg
1912-24-9	Atrazine	97.3	U	97.3	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	69.9	U	69.9	400	ug/Kg
120-12-7	Anthracene	68.3	U	68.3	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	60.6	U	60.6	400	ug/Kg
129-00-0	Pyrene	74.6	U	74.6	400	ug/Kg
85-68-7	Butylbenzylphthalate	78.2	U	78.2	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	46.1	U	46.1	400	ug/Kg
218-01-9	Chrysene	52.1	U	52.1	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	87.4	U	87.4	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.6	U	59.6	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	69	U	69	400	ug/Kg
50-32-8	Benzo(a)pyrene	54.3	U	54.3	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.6	U	88.6	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.1	U	64.1	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040901.D	1	05/11/19 10:29	05/12/19 09:45	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	74.9	U	74.9	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.8	U	95.8	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	51	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	144		28 - 127	97%	SPK: 150
13127-88-3	Phenol-d6	144		34 - 127	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.2		31 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		39 - 123	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		30 - 133	102%	SPK: 150
1718-51-0	Terphenyl-d14	78.3		37 - 115	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53847	8.13			
1146-65-2	Naphthalene-d8	227719	10.96			
15067-26-2	Acenaphthene-d10	169467	14.76			
1517-22-2	Phenanthrene-d10	416125	17.5			
1719-03-5	Chrysene-d12	417560	21.79			
1520-96-3	Perylene-d12	445398	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	740	J		3.22 R	ug/Kg
	unknown7.66	4800	JB		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	600	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	230	J N		19.62	ug/Kg
001599-67-3	1-Docosene	540	J N		21.39	ug/Kg
000112-95-8	Eicosane	110	J N		22.56	ug/Kg
004485-13-6	3-Heptene, 4-propyl- unknown	310	J		22.61	ug/Kg
000629-78-7	Heptadecane unknown	89.9	J		23.28	ug/Kg
000630-01-3	Hexacosane	160	J N		24.11	ug/Kg
000593-49-7	Heptacosane	170	J N		26.27	ug/Kg
006971-40-0	17-Pentatriacontene	150	J N		26.44	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	18.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040901.D	1	05/11/19 10:29	05/12/19 09:45	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040883.D	1	05/11/19 10:29	05/11/19 21:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.6	U	69.6	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	370	ug/Kg
95-57-8	2-Chlorophenol	73.2	U	73.2	370	ug/Kg
95-48-7	2-Methylphenol	78	U	78	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.3	U	98.3	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	93.6	U	93.6	370	ug/Kg
98-95-3	Nitrobenzene	48.1	U	48.1	370	ug/Kg
78-59-1	Isophorone	40.7	U	40.7	370	ug/Kg
88-75-5	2-Nitrophenol	84.7	U	84.7	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.3	U	61.3	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.1	U	57.1	370	ug/Kg
120-83-2	2,4-Dichlorophenol	56.9	U	56.9	370	ug/Kg
91-20-3	Naphthalene	55.3	U	55.3	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.5	U	67.5	370	ug/Kg
105-60-2	Caprolactam	120	U	120	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.7	U	65.7	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.3	U	68.3	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.1	U	67.1	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.7	U	65.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	83.7	U	83.7	370	ug/Kg
88-74-4	2-Nitroaniline	77.2	U	77.2	370	ug/Kg
131-11-3	Dimethylphthalate	390		56.1	370	ug/Kg
208-96-8	Acenaphthylene	66.6	U	66.6	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.5	U	78.5	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040883.D	1	05/11/19 10:29	05/11/19 21:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.3	U	75.3	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.3	U J	97.3	370	ug/Kg
100-02-7	4-Nitrophenol	71.7	U	71.7	370	ug/Kg
132-64-9	Dibenzofuran	99.8	U	99.8	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U J	92.4	370	ug/Kg
84-66-2	Diethylphthalate	70.2	U	70.2	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.6	U	92.6	370	ug/Kg
86-73-7	Fluorene	56.6	U	56.6	370	ug/Kg
100-01-6	4-Nitroaniline	97.2	U	97.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.5	U J	77.5	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.9	U	85.9	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	370	ug/Kg
118-74-1	Hexachlorobenzene	73.8	U	73.8	370	ug/Kg
1912-24-9	Atrazine	88.2	U	88.2	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	63.4	U	63.4	370	ug/Kg
120-12-7	Anthracene	61.9	U	61.9	370	ug/Kg
86-74-8	Carbazole	99.8	U	99.8	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	54.9	U	54.9	370	ug/Kg
129-00-0	Pyrene	67.6	U	67.6	370	ug/Kg
85-68-7	Butylbenzylphthalate	70.9	U	70.9	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	41.7	U	41.7	370	ug/Kg
218-01-9	Chrysene	47.2	U	47.2	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.2	U	79.2	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	54	U	54	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.5	U	62.5	370	ug/Kg
50-32-8	Benzo(a)pyrene	49.2	U	49.2	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.3	U	80.3	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.1	U	58.1	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040883.D	1	05/11/19 10:29	05/11/19 21:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	67.8	U	67.8	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.2	U	46.2	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		28 - 127	96%	SPK: 150
13127-88-3	Phenol-d6	138		34 - 127	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.9		31 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.2		39 - 123	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		30 - 133	107%	SPK: 150
1718-51-0	Terphenyl-d14	86.5		37 - 115	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57114	8.13			
1146-65-2	Naphthalene-d8	235708	10.96			
15067-26-2	Acenaphthene-d10	173552	14.76			
1517-22-2	Phenanthrene-d10	451916	17.51			
1719-03-5	Chrysene-d12	459585	21.79			
1520-96-3	Perylene-d12	486736	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	690	J		3.22	ug/Kg
	unknown7.66	4200	JB		7.66	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J		18.36	ug/Kg
000057-11-4	Octadecanoic acid	120	J		19.62	ug/Kg
074685-33-9	3-Eicosene, (E)-	390	J		21.39	ug/Kg
000544-76-3	Hexadecane	89.6	J		23.28	ug/Kg
000112-95-8	Eicosane	84	J		24.11	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.3
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040883.D	1	05/11/19 10:29	05/11/19 21:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114203.D	1	05/11/19 10:29	05/12/19 19:58	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	390	ug/Kg
108-95-2	Phenol	74.2	U	74.2	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	78	U	78	390	ug/Kg
95-48-7	2-Methylphenol	83.1	U	83.1	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	99.7	U	99.7	390	ug/Kg
98-95-3	Nitrobenzene	51.3	U	51.3	390	ug/Kg
78-59-1	Isophorone	43.4	U	43.4	390	ug/Kg
88-75-5	2-Nitrophenol	90.4	U	90.4	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65.3	U	65.3	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.9	U	60.9	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.7	U	60.7	390	ug/Kg
91-20-3	Naphthalene	110	J	58.9	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.9	U	71.9	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	70	U	70	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.8	U	72.8	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.6	U	71.6	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70	U	70	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	89.2	U	89.2	390	ug/Kg
88-74-4	2-Nitroaniline	82.3	U	82.3	390	ug/Kg
131-11-3	Dimethylphthalate	310	J	59.8	390	ug/Kg
208-96-8	Acenaphthylene	300	J	71	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.6	U	83.6	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114203.D	1	05/11/19 10:29	05/12/19 19:58	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	76.4	U	76.4	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.5	U	98.5	390	ug/Kg
84-66-2	Diethylphthalate	74.8	U	74.8	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.8	U	98.8	390	ug/Kg
86-73-7	Fluorene	60.3	U	60.3	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.6	U	82.6	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.6	U	91.6	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.8	U	66.8	390	ug/Kg
118-74-1	Hexachlorobenzene	78.7	U	78.7	390	ug/Kg
1912-24-9	Atrazine	94	U	94	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	870		67.5	390	ug/Kg
120-12-7	Anthracene	160	J	66	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	1200		58.6	390	ug/Kg
129-00-0	Pyrene	2100		72.1	390	ug/Kg
85-68-7	Butylbenzylphthalate	75.5	U	75.5	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	390	ug/Kg
56-55-3	Benzo(a)anthracene	970		44.5	390	ug/Kg
218-01-9	Chrysene	1400		50.4	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	84.4	U	84.4	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		57.6	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	400		66.7	390	ug/Kg
50-32-8	Benzo(a)pyrene	990		52.5	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	760		85.6	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	J	61.9	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114203.D	1	05/11/19 10:29	05/12/19 19:58	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	870		72.3	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.6	U	92.6	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.3	U	49.3	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.5		28 - 127	55%	SPK: 150
13127-88-3	Phenol-d6	91.9		34 - 127	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.6		31 - 132	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	57		39 - 123	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.7		30 - 133	56%	SPK: 150
1718-51-0	Terphenyl-d14	51.4		37 - 115	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	283533	6.85			
1146-65-2	Naphthalene-d8	1066130	8.13			
15067-26-2	Acenaphthene-d10	478895	9.89			
1517-22-2	Phenanthrene-d10	864916	11.37			
1719-03-5	Chrysene-d12	548629	14.02			
1520-96-3	Perylene-d12	630229	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	600	J		2.12	ug/Kg
	unknown6.63	2500	J		6.63	ug/Kg
65-85-0	Benzoic acid	290	J		7.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	280	J		11.87	ug/Kg
000613-12-7	Anthracene, 2-methyl-	450	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	430	J		11.98	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	190	J		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	260	J		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	280	J		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	360	J		12.42	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	280	J		12.51	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	200	J		13.86	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	240	J		14.16	ug/Kg

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5

C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114203.D	1	05/11/19 10:29	05/12/19 19:58	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000612-78-2	2,2-Binaphthalene	210	J N		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	230	J N		15.17	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1100	J N		15.37	ug/Kg
000629-92-5	Nonadecane	270	J N		15.93	ug/Kg
007390-81-0	Oxirane, hexadecyl-	200	J N		16.72	ug/Kg
~~038119-11-8~~	~~1-Naphthalenecarboxylic acid, 2-be~~ unknown	230	J		17.54	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.1
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020302.D	1	05/11/19 10:29	05/12/19 17:19	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	360	ug/Kg
108-95-2	Phenol	68.7	U	68.7	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	360	ug/Kg
95-57-8	2-Chlorophenol	72.2	U	72.2	360	ug/Kg
95-48-7	2-Methylphenol	76.9	U	76.9	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97	U	97	360	ug/Kg
98-86-2	Acetophenone	100	U	100	360	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	360	ug/Kg
67-72-1	Hexachloroethane	92.3	U	92.3	360	ug/Kg
98-95-3	Nitrobenzene	47.5	U	47.5	360	ug/Kg
78-59-1	Isophorone	40.1	U	40.1	360	ug/Kg
88-75-5	2-Nitrophenol	83.6	U	83.6	360	ug/Kg
105-67-9	2,4-Dimethylphenol	60.5	U	60.5	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.3	U	56.3	360	ug/Kg
120-83-2	2,4-Dichlorophenol	56.2	U	56.2	360	ug/Kg
91-20-3	Naphthalene	54.5	U	54.5	360	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	360	ug/Kg
87-68-3	Hexachlorobutadiene	66.5	U	66.5	360	ug/Kg
105-60-2	Caprolactam	120	U	120	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.8	U	64.8	360	ug/Kg
91-57-6	2-Methylnaphthalene	67.4	U	67.4	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	66.2	U	66.2	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.8	U	64.8	360	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	360	ug/Kg
91-58-7	2-Chloronaphthalene	82.6	U	82.6	360	ug/Kg
88-74-4	2-Nitroaniline	76.2	U	76.2	360	ug/Kg
131-11-3	Dimethylphthalate	320	J	55.3	360	ug/Kg
208-96-8	Acenaphthylene	65.7	U	65.7	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	77.4	U	77.4	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.1
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020302.D	1	05/11/19 10:29	05/12/19 17:19	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	360	ug/Kg
83-32-9	Acenaphthene	74.3	U	74.3	360	ug/Kg
51-28-5	2,4-Dinitrophenol	96	U	96	360	ug/Kg
100-02-7	4-Nitrophenol	70.7	U	70.7	360	ug/Kg
132-64-9	Dibenzofuran	98.4	U	98.4	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.1	U	91.1	360	ug/Kg
84-66-2	Diethylphthalate	69.2	U	69.2	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.4	U	91.4	360	ug/Kg
86-73-7	Fluorene	55.8	U	55.8	360	ug/Kg
100-01-6	4-Nitroaniline	95.9	U	95.9	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.5	U	76.5	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.7	U	84.7	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.8	U	61.8	360	ug/Kg
118-74-1	Hexachlorobenzene	72.8	U	72.8	360	ug/Kg
1912-24-9	Atrazine	87	U	87	360	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	360	ug/Kg
85-01-8	Phenanthrene	110	J	62.5	360	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	360	ug/Kg
86-74-8	Carbazole	98.4	U	98.4	360	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	360	ug/Kg
206-44-0	Fluoranthene	210	J	54.2	360	ug/Kg
129-00-0	Pyrene	380		66.7	360	ug/Kg
85-68-7	Butylbenzylphthalate	69.9	U	69.9	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	360	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	41.2	360	ug/Kg
218-01-9	Chrysene	190	J	46.6	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	360	ug/Kg
117-84-0	Di-n-octyl phthalate	78.1	U	78.1	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	J	53.3	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.7	U	61.7	360	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	48.6	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	J	79.2	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.3	U	57.3	360	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.1
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020302.D	1	05/11/19 10:29	05/12/19 17:19	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	140	J	66.9	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	85.7	U	85.7	360	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45.6	U	45.6	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	121		28 - 127	81%	SPK: 150
13127-88-3	Phenol-d6	116		34 - 127	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.5		31 - 132	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.7		39 - 123	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		30 - 133	81%	SPK: 150
1718-51-0	Terphenyl-d14	59		37 - 115	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55900	7.76			
1146-65-2	Naphthalene-d8	188356	10.56			
15067-26-2	Acenaphthene-d10	116352	14.41			
1517-22-2	Phenanthrene-d10	287412	17.16			
1719-03-5	Chrysene-d12	333420	21.34			
1520-96-3	Perylene-d12	399769	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3600	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid unknown	130	J		18.04	ug/Kg
000781-43-1	9,10-Dimethylanthracene	74.5	J N		18.95	ug/Kg
1000130-87-5	Z-8-Hexadecene	190	J N		21.04	ug/Kg
~~007683-64-9~~	~~Squalene~~ unknown	74.5	J		22.52	ug/Kg
000192-97-2	Benzo[e]pyrene	150	J N		23.43	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-10	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.1
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020302.D	1	05/11/19 10:29	05/12/19 17:19	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040902.D	1	05/11/19 10:29	05/12/19 10:23	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.9	U	69.9	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	73.5	U	73.5	370	ug/Kg
95-48-7	2-Methylphenol	78.3	U	78.3	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.7	U	98.7	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	93.9	U	93.9	370	ug/Kg
98-95-3	Nitrobenzene	48.3	U	48.3	370	ug/Kg
78-59-1	Isophorone	40.9	U	40.9	370	ug/Kg
88-75-5	2-Nitrophenol	85.1	U J	85.1	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.5	U	61.5	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.3	U	57.3	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.2	U	57.2	370	ug/Kg
91-20-3	Naphthalene	55.5	U	55.5	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.7	U	67.7	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66	U	66	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.6	U	68.6	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.4	U	67.4	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.9	U	65.9	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	84	U	84	370	ug/Kg
88-74-4	2-Nitroaniline	77.5	U	77.5	370	ug/Kg
131-11-3	Dimethylphthalate	450		56.3	370	ug/Kg
208-96-8	Acenaphthylene	66.8	U	66.8	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.8	U	78.8	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040902.D	1	05/11/19 10:29	05/12/19 10:23	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.6	U	75.6	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.7	U J	97.7	370	ug/Kg
100-02-7	4-Nitrophenol	72	U	72	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.7	U J	92.7	370	ug/Kg
84-66-2	Diethylphthalate	70.5	U	70.5	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93	U	93	370	ug/Kg
86-73-7	Fluorene	56.8	U	56.8	370	ug/Kg
100-01-6	4-Nitroaniline	97.6	U	97.6	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.8	U J	77.8	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.2	U	86.2	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.9	U	62.9	370	ug/Kg
118-74-1	Hexachlorobenzene	74.1	U	74.1	370	ug/Kg
1912-24-9	Atrazine	88.5	U	88.5	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	63.6	U	63.6	370	ug/Kg
120-12-7	Anthracene	62.1	U	62.1	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	55.1	U	55.1	370	ug/Kg
129-00-0	Pyrene	67.9	U	67.9	370	ug/Kg
85-68-7	Butylbenzylphthalate	71.1	U	71.1	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	41.9	U	41.9	370	ug/Kg
218-01-9	Chrysene	47.4	U	47.4	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.5	U	79.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.2	U	54.2	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.8	U	62.8	370	ug/Kg
50-32-8	Benzo(a)pyrene	49.4	U	49.4	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.6	U	80.6	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.3	U	58.3	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040902.D	1	05/11/19 10:29	05/12/19 10:23	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	68.1	U	68.1	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.2	U	87.2	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.4	U	46.4	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		28 - 127	90%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.7		31 - 132	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	74		39 - 123	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 - 133	98%	SPK: 150
1718-51-0	Terphenyl-d14	75.5		37 - 115	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	52074	8.13			
1146-65-2	Naphthalene-d8	214799	10.95			
15067-26-2	Acenaphthene-d10	159401	14.76			
1517-22-2	Phenanthrene-d10	408494	17.51			
1719-03-5	Chrysene-d12	412616	21.79			
1520-96-3	Perylene-d12	439579	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane,-2-methoxy-2-methyl-	640	J		3.22 R	ug/Kg
	unknown7.66	4000	JB		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	250	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	100	J N		19.62	ug/Kg
003452-07-1	1-Eicosene	130	J N		21.39	ug/Kg
000629-94-7	Heneicosane- unknown	76.2	J		24.11	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-11	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040902.D	1	05/11/19 10:29	05/12/19 10:23	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040903.D	1	05/11/19 10:29	05/12/19 11:00	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.6	U	69.6	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	370	ug/Kg
95-57-8	2-Chlorophenol	73.2	U	73.2	370	ug/Kg
95-48-7	2-Methylphenol	78	U	78	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.3	U	98.3	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	93.6	U	93.6	370	ug/Kg
98-95-3	Nitrobenzene	48.1	U	48.1	370	ug/Kg
78-59-1	Isophorone	40.7	U	40.7	370	ug/Kg
88-75-5	2-Nitrophenol	84.8	U J	84.8	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.3	U	61.3	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.1	U	57.1	370	ug/Kg
120-83-2	2,4-Dichlorophenol	56.9	U	56.9	370	ug/Kg
91-20-3	Naphthalene	55.3	U	55.3	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.5	U	67.5	370	ug/Kg
105-60-2	Caprolactam	120	U	120	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.7	U	65.7	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.3	U	68.3	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.2	U	67.2	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.7	U	65.7	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	83.7	U	83.7	370	ug/Kg
88-74-4	2-Nitroaniline	77.2	U	77.2	370	ug/Kg
131-11-3	Dimethylphthalate	470		56.1	370	ug/Kg
208-96-8	Acenaphthylene	66.6	U	66.6	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.5	U	78.5	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040903.D	1	05/11/19 10:29	05/12/19 11:00	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.3	U	75.3	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.3	U J	97.3	370	ug/Kg
100-02-7	4-Nitrophenol	71.7	U	71.7	370	ug/Kg
132-64-9	Dibenzofuran	99.8	U	99.8	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U J	92.4	370	ug/Kg
84-66-2	Diethylphthalate	70.2	U	70.2	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.6	U	92.6	370	ug/Kg
86-73-7	Fluorene	56.6	U	56.6	370	ug/Kg
100-01-6	4-Nitroaniline	97.2	U	97.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.5	U J	77.5	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.9	U	85.9	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	370	ug/Kg
118-74-1	Hexachlorobenzene	73.9	U	73.9	370	ug/Kg
1912-24-9	Atrazine	88.2	U	88.2	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	63.4	U	63.4	370	ug/Kg
120-12-7	Anthracene	61.9	U	61.9	370	ug/Kg
86-74-8	Carbazole	99.8	U	99.8	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	94.4	J	54.9	370	ug/Kg
129-00-0	Pyrene	200	J	67.6	370	ug/Kg
85-68-7	Butylbenzylphthalate	70.9	U	70.9	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	370	ug/Kg
56-55-3	Benzo(a)anthracene	41.8	U	41.8	370	ug/Kg
218-01-9	Chrysene	89.8	J	47.2	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.2	U	79.2	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.4	J	54	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.5	U	62.5	370	ug/Kg
50-32-8	Benzo(a)pyrene	49.2	U	49.2	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.3	U	80.3	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.1	U	58.1	370	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040903.D	1	05/11/19 10:29	05/12/19 11:00	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	67.9	U	67.9	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.9	U	86.9	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.2	U	46.2	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	150		28 - 127	101%	SPK: 150
13127-88-3	Phenol-d6	148		34 - 127	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		31 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		39 - 123	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		30 - 133	106%	SPK: 150
1718-51-0	Terphenyl-d14	83.2		37 - 115	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50353	8.13			
1146-65-2	Naphthalene-d8	219597	10.96			
15067-26-2	Acenaphthene-d10	160149	14.76			
1517-22-2	Phenanthrene-d10	413701	17.51			
1719-03-5	Chrysene-d12	417731	21.79			
1520-96-3	Perylene-d12	449854	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
~~000994-05-8~~	~~Butane, 2-methoxy-2-methyl-~~	~~660~~	~~J~~		~~3.22~~ R	ug/Kg
	~~unknown7.66~~	~~4200~~	~~JB~~		~~7.66~~ R	ug/Kg
000057-10-3	n-Hexadecanoic acid	530	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	270	J N		19.62	ug/Kg
000295-65-8	Cyclohexadecane	280	J N		21.38	ug/Kg
	unknown22.61	84.8	J		22.61	ug/Kg
000629-94-7	Heneicosane	120	J N		23.28	ug/Kg
~~066408-55-7~~	~~4,8,12-Tetradecatrienal, 5,9,13-tr~~ unknown	90.3	J		23.48	ug/Kg
000629-92-5	Nonadecane	140	J N		24.12	ug/Kg
000112-95-8	Eicosane	89.2	J N		26.28	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-12	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.4
Sample Wt/Vol:	30.15 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040903.D	1	05/11/19 10:29	05/12/19 11:00	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040904.D	1	05/11/19 10:29	05/12/19 11:38	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	71.5	U	71.5	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.2	U	75.2	380	ug/Kg
95-48-7	2-Methylphenol	80.1	U	80.1	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.1	U	96.1	380	ug/Kg
98-95-3	Nitrobenzene	49.4	U	49.4	380	ug/Kg
78-59-1	Isophorone	41.8	U	41.8	380	ug/Kg
88-75-5	2-Nitrophenol	87.1	U	87.1	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63	U	63	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.7	U	58.7	380	ug/Kg
120-83-2	2,4-Dichlorophenol	58.5	U	58.5	380	ug/Kg
91-20-3	Naphthalene	56.8	U	56.8	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.3	U	69.3	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.5	U	67.5	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.2	U	70.2	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69	U	69	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.5	U	67.5	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	86	U	86	380	ug/Kg
88-74-4	2-Nitroaniline	79.3	U	79.3	380	ug/Kg
131-11-3	Dimethylphthalate	370	J	57.6	380	ug/Kg
208-96-8	Acenaphthylene	68.4	U	68.4	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	80.6	U	80.6	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040904.D	1	05/11/19 10:29	05/12/19 11:38	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	77.4	U	77.4	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	73.7	U	73.7	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.9	U	94.9	380	ug/Kg
84-66-2	Diethylphthalate	72.1	U	72.1	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.2	U	95.2	380	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	380	ug/Kg
100-01-6	4-Nitroaniline	99.9	U	99.9	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.3	U	88.3	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.4	U	64.4	380	ug/Kg
118-74-1	Hexachlorobenzene	75.9	U	75.9	380	ug/Kg
1912-24-9	Atrazine	90.6	U	90.6	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.1	U	65.1	380	ug/Kg
120-12-7	Anthracene	63.6	U	63.6	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.4	U	56.4	380	ug/Kg
129-00-0	Pyrene	69.5	U	69.5	380	ug/Kg
85-68-7	Butylbenzylphthalate	72.8	U	72.8	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	42.9	U	42.9	380	ug/Kg
218-01-9	Chrysene	48.5	U	48.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	81.3	U	81.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.5	U	55.5	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.3	U	64.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	50.6	U	50.6	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.5	U	82.5	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.7	U	59.7	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040904.D	1	05/11/19 10:29	05/12/19 11:38	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	69.7	U	69.7	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.2	U	89.2	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.5	U	47.5	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		28 - 127	78%	SPK: 150
13127-88-3	Phenol-d6	114		34 - 127	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		31 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		39 - 123	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	65.3		37 - 115	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50157	8.14			
1146-65-2	Naphthalene-d8	214227	10.96			
15067-26-2	Acenaphthene-d10	158912	14.76			
1517-22-2	Phenanthrene-d10	405823	17.51			
1719-03-5	Chrysene-d12	411402	21.78			
1520-96-3	Perylene-d12	437682	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	620	J		3.22	ug/Kg
	unknown7.66	3500	JB		7.66	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J N		18.36	ug/Kg
1000141-67-3	3-Heptadecene, (Z)-	99.7	J N		21.38	ug/Kg
007683-64-9	Supraene unknown	91.7	J		23.48	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2768
Lab Sample ID:	K2768-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040907.D	1	05/11/19 10:29	05/12/19 13:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	370	ug/Kg
108-95-2	Phenol	69.9	U	69.9	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	370	ug/Kg
95-57-8	2-Chlorophenol	73.5	U	73.5	370	ug/Kg
95-48-7	2-Methylphenol	78.3	U	78.3	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.8	U	98.8	370	ug/Kg
98-86-2	Acetophenone	100	U	100	370	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	370	ug/Kg
67-72-1	Hexachloroethane	94	U	94	370	ug/Kg
98-95-3	Nitrobenzene	48.3	U	48.3	370	ug/Kg
78-59-1	Isophorone	40.9	U	40.9	370	ug/Kg
88-75-5	2-Nitrophenol	85.2	U	85.2	370	ug/Kg
105-67-9	2,4-Dimethylphenol	61.6	U	61.6	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.4	U	57.4	370	ug/Kg
120-83-2	2,4-Dichlorophenol	57.2	U	57.2	370	ug/Kg
91-20-3	Naphthalene	55.5	U	55.5	370	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	370	ug/Kg
87-68-3	Hexachlorobutadiene	67.8	U	67.8	370	ug/Kg
105-60-2	Caprolactam	130	U	130	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66	U	66	370	ug/Kg
91-57-6	2-Methylnaphthalene	68.6	U	68.6	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67.5	U	67.5	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	66	U	66	370	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	370	ug/Kg
91-58-7	2-Chloronaphthalene	84.1	U	84.1	370	ug/Kg
88-74-4	2-Nitroaniline	77.6	U	77.6	370	ug/Kg
131-11-3	Dimethylphthalate	380		56.4	370	ug/Kg
208-96-8	Acenaphthylene	66.9	U	66.9	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.8	U	78.8	370	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2768
Lab Sample ID:	K2768-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040907.D	1	05/11/19 10:29	05/12/19 13:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	140	U	140	370	ug/Kg
83-32-9	Acenaphthene	75.7	U	75.7	370	ug/Kg
51-28-5	2,4-Dinitrophenol	97.8	UJ	97.8	370	ug/Kg
100-02-7	4-Nitrophenol	72	U	72	370	ug/Kg
132-64-9	Dibenzofuran	100	U	100	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.8	UJ	92.8	370	ug/Kg
84-66-2	Diethylphthalate	70.5	U	70.5	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.1	U	93.1	370	ug/Kg
86-73-7	Fluorene	56.8	U	56.8	370	ug/Kg
100-01-6	4-Nitroaniline	97.7	U	97.7	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.9	UJ	77.9	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.3	U	86.3	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.9	U	62.9	370	ug/Kg
118-74-1	Hexachlorobenzene	74.2	U	74.2	370	ug/Kg
1912-24-9	Atrazine	88.6	U	88.6	370	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	370	ug/Kg
85-01-8	Phenanthrene	63.7	U	63.7	370	ug/Kg
120-12-7	Anthracene	62.2	U	62.2	370	ug/Kg
86-74-8	Carbazole	100	U	100	370	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	370	ug/Kg
206-44-0	Fluoranthene	55.2	U	55.2	370	ug/Kg
129-00-0	Pyrene	67.9	U	67.9	370	ug/Kg
85-68-7	Butylbenzylphthalate	71.2	U	71.2	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	370	ug/Kg
56-55-3	Benzo(a)anthracene	42	U	42	370	ug/Kg
218-01-9	Chrysene	47.5	U	47.5	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	370	ug/Kg
117-84-0	Di-n-octyl phthalate	79.5	U	79.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.3	U	54.3	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.8	U	62.8	370	ug/Kg
50-32-8	Benzo(a)pyrene	49.5	U	49.5	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.7	U	80.7	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.4	U	58.4	370	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2768
Lab Sample ID:	K2768-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040907.D	1	05/11/19 10:29	05/12/19 13:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	68.2	U	68.2	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.3	U	87.3	370	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.4	U	46.4	370	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	137		28 - 127	91%	SPK: 150
13127-88-3	Phenol-d6	135		34 - 127	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91		31 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.4		39 - 123	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 - 133	95%	SPK: 150
1718-51-0	Terphenyl-d14	74.1		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49724	8.13			
1146-65-2	Naphthalene-d8	206202	10.96			
15067-26-2	Acenaphthene-d10	159791	14.76			
1517-22-2	Phenanthrene-d10	407037	17.51			
1719-03-5	Chrysene-d12	410678	21.79			
1520-96-3	Perylene-d12	437445	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane,.2-methoxy-2-methyl-	740	J		3.22 R	ug/Kg
	unknown7.66	4000	JB		7.66 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J N		18.36	ug/Kg
000057-11-4	Octadecanoic acid	75.5	J N		19.62	ug/Kg
074685-30-6	5-Eicosene, (E)-	250	J N		21.39	ug/Kg
007683-64-9	Supraene unknown	91.5	J		23.48	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2768
Lab Sample ID:	K2768-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040907.D	1	05/11/19 10:29	05/12/19 13:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.9
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114202.D	1	05/11/19 10:29	05/12/19 19:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	410	ug/Kg
108-95-2	Phenol	77.9	U	77.9	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	410	ug/Kg
95-57-8	2-Chlorophenol	81.9	U	81.9	410	ug/Kg
95-48-7	2-Methylphenol	87.3	U	87.3	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	410	ug/Kg
98-86-2	Acetophenone	120	U	120	410	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	410	ug/Kg
98-95-3	Nitrobenzene	53.9	U	53.9	410	ug/Kg
78-59-1	Isophorone	45.6	U	45.6	410	ug/Kg
88-75-5	2-Nitrophenol	94.9	U	94.9	410	ug/Kg
105-67-9	2,4-Dimethylphenol	68.6	U	68.6	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	64	U	64	410	ug/Kg
120-83-2	2,4-Dichlorophenol	63.8	U	63.8	410	ug/Kg
91-20-3	Naphthalene	61.9	U	61.9	410	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	410	ug/Kg
87-68-3	Hexachlorobutadiene	75.5	U	75.5	410	ug/Kg
105-60-2	Caprolactam	140	U	140	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	73.6	U	73.6	410	ug/Kg
91-57-6	2-Methylnaphthalene	76.5	U	76.5	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.2	U	75.2	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.5	U	73.5	410	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	410	ug/Kg
91-58-7	2-Chloronaphthalene	93.7	U	93.7	410	ug/Kg
88-74-4	2-Nitroaniline	86.4	U	86.4	410	ug/Kg
131-11-3	Dimethylphthalate	540		62.8	410	ug/Kg
208-96-8	Acenaphthylene	230	J	74.5	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.9	U	87.9	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.9
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114202.D	1	05/11/19 10:29	05/12/19 19:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	410	ug/Kg
83-32-9	Acenaphthene	84.3	U	84.3	410	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	410	ug/Kg
100-02-7	4-Nitrophenol	80.3	U	80.3	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	410	ug/Kg
84-66-2	Diethylphthalate	78.6	U	78.6	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	410	ug/Kg
86-73-7	Fluorene	63.3	U	63.3	410	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.8	U	86.8	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.2	U	96.2	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.1	U	70.1	410	ug/Kg
118-74-1	Hexachlorobenzene	82.7	U	82.7	410	ug/Kg
1912-24-9	Atrazine	98.7	U	98.7	410	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	410	ug/Kg
85-01-8	Phenanthrene	550		70.9	410	ug/Kg
120-12-7	Anthracene	100	J	69.3	410	ug/Kg
86-74-8	Carbazole	110	U	110	410	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	410	ug/Kg
206-44-0	Fluoranthene	970		61.5	410	ug/Kg
129-00-0	Pyrene	1700		75.7	410	ug/Kg
85-68-7	Butylbenzylphthalate	79.3	U	79.3	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	410	ug/Kg
56-55-3	Benzo(a)anthracene	850		46.8	410	ug/Kg
218-01-9	Chrysene	1100		52.9	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	410	ug/Kg
117-84-0	Di-n-octyl phthalate	88.6	U	88.6	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		60.5	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	400	J	70	410	ug/Kg
50-32-8	Benzo(a)pyrene	900		55.1	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	600		89.9	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	J	65	410	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.9
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114202.D	1	05/11/19 10:29	05/12/19 19:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	700		76	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.2	U	97.2	410	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.8	U	51.8	410	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		28 - 127	68%	SPK: 150
13127-88-3	Phenol-d6	114		34 - 127	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.6		31 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.1		39 - 123	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		30 - 133	69%	SPK: 150
1718-51-0	Terphenyl-d14	57.7		37 - 115	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	254038	6.85			
1146-65-2	Naphthalene-d8	942415	8.13			
15067-26-2	Acenaphthene-d10	430968	9.89			
1517-22-2	Phenanthrene-d10	799836	11.37			
1719-03-5	Chrysene-d12	517160	14.02			
1520-96-3	Perylene-d12	592470	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- unknown	1100	J		2.13	ug/Kg
	unknown6.63	3400	J		6.63	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	200	J N		11.87	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	490	J N		11.9	ug/Kg
000610-48-0	Anthracene, 1-methyl-	400	J N		11.98	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	210	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	210	J N		12.19	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	340	J N		12.42	ug/Kg
003674-65-5	Phenanthrene, 2,3-dimethyl- unknown	200	J		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	240	J N		12.51	ug/Kg
077899-03-7	1-Heneicosyl formate	320	J N		13.85	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	190	J N		14.16	ug/Kg
017573-23-8	Benzo(a)pyrene, 7,8-dihydro- unknown	300	J		14.48	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-17	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	19.9
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114202.D	1	05/11/19 10:29	05/12/19 19:32	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000192-97-2	Benzo[e]pyrene	820	J N		15.36	ug/Kg
000638-66-4	Octadecanal	210	J N		15.7	ug/Kg
000630-02-4	Octacosane	200	J N		15.93	ug/Kg
018835-33-1	1-Hexacosene	260	J N		15.99	ug/Kg

ED 6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114201.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.9	U	72.9	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	76.6	U	76.6	380	ug/Kg
95-48-7	2-Methylphenol	81.7	U	81.7	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	98	U	98	380	ug/Kg
98-95-3	Nitrobenzene	50.4	U	50.4	380	ug/Kg
78-59-1	Isophorone	42.6	U	42.6	380	ug/Kg
88-75-5	2-Nitrophenol	88.8	U	88.8	380	ug/Kg
105-67-9	2,4-Dimethylphenol	64.2	U	64.2	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.8	U	59.8	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59.6	U	59.6	380	ug/Kg
91-20-3	Naphthalene	57.9	U	57.9	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	70.6	U	70.6	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68.8	U	68.8	380	ug/Kg
91-57-6	2-Methylnaphthalene	71.5	U	71.5	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.3	U	70.3	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.8	U	68.8	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	87.7	U	87.7	380	ug/Kg
88-74-4	2-Nitroaniline	80.9	U	80.9	380	ug/Kg
131-11-3	Dimethylphthalate	570		58.7	380	ug/Kg
208-96-8	Acenaphthylene	180	J	69.7	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.2	U	82.2	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114201.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78.9	U	78.9	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	75.1	U	75.1	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.7	U	96.7	380	ug/Kg
84-66-2	Diethylphthalate	73.5	U	73.5	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97	U	97	380	ug/Kg
86-73-7	Fluorene	59.2	U	59.2	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.2	U	81.2	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.9	U	89.9	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.6	U	65.6	380	ug/Kg
118-74-1	Hexachlorobenzene	77.3	U	77.3	380	ug/Kg
1912-24-9	Atrazine	92.4	U	92.4	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	920		66.4	380	ug/Kg
120-12-7	Anthracene	81.8	J	64.8	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	960		57.5	380	ug/Kg
129-00-0	Pyrene	1600		70.8	380	ug/Kg
85-68-7	Butylbenzylphthalate	74.2	U	74.2	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	680		43.7	380	ug/Kg
218-01-9	Chrysene	920		49.5	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82.9	U	82.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	830		56.6	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	230	J	65.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	670		51.6	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	450		84.1	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	J	60.8	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114201.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	520		71.1	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91	U	91	380	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.4	U	48.4	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.1		28 - 127	65%	SPK: 150
13127-88-3	Phenol-d6	109		34 - 127	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.4		31 - 132	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.7		39 - 123	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		30 - 133	69%	SPK: 150
1718-51-0	Terphenyl-d14	63.1		37 - 115	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	262214	6.85			
1146-65-2	Naphthalene-d8	980799	8.13			
15067-26-2	Acenaphthene-d10	444712	9.89			
1517-22-2	Phenanthrene-d10	826218	11.37			
1719-03-5	Chrysene-d12	524324	14.02			
1520-96-3	Perylene-d12	603840	15.49			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl- Unknown	800	J		2.13	ug/Kg
	unknown6.63	2900	J		6.63	ug/Kg
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di- Unknown	180	J		9.32	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	250	J N		11.87	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	560	J N		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	370	J N		11.98	ug/Kg
004980-70-5	Propyne, 1,3-diphenyl-	170	J N		12.01	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	210	J N		12.17	ug/Kg
000084-65-1	9,10-Anthracenedione	180	J N		12.19	ug/Kg
074685-29-3	9-Eicosene, (E)-	630	J N		12.41	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	180	J N		12.46	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	190	J N		12.51	ug/Kg
002381-21-7	Pyrene, 1-methyl-	160	J N		13.03	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-18	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF114201.D	1	05/11/19 10:29	05/12/19 19:06	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000296-56-0	Cycloeicosane	210	J N		13.84	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	170	J N		14.16	ug/Kg
004325-77-3	Phenanthrene, 2-phenyl-	230	J		14.48	ug/Kg
000192-97-2	Benzo[e]pyrene	490	J N		15.36	ug/Kg
000629-99-2	Pentacosane	160	J N		15.93	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020307.D	1	05/11/19 10:29	05/12/19 20:18	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	400	ug/Kg
108-95-2	Phenol	75.8	U	75.8	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	400	ug/Kg
95-57-8	2-Chlorophenol	79.7	U	79.7	400	ug/Kg
95-48-7	2-Methylphenol	84.9	U	84.9	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	400	ug/Kg
98-86-2	Acetophenone	110	U	110	400	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	400	ug/Kg
98-95-3	Nitrobenzene	52.4	U	52.4	400	ug/Kg
78-59-1	Isophorone	44.3	U	44.3	400	ug/Kg
88-75-5	2-Nitrophenol	92.3	U	92.3	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66.8	U	66.8	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.2	U	62.2	400	ug/Kg
120-83-2	2,4-Dichlorophenol	62	U	62	400	ug/Kg
91-20-3	Naphthalene	60.2	U	60.2	400	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	400	ug/Kg
87-68-3	Hexachlorobutadiene	73.5	U	73.5	400	ug/Kg
105-60-2	Caprolactam	140	U	140	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.6	U	71.6	400	ug/Kg
91-57-6	2-Methylnaphthalene	74.4	U	74.4	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.1	U	73.1	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	71.5	U	71.5	400	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	400	ug/Kg
91-58-7	2-Chloronaphthalene	91.2	U	91.2	400	ug/Kg
88-74-4	2-Nitroaniline	84.1	U	84.1	400	ug/Kg
131-11-3	Dimethylphthalate	610		61.1	400	ug/Kg
208-96-8	Acenaphthylene	100	J	72.5	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.5	U	85.5	400	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020307.D	1	05/11/19 10:29	05/12/19 20:18	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	400	ug/Kg
83-32-9	Acenaphthene	82	U	82	400	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	400	ug/Kg
100-02-7	4-Nitrophenol	78.1	U	78.1	400	ug/Kg
132-64-9	Dibenzofuran	110	U	110	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	400	ug/Kg
84-66-2	Diethylphthalate	76.5	U	76.5	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	400	ug/Kg
86-73-7	Fluorene	61.6	U	61.6	400	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	84.4	U	84.4	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.6	U	93.6	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.2	U	68.2	400	ug/Kg
118-74-1	Hexachlorobenzene	80.4	U	80.4	400	ug/Kg
1912-24-9	Atrazine	96	U	96	400	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	400	ug/Kg
85-01-8	Phenanthrene	150	J	69	400	ug/Kg
120-12-7	Anthracene	67.4	U	67.4	400	ug/Kg
86-74-8	Carbazole	110	U	110	400	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	400	ug/Kg
206-44-0	Fluoranthene	340	J	59.8	400	ug/Kg
129-00-0	Pyrene	580		73.7	400	ug/Kg
85-68-7	Butylbenzylphthalate	77.2	U	77.2	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	400	ug/Kg
56-55-3	Benzo(a)anthracene	250	J	45.5	400	ug/Kg
218-01-9	Chrysene	350	J	51.5	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	400	ug/Kg
117-84-0	Di-n-octyl phthalate	86.2	U	86.2	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	J	58.8	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	68.1	400	ug/Kg
50-32-8	Benzo(a)pyrene	270	J	53.6	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	87.5	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.3	U	63.3	400	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020307.D	1	05/11/19 10:29	05/12/19 20:18	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	230	J	73.9	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.6	U	94.6	400	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.3	U	50.3	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	129		28 - 127	86%	SPK: 150
13127-88-3	Phenol-d6	125		34 - 127	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.2		31 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.6		39 - 123	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133	80%	SPK: 150
1718-51-0	Terphenyl-d14	51.3		37 - 115	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59555	7.76			
1146-65-2	Naphthalene-d8	194758	10.56			
15067-26-2	Acenaphthene-d10	117577	14.41			
1517-22-2	Phenanthrene-d10	273731	17.16			
1719-03-5	Chrysene-d12	312966	21.35			
1520-96-3	Perylene-d12	385820	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4200	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J N		18.04	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	96.4	J N		18.08	ug/Kg
000256-81-5	5H-Dibenzo[a,d]cycloheptene	140	J		18.22	ug/Kg
000084-65-1	9,10-Anthracenedione	97.2	J N		18.59	ug/Kg
000781-43-1	9,10-Dimethylanthracene	150	J N		18.95	ug/Kg
	unknown19.10	110	J		19.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	110	J N		19.92	ug/Kg
054934-69-9	Naphthalene, 1,1-(1,2-ethanediyl)	100	J		20.54	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	240	J N		21.04	ug/Kg
000192-97-2	Benzo[e]pyrene	240	J N		23.44	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-19	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	17.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020307.D	1	05/11/19 10:29	05/12/19 20:18	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.4
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020300.D	1	05/11/19 10:29	05/12/19 16:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	380	ug/Kg
108-95-2	Phenol	72.1	U	72.1	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	380	ug/Kg
95-57-8	2-Chlorophenol	75.8	U	75.8	380	ug/Kg
95-48-7	2-Methylphenol	80.7	U	80.7	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	380	ug/Kg
98-86-2	Acetophenone	110	U	110	380	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	380	ug/Kg
67-72-1	Hexachloroethane	96.9	U	96.9	380	ug/Kg
98-95-3	Nitrobenzene	49.8	U	49.8	380	ug/Kg
78-59-1	Isophorone	42.1	U	42.1	380	ug/Kg
88-75-5	2-Nitrophenol	87.7	U	87.7	380	ug/Kg
105-67-9	2,4-Dimethylphenol	63.5	U	63.5	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.1	U	59.1	380	ug/Kg
120-83-2	2,4-Dichlorophenol	59	U	59	380	ug/Kg
91-20-3	Naphthalene	57.2	U	57.2	380	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	380	ug/Kg
87-68-3	Hexachlorobutadiene	69.8	U	69.8	380	ug/Kg
105-60-2	Caprolactam	130	U	130	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	68	U	68	380	ug/Kg
91-57-6	2-Methylnaphthalene	70.7	U	70.7	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69.5	U	69.5	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68	U	68	380	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	380	ug/Kg
91-58-7	2-Chloronaphthalene	86.7	U	86.7	380	ug/Kg
88-74-4	2-Nitroaniline	79.9	U	79.9	380	ug/Kg
131-11-3	Dimethylphthalate	490		58.1	380	ug/Kg
208-96-8	Acenaphthylene	68.9	U	68.9	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	81.2	U	81.2	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.4
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020300.D	1	05/11/19 10:29	05/12/19 16:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	380	ug/Kg
83-32-9	Acenaphthene	78	U	78	380	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	380	ug/Kg
100-02-7	4-Nitrophenol	74.2	U	74.2	380	ug/Kg
132-64-9	Dibenzofuran	100	U	100	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.6	U	95.6	380	ug/Kg
84-66-2	Diethylphthalate	72.7	U	72.7	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.9	U	95.9	380	ug/Kg
86-73-7	Fluorene	58.6	U	58.6	380	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.2	U	80.2	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.9	U	88.9	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.8	U	64.8	380	ug/Kg
118-74-1	Hexachlorobenzene	76.5	U	76.5	380	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	380	ug/Kg
85-01-8	Phenanthrene	65.6	U	65.6	380	ug/Kg
120-12-7	Anthracene	64.1	U	64.1	380	ug/Kg
86-74-8	Carbazole	100	U	100	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	56.9	U	56.9	380	ug/Kg
129-00-0	Pyrene	70	U	70	380	ug/Kg
85-68-7	Butylbenzylphthalate	73.4	U	73.4	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	380	ug/Kg
56-55-3	Benzo(a)anthracene	43.2	U	43.2	380	ug/Kg
218-01-9	Chrysene	48.9	U	48.9	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	380	ug/Kg
117-84-0	Di-n-octyl phthalate	82	U	82	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.9	U	55.9	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.8	U	64.8	380	ug/Kg
50-32-8	Benzo(a)pyrene	51	U	51	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.1	U	83.1	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.1	U	60.1	380	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-20	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.4
Sample Wt/Vol:	30.13 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020300.D	1	05/11/19 10:29	05/12/19 16:07	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	70.2	U	70.2	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.9	U	89.9	380	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.9	U	47.9	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		28 - 127	76%	SPK: 150
13127-88-3	Phenol-d6	109		34 - 127	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.1		31 - 132	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.7		39 - 123	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		30 - 133	71%	SPK: 150
1718-51-0	Terphenyl-d14	49.4		37 - 115	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56291	7.76			
1146-65-2	Naphthalene-d8	190227	10.56			
15067-26-2	Acenaphthene-d10	110752	14.41			
1517-22-2	Phenanthrene-d10	264641	17.16			
1719-03-5	Chrysene-d12	300109	21.34			
1520-96-3	Perylene-d12	384867	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3500	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J N		18.04	ug/Kg
079392-43-1	Trifluoroacetic acid, n-octadecyl	120	J N		21.04	ug/Kg
000112-95-8	Eicosane	85.5	J N		22.9	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020301.D	1	05/11/19 10:29	05/12/19 16:43	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	110	U	110	390	ug/Kg
108-95-2	Phenol	73.5	U	73.5	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	390	ug/Kg
95-57-8	2-Chlorophenol	77.3	U	77.3	390	ug/Kg
95-48-7	2-Methylphenol	82.4	U	82.4	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	390	ug/Kg
98-86-2	Acetophenone	110	U	110	390	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	390	ug/Kg
67-72-1	Hexachloroethane	98.8	U	98.8	390	ug/Kg
98-95-3	Nitrobenzene	50.8	U	50.8	390	ug/Kg
78-59-1	Isophorone	43	U	43	390	ug/Kg
88-75-5	2-Nitrophenol	89.5	U	89.5	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.3	U	60.3	390	ug/Kg
120-83-2	2,4-Dichlorophenol	60.2	U	60.2	390	ug/Kg
91-20-3	Naphthalene	58.4	U	58.4	390	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	390	ug/Kg
87-68-3	Hexachlorobutadiene	71.3	U	71.3	390	ug/Kg
105-60-2	Caprolactam	130	U	130	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	69.4	U	69.4	390	ug/Kg
91-57-6	2-Methylnaphthalene	72.1	U	72.1	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70.9	U	70.9	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69.4	U	69.4	390	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	390	ug/Kg
91-58-7	2-Chloronaphthalene	88.4	U	88.4	390	ug/Kg
88-74-4	2-Nitroaniline	81.6	U	81.6	390	ug/Kg
131-11-3	Dimethylphthalate	500		59.3	390	ug/Kg
208-96-8	Acenaphthylene	70.3	U	70.3	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	82.9	U	82.9	390	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020301.D	1	05/11/19 10:29	05/12/19 16:43	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	150	U	150	390	ug/Kg
83-32-9	Acenaphthene	79.5	U	79.5	390	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	390	ug/Kg
100-02-7	4-Nitrophenol	75.7	U	75.7	390	ug/Kg
132-64-9	Dibenzofuran	110	U	110	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.6	U	97.6	390	ug/Kg
84-66-2	Diethylphthalate	74.2	U	74.2	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.9	U	97.9	390	ug/Kg
86-73-7	Fluorene	59.8	U	59.8	390	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.9	U	81.9	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.7	U	90.7	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.2	U	66.2	390	ug/Kg
118-74-1	Hexachlorobenzene	78	U	78	390	ug/Kg
1912-24-9	Atrazine	93.2	U	93.2	390	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	390	ug/Kg
85-01-8	Phenanthrene	78.5	J	66.9	390	ug/Kg
120-12-7	Anthracene	65.4	U	65.4	390	ug/Kg
86-74-8	Carbazole	110	U	110	390	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	390	ug/Kg
206-44-0	Fluoranthene	120	J	58	390	ug/Kg
129-00-0	Pyrene	210	J	71.4	390	ug/Kg
85-68-7	Butylbenzylphthalate	74.9	U	74.9	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	390	ug/Kg
56-55-3	Benzo(a)anthracene	85.1	J	44.1	390	ug/Kg
218-01-9	Chrysene	100	J	49.9	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	390	ug/Kg
117-84-0	Di-n-octyl phthalate	83.6	U	83.6	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	79.3	J	57.1	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	66.1	U	66.1	390	ug/Kg
50-32-8	Benzo(a)pyrene	79.4	J	52	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.8	U J	84.8	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.4	U	61.4	390	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-21	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	14.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020301.D	1	05/11/19 10:29	05/12/19 16:43	PB119655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	71.7	U	71.7	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.7	U	91.7	390	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.8	U	48.8	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		28 - 127	79%	SPK: 150
13127-88-3	Phenol-d6	114		34 - 127	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.8		31 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		39 - 123	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		30 - 133	81%	SPK: 150
1718-51-0	Terphenyl-d14	67.1		37 - 115	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59959	7.76			
1146-65-2	Naphthalene-d8	197853	10.56			
15067-26-2	Acenaphthene-d10	116522	14.41			
1517-22-2	Phenanthrene-d10	271357	17.16			
1719-03-5	Chrysene-d12	294351	21.34			
1520-96-3	Perylene-d12	366727	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	3800	J		7.29	ug/Kg
000057-10-3	n-Hexadecanoic acid	160	J N		18.04	ug/Kg
006971-40-0	17-Pentatriacontene	210	J N		21.04	ug/Kg

6/11/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CHEMTECH
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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2768	OrderDate:	5/9/2019 9:55:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 528
Contact:	Smita Sumbaly	Location:	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2768-01	P026-SS013-0612-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-02	P026-SS013-1218-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-03	P026-SS013-1824-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-04	P026-SS014-0002-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/13/19	
K2768-05	P026-SS014-0206-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-06	P026-SS014-0612-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-07	P026-SS014-1218-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-08	P026-SS014-1824-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/11/19	
K2768-09	P026-SS015-0002-01	SOIL			05/07/19			05/09/19
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	

LAB CHRONICLE

K2768-10	**P026-SS015-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-11	**P026-SS015-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-12	**P026-SS015-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-13	**P026-SS015-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-16	**P026-SS015-1824-02**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-17	**P026-SS016-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-18	**P026-SS016-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-19	**P026-SS016-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-20	**P026-SS016-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	
K2768-21	**P026-SS016-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/11/19	05/12/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS013-0612-01	P026-SS013-1218-01	P026-SS013-1824-01	P026-SS014-0002-01	P026-SS014-0206-01
Lab Sample ID	K2768-01	K2768-02	K2768-03	K2768-04	K2768-05
Sample Weight (g)	2.38	2.42	2.35	2.39	2.43
(Hg weight, g)	0.58	0.57	0.58	0.56	0.58
% Solid	77.9	83.1	83.8	58.9	71.3
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**7.37**	**6.54**	**5.3**	**4.84**	**5.83**
Barium	**114**	**142**	**161**	**192**	**194**
Cadmium	**0.122 J**	**0.098 J**	**0.138 J**	0.034 U	**0.104 J**
Chromium	**9.18**	**10.6**	**9.84**	**9.35**	**12.2**
Lead	**52.8**	**40.4**	**24.2**	**31.7**	**30.3**
Mercury	**0.077**	**0.074**	**0.036**	**0.12**	**0.08**
Selenium	0.342 U	0.316 U	0.322 U	0.507 J	0.366 U
Silver	0.045 U	0.041 U	0.042 U	0.059 U	0.048 U

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS014-0612-01	P026-SS014-1218-01	P026-SS014-1824-01	P026-SS015-0002-01	P026-SS015-0206-01
Lab Sample ID	K2768-06	K2768-07	K2768-08	K2768-09	K2768-10
Sample Weight (g)	2.37	2.42	2.44	2.39	2.4
(Hg weight, g)	0.56	0.56	0.57	0.54	0.56
% Solid	77	81.5	89.7	84.3	90.9
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**5.3**	**5.33**	**4.88**	**6.65**	**5.46**
Barium	**163**	**125**	**87.7**	**134**	**105**
Cadmium	**0.027 J**	0.024 U	**0.267 J**	**0.322**	**0.501**
Chromium	**14.2**	**12.6**	**11.2**	**8.39**	**9.54**
Lead	**17.8**	**19.5**	**15.4**	**75.9**	**22**
Mercury	**0.046**	**0.06**	**0.049**	**0.055**	**0.048**
Selenium	0.348 U	0.322 U	0.29 U	0.315 U	0.291 U
Silver	0.045 U	0.042 U	0.038 U	0.041 U	0.038 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS015-0612-01	P026-SS015-1218-01	P026-SS015-1824-01	P026-SS015-1824-02[1]	P026-SS016-0002-01
Lab Sample ID	K2768-11	K2768-12	K2768-13	K2768-16	K2768-17
Sample Weight (g)	2.36	2.42	2.4	2.44	2.36
(Hg weight, g)	0.56	0.57	0.56	0.56	0.56
% Solid	89.5	89.6	87.4	89.5	80.1
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**5.37**	**5.27**	**5.27**	**5.04**	**6.77**
Barium	**95.8**	**122**	**112**	**105**	**112**
Cadmium	**0.303**	**0.451**	**0.242 J**	**0.185 J**	**0.249 J**
Chromium	**11.3**	**11.8**	**21.9 J**	**14.2**	**9.26**
Lead	**16.9**	**16.2**	**18.1**	**17.5**	**30.8**
Mercury	**0.04**	**0.038**	**0.032**	**0.032**	**0.056**
Selenium	0.3 U	0.293 U	0.303 UJ	0.291 U	0.336 U
Silver	0.039 U	0.038 U	0.039 UJ	0.038 U	0.044 U

Matrix:	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS016-0206-01	P026-SS016-0612-01	P026-SS016-1218-01	P026-SS016-1824-01
Lab Sample ID	K2768-18	K2768-19	K2768-20	K2768-21
Sample Weight (g)	2.41	2.45	2.37	2.41
(Hg weight, g)	0.58	0.56	0.58	0.57
% Solid	85.7	82.4	86.6	85.1
Dilution Factor	1	1	1	1
Inorganics				
Arsenic	**6.32**	**5.34**	**6.41**	**5.99**
Barium	**104**	**101**	**125**	**107**
Cadmium	**0.264 J**	**0.202 J**	**0.303**	**0.236 J**
Chromium	**8.91**	**10.7**	**9.7**	**14.5**
Lead	**31**	**21.8**	**25.5**	**23.8**
Mercury	**0.06**	**0.063**	**0.047**	**0.046**
Selenium	0.307 U	0.314 U	0.309 U	0.309 U
Silver	0.04 U	0.041 U	0.04 U	0.04 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

[1] A field duplicate of P026-SS015-1824-01

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2768
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (P026-SS015-1824-01MS) analysis met criteria for all samples except for Chromium, Selenium, Silver.
The Matrix Spike Duplicate (P026-SS015-1824-01MSD) analysis met criteria for all samples except for Chromium, Selenium, Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (P026-SS015-1824-01L) met criteria for all samples except for Chromium.

E. Calculation:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,
C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

F. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:59 pm, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	7.37		1	0.208	1.08	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010
7440-39-3	Barium	114		1	0.45	5.39	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010
7440-43-9	Cadmium	0.122	J	1	0.026	0.324	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010
7440-47-3	Chromium	9.18	N	1	0.166	0.539	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010
7439-92-1	Lead	52.8		1	0.056	0.647	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010
7439-97-6	Mercury	0.077		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 14:58	SW7471B
7782-49-2	Selenium	0.342	UN	1	0.342	1.08	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010
7440-22-4	Silver	0.045	UN	1	0.045	0.539	mg/Kg	05/11/19 10:46	05/13/19 20:42	SW6010

SS 6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.54		1	0.192	0.995	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010
7440-39-3	Barium	142		1	0.415	4.97	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010
7440-43-9	Cadmium	0.098	J	1	0.024	0.298	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010
7440-47-3	Chromium	10.6	N	1	0.153	0.497	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010
7439-92-1	Lead	40.4		1	0.051	0.597	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010
7439-97-6	Mercury	0.074		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 15:01	SW7471B
7782-49-2	Selenium	0.316	UN	1	0.316	0.995	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.497	mg/Kg	05/11/19 10:46	05/13/19 20:55	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS013-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.3		1	0.196	1.02	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010
7440-39-3	Barium	161		1	0.423	5.08	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010
7440-43-9	Cadmium	0.138	J	1	0.024	0.305	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010
7440-47-3	Chromium	9.84	N	1	0.156	0.508	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010
7439-92-1	Lead	24.2		1	0.053	0.609	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010
7439-97-6	Mercury	0.036		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:03	SW7471B
7782-49-2	Selenium	0.322	UN	1	0.322	1.02	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.508	mg/Kg	05/11/19 10:46	05/13/19 20:59	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	58.9

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.84		1	0.275	1.42	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010
7440-39-3	Barium	192		1	0.592	7.1	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010
7440-43-9	Cadmium	0.034	U	1	0.034	0.426	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010
7440-47-3	Chromium	9.35	~~N~~	1	0.218	0.71	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010
7439-92-1	Lead	31.7		1	0.074	0.852	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010
7439-97-6	Mercury	0.12		1	0.004	0.021	mg/Kg	05/13/19 10:02	05/13/19 15:05	SW7471B
7782-49-2	Selenium	0.507	~~JN~~	1	0.451	1.42	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010
7440-22-4	Silver	0.059	~~UN~~	1	0.059	0.71	mg/Kg	05/11/19 10:46	05/13/19 21:04	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	71.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.83		1	0.223	1.15	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010
7440-39-3	Barium	194		1	0.481	5.77	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010
7440-43-9	Cadmium	0.104	J	1	0.028	0.346	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010
7440-47-3	Chromium	12.2	N	1	0.177	0.577	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010
7439-92-1	Lead	30.3		1	0.06	0.693	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010
7439-97-6	Mercury	0.08		1	0.003	0.017	mg/Kg	05/13/19 10:02	05/13/19 15:07	SW7471B
7782-49-2	Selenium	0.366	UN	1	0.366	1.15	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010
7440-22-4	Silver	0.048	UN	1	0.048	0.577	mg/Kg	05/11/19 10:46	05/13/19 21:09	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	77

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.3		1	0.212	1.1	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010
7440-39-3	Barium	163		1	0.457	5.48	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010
7440-43-9	Cadmium	0.027	J	1	0.026	0.329	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010
7440-47-3	Chromium	14.2	N	1	0.168	0.548	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010
7439-92-1	Lead	17.8		1	0.057	0.658	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010
7439-97-6	Mercury	0.046		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 15:10	SW7471B
7782-49-2	Selenium	0.348	UN	1	0.348	1.1	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010
7440-22-4	Silver	0.045	UN	1	0.045	0.548	mg/Kg	05/11/19 10:46	05/13/19 21:13	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

A B C D

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.33		1	0.196	1.01	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010
7440-39-3	Barium	125		1	0.423	5.07	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010
7440-43-9	Cadmium	0.024	U	1	0.024	0.304	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010
7440-47-3	Chromium	12.6	N	1	0.156	0.507	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010
7439-92-1	Lead	19.5		1	0.052	0.608	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010
7439-97-6	Mercury	0.06		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 15:12	SW7471B
7782-49-2	Selenium	0.322	UN	1	0.322	1.01	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010
7440-22-4	Silver	0.042	UN	1	0.042	0.507	mg/Kg	05/11/19 10:46	05/13/19 21:18	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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J = Estimated Value
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS014-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.88		1	0.177	0.914	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010
7440-39-3	Barium	87.7		1	0.381	4.57	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010
7440-43-9	Cadmium	0.267	J	1	0.022	0.274	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010
7440-47-3	Chromium	11.2	N	1	0.14	0.457	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010
7439-92-1	Lead	15.4		1	0.047	0.548	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010
7439-97-6	Mercury	0.049		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:19	SW7471B
7782-49-2	Selenium	0.29	UN	1	0.29	0.914	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.457	mg/Kg	05/11/19 10:46	05/13/19 21:22	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.65		1	0.192	0.993	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010
7440-39-3	Barium	134		1	0.414	4.96	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010
7440-43-9	Cadmium	0.322		1	0.024	0.298	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010
7440-47-3	Chromium	8.39	N	1	0.153	0.496	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010
7439-92-1	Lead	75.9		1	0.051	0.596	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010
7439-97-6	Mercury	0.055		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 15:21	SW7471B
7782-49-2	Selenium	0.315	UN	1	0.315	0.993	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.496	mg/Kg	05/11/19 10:46	05/13/19 21:27	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.9

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.46		1	0.177	0.917	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010
7440-39-3	Barium	105		1	0.382	4.58	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010
7440-43-9	Cadmium	0.501		1	0.022	0.275	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010
7440-47-3	Chromium	9.54	N	1	0.141	0.458	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010
7439-92-1	Lead	22		1	0.047	0.55	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010
7439-97-6	Mercury	0.048		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:23	SW7471B
7782-49-2	Selenium	0.291	UN	1	0.291	0.917	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.458	mg/Kg	05/11/19 10:46	05/13/19 21:31	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.37		1	0.183	0.947	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010
7440-39-3	Barium	95.8		1	0.395	4.73	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010
7440-43-9	Cadmium	0.303		1	0.023	0.284	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010
7440-47-3	Chromium	11.3	N	1	0.146	0.473	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010
7439-92-1	Lead	16.9		1	0.049	0.568	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010
7439-97-6	Mercury	0.04		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:26	SW7471B
7782-49-2	Selenium	0.3	UN	1	0.3	0.947	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010
7440-22-4	Silver	0.039	UN	1	0.039	0.473	mg/Kg	05/11/19 10:46	05/13/19 21:36	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.27		1	0.178	0.922	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010
7440-39-3	Barium	122		1	0.385	4.61	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010
7440-43-9	Cadmium	0.451		1	0.022	0.277	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010
7440-47-3	Chromium	11.8	N	1	0.142	0.461	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010
7439-92-1	Lead	16.2		1	0.048	0.553	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010
7439-97-6	Mercury	0.038		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:28	SW7471B
7782-49-2	Selenium	0.293	UN	1	0.293	0.922	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.461	mg/Kg	05/11/19 10:46	05/13/19 21:49	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.27		1	0.184	0.953	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010
7440-39-3	Barium	112		1	0.397	4.77	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010
7440-43-9	Cadmium	0.242	J	1	0.023	0.286	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010
7440-47-3	Chromium	21.9	~~N~~ J	1	0.147	0.477	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010
7439-92-1	Lead	18.1		1	0.049	0.572	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010
7439-97-6	Mercury	0.032		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:30	SW7471B
7782-49-2	Selenium	0.303	~~UN~~ J		0.303	0.953	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010
7440-22-4	Silver	0.039	~~UN~~ J		0.039	0.477	mg/Kg	05/11/19 10:46	05/13/19 21:54	SW6010

5 6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS015-1824-02	SDG No.:	K2768
Lab Sample ID:	K2768-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.04		1	0.177	0.916	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010
7440-39-3	Barium	105		1	0.382	4.58	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010
7440-43-9	Cadmium	0.185	J	1	0.022	0.275	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010
7440-47-3	Chromium	14.2	N	1	0.141	0.458	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010
7439-92-1	Lead	17.5		1	0.047	0.55	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010
7439-97-6	Mercury	0.032		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:39	SW7471B
7782-49-2	Selenium	0.291	UN	1	0.291	0.916	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010
7440-22-4	Silver	0.038	UN	1	0.038	0.458	mg/Kg	05/11/19 10:46	05/13/19 22:21	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0002-01	SDG No.:	K2768
Lab Sample ID:	K2768-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.1

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.77		1	0.204	1.06	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010
7440-39-3	Barium	112		1	0.441	5.29	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010
7440-43-9	Cadmium	0.249	J	1	0.025	0.317	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010
7440-47-3	Chromium	9.26	~~N~~	1	0.163	0.529	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010
7439-92-1	Lead	30.8		1	0.055	0.635	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010
7439-97-6	Mercury	0.056		1	0.003	0.016	mg/Kg	05/13/19 10:02	05/13/19 15:46	SW7471B
7782-49-2	Selenium	0.336	UN	1	0.336	1.06	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.529	mg/Kg	05/11/19 10:46	05/13/19 22:26	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0206-01	SDG No.:	K2768
Lab Sample ID:	K2768-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.32		1	0.187	0.968	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010
7440-39-3	Barium	104		1	0.404	4.84	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010
7440-43-9	Cadmium	0.264	J	1	0.023	0.291	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010
7440-47-3	Chromium	8.91	~~N~~	1	0.149	0.484	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010
7439-92-1	Lead	31		1	0.05	0.581	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010
7439-97-6	Mercury	0.06		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:48	SW7471B
7782-49-2	Selenium	0.307	UN	1	0.307	0.968	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.484	mg/Kg	05/11/19 10:46	05/13/19 22:30	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-0612-01	SDG No.:	K2768
Lab Sample ID:	K2768-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.4

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.34		1	0.191	0.991	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010
7440-39-3	Barium	101		1	0.413	4.95	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010
7440-43-9	Cadmium	0.202	J	1	0.024	0.297	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010
7440-47-3	Chromium	10.7	N	1	0.152	0.495	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010
7439-92-1	Lead	21.8		1	0.051	0.594	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010
7439-97-6	Mercury	0.063		1	0.003	0.015	mg/Kg	05/13/19 10:02	05/13/19 15:51	SW7471B
7782-49-2	Selenium	0.314	UN	1	0.314	0.991	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010
7440-22-4	Silver	0.041	UN	1	0.041	0.495	mg/Kg	05/11/19 10:46	05/13/19 22:44	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1218-01	SDG No.:	K2768
Lab Sample ID:	K2768-20	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	6.41		1	0.188	0.974	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010
7440-39-3	Barium	125		1	0.406	4.87	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010
7440-43-9	Cadmium	0.303		1	0.023	0.292	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010
7440-47-3	Chromium	9.7	N	1	0.15	0.487	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010
7439-92-1	Lead	25.5		1	0.05	0.585	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010
7439-97-6	Mercury	0.047		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:53	SW7471B
7782-49-2	Selenium	0.309	UN	1	0.309	0.974	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010
7440-22-4	Silver	0.04	UN	1	0.04	0.487	mg/Kg	05/11/19 10:46	05/13/19 22:48	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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7

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS016-1824-01	SDG No.:	K2768
Lab Sample ID:	K2768-21	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.1

A B C D

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	5.99		1	0.188	0.975	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010
7440-39-3	Barium	107		1	0.407	4.88	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010
7440-43-9	Cadmium	0.236	J	1	0.023	0.293	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010
7440-47-3	Chromium	14.5	~~N~~	1	0.15	0.488	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010
7439-92-1	Lead	23.8		1	0.05	0.585	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010
7439-97-6	Mercury	0.046		1	0.003	0.014	mg/Kg	05/13/19 10:02	05/13/19 15:55	SW7471B
7782-49-2	Selenium	0.309	~~UN~~	1	0.309	0.975	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010
7440-22-4	Silver	0.04	~~UN~~	1	0.04	0.488	mg/Kg	05/11/19 10:46	05/13/19 22:53	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2768	**OrderDate:**	5/9/2019 9:55:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2768-01	**P026-SS013-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-02	**P026-SS013-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-03	**P026-SS013-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-04	**P026-SS014-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-05	**P026-SS014-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-06	**P026-SS014-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-07	**P026-SS014-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	

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LAB CHRONICLE

K2768-08	**P026-SS014-1824-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-09	**P026-SS015-0002-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-10	**P026-SS015-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-11	**P026-SS015-0612-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-12	**P026-SS015-1218-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-13	**P026-SS015-1824-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-16	**P026-SS015-1824-0 2**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-17	**P026-SS016-0002-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-18	**P026-SS016-0206-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	

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LAB CHRONICLE

K2768-19	**P026-SS016-0612-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-20	**P026-SS016-1218-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	
K2768-21	**P026-SS016-1824-0 1**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/11/19	05/13/19	

SHIPPING DOCUMENTS

K2768

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: 57
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS013-0612-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:49	1	8 oz glass	4 C	N
	P026-SS013-0612-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:49	1	8 oz glass	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	08:54	1	8 oz glass	4 C	N
	P026-SS013-1218-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	08:54	1	8 oz glass	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	09:02	1	8 oz glass	4 C	N
	P026-SS013-1824-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:02	1	8 oz glass	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	RCRA Metals (Solid)	5/7/2019	09:07	1	8 oz glass	4 C	N
	P026-SS014-0002-01	P026-SS012	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:07	1	8 oz glass	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:14	1	8 oz glass	4 C	N
	P026-SS014-0206-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:14	1	8 oz glass	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:21	1	8 oz glass	4 C	N
	P026-SS014-0612-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:21	1	8 oz glass	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:27	1	8 oz glass	4 C	N
	P026-SS014-1218-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:27	1	8 oz glass	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	RCRA Metals (Solid)	5/7/2019	09:33	1	8 oz glass	4 C	N
	P026-SS014-1824-01	P026-SS014	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:33	1	8 oz glass	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:39	1	8 oz glass	4 C	N
	P026-SS015-0002-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:39	1	8 oz glass	4 C	N
	P026-SS015-0206-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:44	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	William RSTS	5/9/2019 900		5-9-19 0935	2-3°C

K2768

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~6~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS015-0206-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:44	1	8 oz glass	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:51	1	8 oz glass	4 C	N
	P026-SS015-0612-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:51	1	8 oz glass	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	09:58	1	8 oz glass	4 C	N
	P026-SS015-1218-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	09:58	1	8 oz glass	4 C	N
	P026-SS015-1824-01	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	10:04	2	8 oz glass	4 C	Y
	P026-SS015-1824-01	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:04	2	8 oz glass	4 C	Y
	P026-SS015-1824-02	P026-SS015	Soil	RCRA Metals (Solid)	5/7/2019	10:04	1	8 oz glass	4 C	N
	P026-SS015-1824-02	P026-SS015	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:04	1	8 oz glass	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:13	1	8 oz glass	4 C	N
	P026-SS016-0002-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:13	1	8 oz glass	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:25	1	8 oz glass	4 C	N
	P026-SS016-0206-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:25	1	8 oz glass	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:33	1	8 oz glass	4 C	N
	P026-SS016-0612-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:33	1	8 oz glass	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:41	1	8 oz glass	4 C	N
	P026-SS016-1218-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:41	1	8 oz glass	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:50	1	8 oz glass	4 C	N
	P026-SS016-1824-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:50	1	8 oz glass	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Wilson RSS3	5/9/2019 900		5-9-19 0935	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) Gorge Vegnau		Log-In Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS013-0612-01	MA No. ~~0100105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.7 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12. Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS013-0612		K2768-01	Intact
2	P026-SS013-1218		K2768-02	Intact
3	P026-SS013-1824		K2768-03	Intact
4	P026-SS014-0002		K2768-04	Intact
5	P026-SS014-0206		K2768-05	Intact
6	P026-SS014-0612		K2768-06	Intact
7	P026-SS014-1218		K2768-07	Intact
8	P026-SS014-1824		K2768-08	Intact
9	P026-SS015-0002		K2768-09	Intact
10	P026-SS015-0206		K2768-10	Intact
11	P026-SS015-0612		K2768-11	Intact
12	P026-SS015-1218		K2768-12	Intact
13	P026-SS015-1824		K2768-13	Intact
14	K2768-13MS		K2768-14	Intact
15	K2768-13MSD		K2768-15	Intact
16	P026-SS015-1824		K2768-16	Intact
17	P026-SS016-0002		K2768-17	Intact
18	P026-SS016-0206		K2768-18	Intact
19	P026-SS016-0612		K2768-19	Intact
20	P026-SS016-1218		K2768-20	Intact
21	P026-SS016-1824		K2768-21	Intact
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

REGION II RST 3 DATA ASSESSMENT REPORT

SITE: Route 203 Site **No. of Samples/Matrix:** 5/Soils, 3/Aqueous (Rinsate Blanks)

Lab Order No.: K2769

LAB: Chemtech Consulting Group, Mountainside, New Jersey

ANALYSIS: Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) Metals, including Mercury

CONTRACTOR: Weston Solutions, Inc., Removal Support Team 3 (RST 3)

The following table summarizes the analytical methods used for the requested analyses and the U.S. Environmental Protection Agency, Region II (EPA) data validation standard operating procedures (SOPs) used for data validation.

Analysis	Analytical Method	Data Validation SOP No.
TCL SVOCs	SW-846 Method 8270D	HW-22 (Revision 5), December 2010
RCRA Metals	SW-846 Method 6010D	No. HW-3b (Revision 1), September 2016 and Analytical Method
Mercury	SW-846 Method 7471B	No. HW-3c (Revision 1), September 2016 and Analytical Method
	SW-846 Method 7470A	

All data were found to be valid and acceptable except those analytes which have been rejected, "R" (unusable). Due to various quality control (QC) problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer Signature: Smita Sumbaly **Date:** 06/20/2019

Verified By: **Date:** 06/20/2019

From May 6 through 8, 2019, EPA Region II and RST 3 personnel collected five soil samples and three aqueous (rinsate blank) samples for TCL SVOCs and RCRA metals, including mercury, analyses from the Route 203 Site, located at 5225-5239 Route 203, Nassau, Rensselaer County, New York. The samples were delivered under chain of custody (COC) for the requested analysis to Chemtech Consulting Group located at 284 Sheffield Street, Mountainside, New Jersey. The laboratory verified that samples were received intact, properly sealed, and refrigerated. The sample cooler temperature measured 2.3 Degrees Celsius (°C).

Field Sample ID	Lab Sample ID	Matrix	Analysis	Sampling Date
SDG No.: K2769				
P026-SS017-0002-01	J2769-01	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS017-0206-01	J2769-02	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS017-0612-01	J2769-03	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS017-1218-01	J2769-04	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
P026-SS017-1824-01	J2769-05	Soil	TCL SVOCs and RCRA Metals, including Mercury	5/072019
RB-190506	J2769-06	Aqueous (RB)	TCL SVOCs and RCRA Metals, including Mercury	5/062019
RB-190507	J2769-07	Aqueous (RB)	TCL SVOCs and RCRA Metals, including Mercury	5/072019
RB-190508	J2769-08	Aqueous (RB)	TCL SVOCs and RCRA Metals, including Mercury	5/082019

DATA ASSESSMENT

ANALYSIS: SVOC

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples with holding time that has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATE COMPOUNDS

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured recovery limits were outside laboratory in-house control limits, qualifications were applied as per HW-22 (Revision 5), December 2010 to sample analytes as shown below.

For SVOCs, when two or more acid or two or more base/neutral surrogates recover outside acceptance limits, data validation qualifiers will be applied to the sample results. When

surrogate recoveries are <10 percent recovery (%R), detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be rejected (R). When surrogate recoveries are >10%R and less than the lower laboratory control limit, detected results of the same compound class (either acids or base/neutrals) will be estimated (J) and non-detected results will be estimated (UJ).

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):
MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Laboratory used different batch of sample for MS/MSD analyses. No action was required.

4. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per HW-22 (Revision 5), December 2010.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No contaminants were detected in rinsate blank RB-190507.

C) Tentatively Identified Compounds (TIC):

TICs were reported from the lowest dilution of each sample.

Laboratory artifact eluted around retention time 7.29 minutes was detected in method blank and associated soil samples. This laboratory artifact was rejected (R) for all the associated samples: P026-SS017-0002-01, P026-SS017-0206-01, P026-SS017-0612-01, P026-SS017-1218-01, and P026-SS017-1824-01.

5. MASS SPECTROMETER TUNING:
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:
Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum average relative response factor (RRF) criteria as specified in Method 8270D. If the RRF is less than minimum requirement for any target analyte, the undetected analyte result will be rejected (R) and the detected result estimated (J) for sample(s) associated the non-compliant calibration.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. If the RSD exceeds the method requirement for any target analyte, Method 8270D allows the laboratory to replot the calibration standards using a linear regression curve with an acceptance criterion of $r^2 = 0.99$. Percent D compares the response factor of the continuing calibration verification (CCV) standard to the mean RRF from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be ≤20% for all target analytes. For the opening or closing CCV, %D must be ≤20 for all target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated (J) and non-detects estimated (UJ) for %D values outside acceptance criteria. If %RSD exceeds 20, positive results may be estimated (J) and use professional judgment to qualify non-detects. Qualifications were applied to the sample analytes as shown below.

The laboratory only reported opening CCVs.

For initial calibration performed on May10, 2019 on BNA_F, the %RSD was greater than (>) 20 for 2,4-dinitrophenol, initial calibration performed on April 23, 2019 on BNA_G, the %RSD was >20 for benzaldehyde, and initial calibration performed on April 30, 2019 on BNA_M, the %RSD was >20 for 2,4-dinitrophenol. As per Method 8270D, these compounds were fit by linear regression and the correlation coefficients were >0.99; data qualifications were not applied.

The following sample results are associated with CCVs with %D exceeding criteria. Detects are qualified as estimated (J). Non-detects are qualified as estimated (UJ).

Calibration Date/Time	Calibration Type	Analyte	Affected Samples	Action (+/-)
5/11/2019@ 14:47	CCV	2-nitrophenol 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 4,6-Dinitro-2-Methylphenol	RB-190506 RB-190507 RB-190508	J/UJ
5/13/2019@ 12:10	CCV	2-nitrophenol Caprolactam 4,6-Dinitro-2-Methylphenol Butylbenzylphthalate Di-n-Octyl Phthalate	P026-SS017-0002-01 P026-SS017-0206-01	J/UJ
5/14/2019@ 12:25	CCV	2-Nitrophenol	P026-SS017-0012-01 P026-SS017-1218-01 P026-SS017-1824-01	J/UJ

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standard (IS) performance criteria ensures that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of -50% to 100% of the associated continuing calibration verification (CCV) internal standard area. The retention time of the internal standards must be within ± 0.5 minute of that in the associated CCV. If the area count is greater than the control limit, all detected results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the control limit, all detected results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "UJ" (if the area count is ≥ 20% and < 50%) or rejected (R) (if the area count is < 20% of the CCV IS area).

If an internal standard retention time was not within the control limits, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample analysis.

Qualifications were applied to sample analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Field duplicates were collected and analyzed as an overall indication of precision. This analysis measures both field and laboratory precision. A control limit of 50% for the RPD was used for original and duplicate sample values. For field duplicate analysis that did not meet the technical criteria, the action was applied to only the field sample and its duplicate.

Not Applicable

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and

secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

For all TICs where there was a presumptive evidence of a match as compared to the reference spectra (greater than or equal to [≥] 85% match), results were qualified as tentatively identified (JN) with approximated concentrations. TICs identified and reported by the laboratory with a poor match compared to the reference spectra (less than [<] 85% match) were changed to "Unknown" by the validator and results were qualified as estimated (J) (refer to qualified Form Is).

10. METHOD NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

The COC was reviewed by the data reviewer.

12. OTHERS PROBLEMS:

Laboratory control sample (LCS) PB119622BS and PB119670BS analyses: No problems were found for this criterion.

As per the case narrative, sample analysis was performed by Method 8270D. The laboratory used the %RSD less than or equal to (≤) 15 instead of 20% to assess the initial calibrations. The data validation and data qualifications were based on requirement of %RSD ≤20 established in Method 8270D and the EPA Region II data validation SOP.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following Form 1(s) are not used:

None

ANALYSIS: RCRA METALS (ICP-AES) and Mercury

The current SOPs HW-3B (Revision 1) September 2016, USEPA Region II for the evaluation of metals data generated through SW 846 Method 6010D and mercury data by Method 7471B, and the National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (based on ISM02.4) were followed for data qualifications.

1. HOLDING TIME AND PRESERVATION:
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) is not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days for metals and 28 days for mercury) or pH (<2) have not been

met will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION:
Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the inorganic target analyte list (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION:
A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION:
Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION:
Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Initial calibration blank and continuing calibration blank (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

Arsenic result in ICB (LB102678) is greater than or equal to method detection limits (MDLs) but less than or equal to contract required quantitation limits (CRQLs). Since, the associated sample results are greater than CRQL; Arsenic result in soil sample P026-SS017-1824-01 was qualified as non-detected (U) at the CRQL.

No contaminants were detected in rinsate blank RB-190507.

4. INTERFERENCE CHECK SAMPLE:
The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or less than true value -2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of aluminum, calcium, iron, and magnesium in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS:
The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

An MS/MSD analyses was performed on an aqueous and soil samples not reported in this data set. No qualifiers were applied based on this MS/MSD analyses.

6. DUPLICATE SAMPLE ANALYSIS:
The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% (for aqueous samples) and 35% (for soil samples) for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE:
Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the RPD shall be used for original and duplicate sample values ≥ five times (5x) the CRQL. A control limit of the 2 x CRQL for solid matrix shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

Not Applicable

8. LABORATORY CONTROL SAMPLE:
The laboratory control sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS recoveries must fall within the control limits of 70-130%, except for antimony and silver which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION:
The serial dilution of samples quantitated by inductively coupled plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the percent difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 20 %D. For a serial dilution analysis that does not meet the technical criteria, the action was applied to the field sample used to prepare the serial dilution sample.

Serial dilution analyses performed on aqueous and soil samples are not reported in this data set. No qualifiers were applied based on this serial dilution analyses.

10. PERCENT SOLIDS:
The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with solid content less than 50% are estimated (J/UJ). Qualifications were applied to the samples and analytes as shown below.

Sample P026-SS017-0002-01 had a solids content of <50%. All detected results were estimated and all non-detected results were estimated (UJ).

13. OTHER PROBLEMS:

Due to non-compliant MS/MSD results, the laboratory qualified silver with "N" qualifiers on all Form Is. Data reviewer removed the "N" qualifier from the Form Is and initialed the changes.

14. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are consolidated in one single report and the other report is marked as not to be used. The following sample results were reported from a dilution analysis.

None

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Lab Sample ID	K2769-01	K2769-02	K2769-03	K2769-04	K2769-05
Sample weight (g)	30.06	30.11	30.01	30.05	30.1
Moisture (%)	51.1	25.7	28.1	21.4	24.6
Dilution Factor	1	1	1	1	1
Semi-Volatile Organic Compounds (ug/kg)					
Benzaldehyde	200 U	130 U	140 U	120 U	130 U
Phenol	130 U	84 U	87.1 U	79.6 U	82.8 U
bis(2-Chloroethyl)ether	210 U	140 U	140 U	130 U	140 U
2-Chlorophenol	130 U	88.4 U	91.6 U	83.7 U	87.1 U
2-Methylphenol	140 U	94.2 U	97.6 U	89.2 U	92.8 U
2,2-oxybis(1-Chloropropane)	180 U	120 U	120 U	110 U	120 U
Acetophenone	190 U	120 U	130 U	120 U	120 U
3+4-Methylphenols	200 U	130 U	140 U	120 U	130 U
n-Nitroso-di-n-propylamine	280 U	180 U	190 U	170 U	180 U
Hexachloroethane	170 U	110 U	120 U	110 U	110 U
Nitrobenzene	88.4 U	58.1 U	60.2 U	55 U	57.3 U
Isophorone	74.8 U	49.2 U	51 U	46.6 U	48.5 U
2-Nitrophenol	160 UJ	100 UJ	110 UJ	96.9 UJ	100 UJ
2,4-Dimethylphenol	110 U	74 U	76.7 U	70.1 U	73 U
bis(2-Chloroethoxy)methane	100 U	69 U	71.5 U	65.3 U	68 U
2,4-Dichlorophenol	100 U	68.8 U	71.3 U	65.1 U	67.8 U
Naphthalene	100 U	66.7 U	69.2 U	63.2 U	65.8 U
4-Chloroaniline	280 U	180 U	190 U	170 U	180 U
Hexachlorobutadiene	120 U	81.5 U	84.5 U	77.2 U	80.3 U
Caprolactam	230 UJ	150 UJ	160 U	140 U	150 U
4-Chloro-3-methylphenol	120 U	79.3 U	82.3 U	75.1 U	78.2 U
2-Methylnaphthalene	130 U	82.5 U	85.5 U	78.1 U	81.3 U
Hexachlorocyclopentadiene	450 U	300 U	310 U	280 U	290 U
2,4,6-Trichlorophenol	120 U	81.1 U	84.1 U	76.8 U	79.9 U
2,4,5-Trichlorophenol	120 U	79.3 U	82.2 U	75.1 U	78.2 U
1,1-Biphenyl	210 U	140 U	140 U	130 U	140 U
2-Chloronaphthalene	150 U	100 U	100 U	95.7 U	99.6 U
2-Nitroaniline	140 U	93.2 U	96.7 U	88.3 U	91.9 U
Dimethylphthalate	**640 J**	**370 J**	**400 J**	**390 J**	**420 J**
Acenaphthylene	120 U	80.4 U	83.4 U	76.1 U	79.2 U
2,6-Dinitrotoluene	140 U	94.7 U	98.2 U	89.7 U	93.4 U
3-Nitroaniline	260 U	170 U	180 U	160 U	170 U
Acenaphthene	140 U	90.9 U	94.3 U	86.1 U	89.6 U
2,4-Dinitrophenol	180 U	120 U	120 U	110 U	120 U
4-Nitrophenol	130 U	86.6 U	89.8 U	82 U	85.4 U
Dibenzofuran	180 U	120 U	120 U	110 U	120 U
2,4-Dinitrotoluene	170 U	110 U	120 U	110 U	110 U
Diethylphthalate	130 U	84.8 U	87.9 U	80.3 U	83.6 U
4-Chlorophenyl-phenylether	170 U	110 U	120 U	110 U	110 U
Fluorene	100 U	68.3 U	70.8 U	64.7 U	67.3 U
4-Nitroaniline	180 U	120 U	120 U	110 U	120 U
4,6-Dinitro-2-methylphenol	140 UJ	93.6 UJ	97 U	88.7 U	92.3 U
n-Nitrosodiphenylamine	160 U	100 U	110 U	98.2 U	100 U
4-Bromophenyl-phenylether	120 U	75.6 U	78.4 U	71.6 U	74.5 U
Hexachlorobenzene	140 U	89.2 U	92.5 U	84.5 U	87.9 U
Atrazine	160 U	110 U	110 U	100 U	100 U
Pentachlorophenol	220 U	140 U	150 U	140 U	140 U
Phenanthrene	120 U	76.5 U	79.3 U	72.5 U	75.4 U
Anthracene	110 U	74.7 U	77.5 U	70.8 U	73.7 U
Carbazole	180 U	120 U	120 U	110 U	120 U
Di-n-butylphthalate	200 U	130 U	140 U	130 U	130 U
Fluoranthene	100 U	66.3 U	68.8 U	62.8 U	65.4 U
Pyrene	120 U	81.7 U	84.7 U	77.3 U	80.5 U
Butylbenzylphthalate	130 UJ	85.6 UJ	88.7 U	81 U	84.3 U
3,3-Dichlorobenzidine	300 U	200 U	210 U	190 U	200 U
Benzo(a)anthracene	76.7 U	50.4 U	52.3 U	47.8 U	49.7 U
Chrysene	86.8 U	57 U	59.1 U	54 U	56.2 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATE: May 7, 2019

Matrix	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Lab Sample ID	K2769-01	K2769-02	K2769-03	K2769-04	K2769-05
Sample weight (g)	30.06	30.11	30.01	30.05	30.1
Moisture (%)	51.1	25.7	28.1	21.4	24.6
Dilution Factor	1	1	1	1	1
Bis(2-ethylhexyl)phthalate	190 U	120 U	130 U	120 U	120 U
Di-n-octyl phthalate	150 UJ	95.6 UJ	99.1 U	90.5 U	94.2 U
Benzo(b)fluoranthene	99.3 U	65.2 U	67.6 U	61.8 U	64.3 U
Benzo(k)fluoranthene	110 U	75.5 U	78.3 U	71.5 U	74.4 U
Benzo(a)pyrene	90.5 U	59.5 U	61.6 U	56.3 U	58.6 U
Indeno(1,2,3-cd)pyrene	150 U	97 U	100 U	91.8 U	95.6 U
Dibenzo(a,h)anthracene	110 U	70.1 U	72.7 U	66.4 U	69.1 U
Benzo(g,h,i)perylene	120 U	81.9 U	84.9 U	77.6 U	80.8 U
1,2,4,5-Tetrachlorobenzene	160 U	100 U	110 U	99.3 U	100 U
1,4-Dioxane	240 U	160 U	160 U	150 U	150 U
2,3,4,6-Tetrachlorophenol	84.9 U	55.8 U	57.9 U	52.9 U	55 U

U: Not detected at the indicated concentration.

J: Estimated result.

Results reported to the MDL

Bolded result - Detected Value

µg/Kg = micrograms per kilogram

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 through 8, 2019

Matrix	Aqueous/Rinse Blank	Aqueous/Rinse Blank	Aqueous/Rinse Blank
Field Sample ID	RB-190507	RB-190507	RB-190508
Lab Sample ID	K2769-06	K2769-07	K2769-08
Dilution Factor	1	1	1
Semi-Volatile Organic Compounds (ug/L)			
Benzaldehyde	2.9 U	2.9 U	2.9 U
Phenol	2.2 U	2.2 U	2.2 U
bis(2-Chloroethyl)ether	3.4 U	3.4 U	3.4 U
2-Chlorophenol	2.5 U	2.5 U	2.5 U
2-Methylphenol	2.8 U	2.8 U	2.8 U
2,2-oxybis(1-Chloropropane)	3 U	3 U	3 U
Acetophenone	3.2 U	3.2 U	3.2 U
3+4-Methylphenols	3.4 U	3.4 U	3.4 U
n-Nitroso-di-n-propylamine	4.7 U	4.7 U	4.7 U
Hexachloroethane	2.9 U	2.9 U	2.9 U
Nitrobenzene	2.6 U	2.6 U	2.6 U
Isophorone	2.2 U	2.2 U	2.2 U
2-Nitrophenol	3.6 U	3.6 U	3.6 U
2,4-Dimethylphenol	2.8 U	2.8 U	2.8 U
bis(2-Chloroethoxy)methane	2.5 U	2.5 U	2.5 U
2,4-Dichlorophenol	2.3 U	2.3 U	2.3 U
Naphthalene	2.5 U	2.5 U	2.5 U
4-Chloroaniline	4.5 U	4.5 U	4.5 U
Hexachlorobutadiene	3.2 U	3.2 U	3.2 U
Caprolactam	3.4 U	3.4 U	3.4 U
4-Chloro-3-methylphenol	2.5 U	2.5 U	2.5 U
2-Methylnaphthalene	2.5 U	2.5 U	2.5 U
Hexachlorocyclopentadiene	7.6 U	7.6 U	7.6 U
2,4,6-Trichlorophenol	2.8 U	2.8 U	2.8 U
2,4,5-Trichlorophenol	2.8 U	2.8 U	2.8 U
1,1-Biphenyl	3.3 U	3.3 U	3.3 U
2-Chloronaphthalene	3 U	3 U	3 U
2-Nitroaniline	3.1 U	3.1 U	3.1 U
Dimethylphthalate	2.7 U	2.7 U	2.7 U
Acenaphthylene	2.7 U	2.7 U	2.7 U
2,6-Dinitrotoluene	3.1 U	3.1 U	3.1 U
3-Nitroaniline	4.2 U	4.2 U	4.2 U
Acenaphthene	2.8 U	2.8 U	2.8 U
2,4-Dinitrophenol	4.2 U	4.2 U	4.2 U
4-Nitrophenol	3.4 U	3.4 U	3.4 U
Dibenzofuran	3.2 U	3.2 U	3.2 U
2,4-Dinitrotoluene	3.1 U	3.1 U	3.1 U
Diethylphthalate	2.9 U	2.9 U	2.9 U
4-Chlorophenyl-phenylether	3.3 U	3.3 U	3.3 U
Fluorene	2.5 U	2.5 U	2.5 U
4-Nitroaniline	3.4 U	3.4 U	3.4 U
4,6-Dinitro-2-methylphenol	3.5 U	3.5 U	3.5 U
n-Nitrosodiphenylamine	2.9 U	2.9 U	2.9 U
4-Bromophenyl-phenylether	2.6 U	2.6 U	2.6 U
Hexachlorobenzene	2.7 U	2.7 U	2.7 U
Atrazine	2.9 U	2.9 U	2.9 U
Pentachlorophenol	4.3 U	4.3 U	4.3 U
Phenanthrene	2.5 U	2.5 U	2.5 U
Anthracene	2.5 U	2.5 U	2.5 U
Carbazole	3.2 U	3.2 U	3.2 U
Di-n-butylphthalate	3.7 U	3.7 U	3.7 U
Fluoranthene	2.9 U	2.9 U	2.9 U
Pyrene	2.5 U	2.5 U	2.5 U
Butylbenzylphthalate	3.1 U	3.1 U	3.1 U
3,3-Dichlorobenzidine	5 U	5 U	5 U
Benzo(a)anthracene	2.3 U	2.3 U	2.3 U
Chrysene	2.4 U	2.4 U	2.4 U
Bis(2-ethylhexyl)phthalate	3.6 U	3.6 U	3.6 U
Di-n-octyl phthalate	3.3 U	3.3 U	3.3 U

OTHER ANALYTE WORK TABLE

PROJECT: Route 203 Site

SAMPLING DATES: May 6 through 8, 2019

Matrix Field Sample ID Lab Sample ID Dilution Factor	Aqueous/Rinse Blank RB-190507 K2769-06 1	Aqueous/Rinse Blank RB-190507 K2769-07 1	Aqueous/Rinse Blank RB-190508 K2769-08 1
Benzo(b)fluoranthene	2.3 U	2.3 U	2.3 U
Benzo(k)fluoranthene	2.3 U	2.3 U	2.3 U
Benzo(a)pyrene	2.4 U	2.4 U	2.4 U
Indeno(1,2,3-cd)pyrene	3.3 U	3.3 U	3.3 U
Dibenzo(a,h)anthracene	2.6 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	2.6 U	2.6 U	2.6 U
1,2,4,5-Tetrachlorobenzene	3.1 U	3.1 U	3.1 U
1,4-Dioxane	3.6 U	3.6 U	3.6 U
2,3,4,6-Tetrachlorophenol	2.6 U	2.6 U	2.6 U

U: Not detected at the indicated concentration.

Results reported to the MDL

µg/L = micrograms per liter

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Cover Page

Order ID : K2769

Project ID : RFP 528

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
K2769-01	P026-SS017-0002-01
K2769-02	P026-SS017-0206-01
K2769-03	P026-SS017-0612-01
K2769-04	P026-SS017-1218-01
K2769-05	P026-SS017-1824-01
K2769-06	RB-190506
K2769-07	RB-190507
K2769-08	RB-190508

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED
Date: 5/16/2019
By Mildred V Reyes, QAQC Supervisor at 7:11 am, May 17, 2019

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2769
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 05/09/2019.
3 Water samples were received on 05/09/2019.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3510C/3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements.
The RPD met criteria except for 2,4-Dinitrophenol[23%] .
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF051019.M) for Hexacholorocyclopendadine,2,4-Dinitrophenol these compounds are passing on Linear regression.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BG042319.M) for Benzaldehyde is passing on Quadratic Regression and 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol these compound are passing on Linear regression.

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The %RSD is greater than 15% in the Initial Calibration (Method 8270-BM043019.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, these compound are passing on Linear regression.

The Continuous Calibration File ID BG040873.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Nitrophenol and 4,6-Dinitro-2-methylphenol .

The Continuous Calibration File ID BM020311.D met the requirements except for 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, Caprolactam, Di-n-octyl phthalate and 2,4,6-Tribromophenol .

The Continuous Calibration File ID BM020328.D met the requirements except for 2-Nitrophenol.The associate samples have no positive hit for these compounds, therefore no corrective action required.

The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for SVOC analysis for soil samples were not provided with this set of samples therefore lab used from another project.

Samples for MS/MSD for SVOC analysis for water samples were not provided with this set of samples.
The Blank Spike Duplicate is reported with the data.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vo)\,(Vi)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.

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Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
Df = Dilution factor
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)

Concentration of SOIL Sample:

Concentration ug/Kg,
(dry weight basis) = $\frac{(Ax)\ (Is)\ (Vt)\ (DF)\ (GPC)}{(Ais)\ (\overline{RRF})\ (Vi)\ (Wt)\ (D)}$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
V_i = Volume of extract injected in microliters (uL)
V_t = Volume of concentrated extract in microliters (uL)
W_t = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{RRF}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = $\frac{Vin}{Vout}$ = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

D = % dry weight or $\frac{100 - \%Moisture}{100}$

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:11 am, May 17, 2019

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

QA Control # A3040961

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

QA Control # A3040960

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: K2769

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: KALPANA RAYTHATTHA Date: 05/16/2019

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:11 am, May 17, 2019

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2769
Lab Sample ID:	K2769-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	51.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020322.D	1	05/13/19 08:48	05/13/19 18:45	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	670	ug/Kg
108-95-2	Phenol	130	U	130	670	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	210	670	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	670	ug/Kg
95-48-7	2-Methylphenol	140	U	140	670	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	670	ug/Kg
98-86-2	Acetophenone	190	U	190	670	ug/Kg
65794-96-9	3+4-Methylphenols	200	U	200	670	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	280	U	280	670	ug/Kg
67-72-1	Hexachloroethane	170	U	170	670	ug/Kg
98-95-3	Nitrobenzene	88.4	U	88.4	670	ug/Kg
78-59-1	Isophorone	74.8	U	74.8	670	ug/Kg
88-75-5	2-Nitrophenol	160	U J	160	670	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	670	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	670	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	670	ug/Kg
91-20-3	Naphthalene	100	U	100	670	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	670	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	670	ug/Kg
105-60-2	Caprolactam	230	U J	230	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	670	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	670	ug/Kg
77-47-4	Hexachlorocyclopentadiene	450	U	450	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	670	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	670	ug/Kg
92-52-4	1,1-Biphenyl	210	U	210	670	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	670	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	670	ug/Kg
131-11-3	Dimethylphthalate	640	J	100	670	ug/Kg
208-96-8	Acenaphthylene	120	U	120	670	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	670	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2769
Lab Sample ID:	K2769-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	51.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020322.D	1	05/13/19 08:48	05/13/19 18:45	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	260	U	260	670	ug/Kg
83-32-9	Acenaphthene	140	U	140	670	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	670	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	670	ug/Kg
132-64-9	Dibenzofuran	180	U	180	670	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	670	ug/Kg
84-66-2	Diethylphthalate	130	U	130	670	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	670	ug/Kg
86-73-7	Fluorene	100	U	100	670	ug/Kg
100-01-6	4-Nitroaniline	180	U	180	670	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U J	140	670	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	160	670	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	670	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	670	ug/Kg
1912-24-9	Atrazine	160	U	160	670	ug/Kg
87-86-5	Pentachlorophenol	220	U	220	670	ug/Kg
85-01-8	Phenanthrene	120	U	120	670	ug/Kg
120-12-7	Anthracene	110	U	110	670	ug/Kg
86-74-8	Carbazole	180	U	180	670	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	200	670	ug/Kg
206-44-0	Fluoranthene	100	U	100	670	ug/Kg
129-00-0	Pyrene	120	U	120	670	ug/Kg
85-68-7	Butylbenzylphthalate	130	U J	130	670	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	300	670	ug/Kg
56-55-3	Benzo(a)anthracene	76.7	U	76.7	670	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	670	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	670	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U J	150	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.3	U	99.3	670	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	670	ug/Kg
50-32-8	Benzo(a)pyrene	90.5	U	90.5	670	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	670	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	670	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2769
Lab Sample ID:	K2769-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	51.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020322.D	1	05/13/19 08:48	05/13/19 18:45	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	120	U	120	670	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	160	670	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	670	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.9	U	84.9	670	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	130		28 - 127	87%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.8		31 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.2		39 - 123	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 - 133	81%	SPK: 150
1718-51-0	Terphenyl-d14	56.8		37 - 115	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43015	7.76			
1146-65-2	Naphthalene-d8	146276	10.55			
15067-26-2	Acenaphthene-d10	92376	14.4			
1517-22-2	Phenanthrene-d10	222569	17.16			
1719-03-5	Chrysene-d12	234410	21.34			
1520-96-3	Perylene-d12	244774	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	7400	JB		7.29 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J N		18.04	ug/Kg
000295-17-0	Cyclotetradecane	1100	J N		21.04	ug/Kg
005454-48-8	Bromoacetic acid, hexadecyl ester	1000	J N		21.94	ug/Kg
~~021964-49-8~~	~~1,13-Tetradecadiene~~	230	J		22.63	ug/Kg
000629-94-7	Heneicosane	930	J N		22.9	ug/Kg
018992-03-5	Bromoacetic acid, octadecyl ester	690	J N		22.96	ug/Kg
067860-04-2	Oxirane, heptadecyl-	600	J N		23.81	ug/Kg
~~1000130-97-9~~	~~E-15-Heptadecenal~~	400	J		24.24	ug/Kg
007390-81-0	Oxirane, hexadecyl-	910	J N		25.37	ug/Kg
~~003399-27-7~~	~~Olean-13(18)-ene~~	2300	J		27.68	ug/Kg
058801-23-3	Hop-22(29)-en-3.beta.-ol	8000	J N		28.07	ug/Kg

6/11/19

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2769
Lab Sample ID:	K2769-01	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	51.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020322.D	1	05/13/19 08:48	05/13/19 18:45	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2769
Lab Sample ID:	K2769-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020325.D	1	05/13/19 08:48	05/13/19 20:33	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	440	ug/Kg
108-95-2	Phenol	84	U	84	440	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	440	ug/Kg
95-57-8	2-Chlorophenol	88.4	U	88.4	440	ug/Kg
95-48-7	2-Methylphenol	94.2	U	94.2	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	440	ug/Kg
98-86-2	Acetophenone	120	U	120	440	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	440	ug/Kg
67-72-1	Hexachloroethane	110	U	110	440	ug/Kg
98-95-3	Nitrobenzene	58.1	U	58.1	440	ug/Kg
78-59-1	Isophorone	49.2	U	49.2	440	ug/Kg
88-75-5	2-Nitrophenol	100	U J	100	440	ug/Kg
105-67-9	2,4-Dimethylphenol	74	U	74	440	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	69	U	69	440	ug/Kg
120-83-2	2,4-Dichlorophenol	68.8	U	68.8	440	ug/Kg
91-20-3	Naphthalene	66.7	U	66.7	440	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	440	ug/Kg
87-68-3	Hexachlorobutadiene	81.5	U	81.5	440	ug/Kg
105-60-2	Caprolactam	150	U J	150	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.3	U	79.3	440	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	440	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	300	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.1	U	81.1	440	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.3	U	79.3	440	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	440	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	440	ug/Kg
88-74-4	2-Nitroaniline	93.2	U	93.2	440	ug/Kg
131-11-3	Dimethylphthalate	370	J	67.7	440	ug/Kg
208-96-8	Acenaphthylene	80.4	U	80.4	440	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.7	U	94.7	440	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2769
Lab Sample ID:	K2769-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020325.D	1	05/13/19 08:48	05/13/19 20:33	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	440	ug/Kg
83-32-9	Acenaphthene	90.9	U	90.9	440	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	440	ug/Kg
100-02-7	4-Nitrophenol	86.6	U	86.6	440	ug/Kg
132-64-9	Dibenzofuran	120	U	120	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	440	ug/Kg
84-66-2	Diethylphthalate	84.8	U	84.8	440	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	440	ug/Kg
86-73-7	Fluorene	68.3	U	68.3	440	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.6	U	93.6	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	440	ug/Kg
101-55-3	4-Bromophenyl-phenylether	75.6	U	75.6	440	ug/Kg
118-74-1	Hexachlorobenzene	89.2	U	89.2	440	ug/Kg
1912-24-9	Atrazine	110	U	110	440	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	440	ug/Kg
85-01-8	Phenanthrene	76.5	U	76.5	440	ug/Kg
120-12-7	Anthracene	74.7	U	74.7	440	ug/Kg
86-74-8	Carbazole	120	U	120	440	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	440	ug/Kg
206-44-0	Fluoranthene	66.3	U	66.3	440	ug/Kg
129-00-0	Pyrene	81.7	U	81.7	440	ug/Kg
85-68-7	Butylbenzylphthalate	85.6	U	85.6	440	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	440	ug/Kg
56-55-3	Benzo(a)anthracene	50.4	U	50.4	440	ug/Kg
218-01-9	Chrysene	57	U	57	440	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	440	ug/Kg
117-84-0	Di-n-octyl phthalate	95.6	U	95.6	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	65.2	U	65.2	440	ug/Kg
207-08-9	Benzo(k)fluoranthene	75.5	U	75.5	440	ug/Kg
50-32-8	Benzo(a)pyrene	59.5	U	59.5	440	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97	U	97	440	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70.1	U	70.1	440	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2769
Lab Sample ID:	K2769-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	25.7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020325.D	1	05/13/19 08:48	05/13/19 20:33	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	81.9	U	81.9	440	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	440	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	440	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.8	U	55.8	440	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		28 - 127	88%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.8		31 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		39 - 123	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 - 133	88%	SPK: 150
1718-51-0	Terphenyl-d14	74.2		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	36817	7.76			
1146-65-2	Naphthalene-d8	123732	10.55			
15067-26-2	Acenaphthene-d10	78053	14.4			
1517-22-2	Phenanthrene-d10	187589	17.16			
1719-03-5	Chrysene-d12	212803	21.34			
1520-96-3	Perylene-d12	223025	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4800	JB		7.29 R	ug/Kg
000506-51-4	1-Tetracosanol	93	J N		21.04	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2769
Lab Sample ID:	K2769-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020331.D	1	05/13/19 08:48	05/14/19 14:14	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	140	U	140	460	ug/Kg
108-95-2	Phenol	87.1	U	87.1	460	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	460	ug/Kg
95-57-8	2-Chlorophenol	91.6	U	91.6	460	ug/Kg
95-48-7	2-Methylphenol	97.6	U	97.6	460	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	460	ug/Kg
98-86-2	Acetophenone	130	U	130	460	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	460	ug/Kg
67-72-1	Hexachloroethane	120	U	120	460	ug/Kg
98-95-3	Nitrobenzene	60.2	U	60.2	460	ug/Kg
78-59-1	Isophorone	51	U	51	460	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	460	ug/Kg
105-67-9	2,4-Dimethylphenol	76.7	U	76.7	460	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.5	U	71.5	460	ug/Kg
120-83-2	2,4-Dichlorophenol	71.3	U	71.3	460	ug/Kg
91-20-3	Naphthalene	69.2	U	69.2	460	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	460	ug/Kg
87-68-3	Hexachlorobutadiene	84.5	U	84.5	460	ug/Kg
105-60-2	Caprolactam	160	U	160	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.3	U	82.3	460	ug/Kg
91-57-6	2-Methylnaphthalene	85.5	U	85.5	460	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.1	U	84.1	460	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.2	U	82.2	460	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	460	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	460	ug/Kg
88-74-4	2-Nitroaniline	96.7	U	96.7	460	ug/Kg
131-11-3	Dimethylphthalate	400	J	70.2	460	ug/Kg
208-96-8	Acenaphthylene	83.4	U	83.4	460	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.2	U	98.2	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2769
Lab Sample ID:	K2769-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020331.D	1	05/13/19 08:48	05/14/19 14:14	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	180	U	180	460	ug/Kg
83-32-9	Acenaphthene	94.3	U	94.3	460	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	460	ug/Kg
100-02-7	4-Nitrophenol	89.8	U	89.8	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	460	ug/Kg
84-66-2	Diethylphthalate	87.9	U	87.9	460	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	460	ug/Kg
86-73-7	Fluorene	70.8	U	70.8	460	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	460	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97	U	97	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	460	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.4	U	78.4	460	ug/Kg
118-74-1	Hexachlorobenzene	92.5	U	92.5	460	ug/Kg
1912-24-9	Atrazine	110	U	110	460	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	460	ug/Kg
85-01-8	Phenanthrene	79.3	U	79.3	460	ug/Kg
120-12-7	Anthracene	77.5	U	77.5	460	ug/Kg
86-74-8	Carbazole	120	U	120	460	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	460	ug/Kg
206-44-0	Fluoranthene	68.8	U	68.8	460	ug/Kg
129-00-0	Pyrene	84.7	U	84.7	460	ug/Kg
85-68-7	Butylbenzylphthalate	88.7	U	88.7	460	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	460	ug/Kg
56-55-3	Benzo(a)anthracene	52.3	U	52.3	460	ug/Kg
218-01-9	Chrysene	59.1	U	59.1	460	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	460	ug/Kg
117-84-0	Di-n-octyl phthalate	99.1	U	99.1	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	67.6	U	67.6	460	ug/Kg
207-08-9	Benzo(k)fluoranthene	78.3	U	78.3	460	ug/Kg
50-32-8	Benzo(a)pyrene	61.6	U	61.6	460	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	460	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	72.7	U	72.7	460	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2769
Lab Sample ID:	K2769-03	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	28.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020331.D	1	05/13/19 08:48	05/14/19 14:14	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	84.9	U	84.9	460	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	460	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	460	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.9	U	57.9	460	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		28 - 127	95%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	89		31 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.5		39 - 123	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		30 - 133	91%	SPK: 150
1718-51-0	Terphenyl-d14	72.4		37 - 115	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	48921	7.76			
1146-65-2	Naphthalene-d8	161794	10.55			
15067-26-2	Acenaphthene-d10	98559	14.4			
1517-22-2	Phenanthrene-d10	228832	17.16			
1719-03-5	Chrysene-d12	260411	21.34			
1520-96-3	Perylene-d12	316382	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	5200	JB		7.29 R	ug/Kg
000293-96-9	Cyclodecane	390	J N		20.44	ug/Kg
~~1000282-97-3~~	~~Heptafluorobutanoic acid,-heptadec~~ unknown	130	J		21.04	ug/Kg
001617-70-5	Lup-20(29)-en-3-one	5100	J N		27.69	ug/Kg
058801-23-3	Hop-22(29)-en-3.beta.-ol	2900	J N		28.06	ug/Kg

8/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2769
Lab Sample ID:	K2769-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020332.D	1	05/13/19 08:48	05/14/19 14:51	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	120	U	120	420	ug/Kg
108-95-2	Phenol	79.6	U	79.6	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	420	ug/Kg
95-57-8	2-Chlorophenol	83.7	U	83.7	420	ug/Kg
95-48-7	2-Methylphenol	89.2	U	89.2	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	420	ug/Kg
98-86-2	Acetophenone	120	U	120	420	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	420	ug/Kg
98-95-3	Nitrobenzene	55	U	55	420	ug/Kg
78-59-1	Isophorone	46.6	U	46.6	420	ug/Kg
88-75-5	2-Nitrophenol	96.9	U	96.9	420	ug/Kg
105-67-9	2,4-Dimethylphenol	70.1	U	70.1	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	65.3	U	65.3	420	ug/Kg
120-83-2	2,4-Dichlorophenol	65.1	U	65.1	420	ug/Kg
91-20-3	Naphthalene	63.2	U	63.2	420	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	420	ug/Kg
87-68-3	Hexachlorobutadiene	77.2	U	77.2	420	ug/Kg
105-60-2	Caprolactam	140	U	140	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75.1	U	75.1	420	ug/Kg
91-57-6	2-Methylnaphthalene	78.1	U	78.1	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	280	U	280	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.8	U	76.8	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.1	U	75.1	420	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	420	ug/Kg
91-58-7	2-Chloronaphthalene	95.7	U	95.7	420	ug/Kg
88-74-4	2-Nitroaniline	88.3	U	88.3	420	ug/Kg
131-11-3	Dimethylphthalate	390	J	64.2	420	ug/Kg
208-96-8	Acenaphthylene	76.1	U	76.1	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.7	U	89.7	420	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2769
Lab Sample ID:	K2769-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020332.D	1	05/13/19 08:48	05/14/19 14:51	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	160	U	160	420	ug/Kg
83-32-9	Acenaphthene	86.1	U	86.1	420	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	420	ug/Kg
100-02-7	4-Nitrophenol	82	U	82	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	420	ug/Kg
84-66-2	Diethylphthalate	80.3	U	80.3	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	420	ug/Kg
86-73-7	Fluorene	64.7	U	64.7	420	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	88.7	U	88.7	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.2	U	98.2	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	71.6	U	71.6	420	ug/Kg
118-74-1	Hexachlorobenzene	84.5	U	84.5	420	ug/Kg
1912-24-9	Atrazine	100	U	100	420	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	420	ug/Kg
85-01-8	Phenanthrene	72.5	U	72.5	420	ug/Kg
120-12-7	Anthracene	70.8	U	70.8	420	ug/Kg
86-74-8	Carbazole	110	U	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	420	ug/Kg
206-44-0	Fluoranthene	62.8	U	62.8	420	ug/Kg
129-00-0	Pyrene	77.3	U	77.3	420	ug/Kg
85-68-7	Butylbenzylphthalate	81	U	81	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	420	ug/Kg
56-55-3	Benzo(a)anthracene	47.8	U	47.8	420	ug/Kg
218-01-9	Chrysene	54	U	54	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	420	ug/Kg
117-84-0	Di-n-octyl phthalate	90.5	U	90.5	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	61.8	U	61.8	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	71.5	U	71.5	420	ug/Kg
50-32-8	Benzo(a)pyrene	56.3	U	56.3	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.8	U	91.8	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.4	U	66.4	420	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2769
Lab Sample ID:	K2769-04	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	21.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020332.D	1	05/13/19 08:48	05/14/19 14:51	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	77.6	U	77.6	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.3	U	99.3	420	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.9	U	52.9	420	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	137		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.9		31 - 132	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.1		39 - 123	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 - 133	90%	SPK: 150
1718-51-0	Terphenyl-d14	73.8		37 - 115	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50691	7.76			
1146-65-2	Naphthalene-d8	165713	10.55			
15067-26-2	Acenaphthene-d10	101944	14.4			
1517-22-2	Phenanthrene-d10	241571	17.16			
1719-03-5	Chrysene-d12	270514	21.34			
1520-96-3	Perylene-d12	315471	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4700	JB		7.29 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	92.3	J N		18.03	ug/Kg
1000282-97-3	Heptafluorobutanoic acid, heptadec	210	J N		21.04	ug/Kg

ED 6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2769
Lab Sample ID:	K2769-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020333.D	1	05/13/19 08:48	05/14/19 15:28	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	U	130	440	ug/Kg
108-95-2	Phenol	82.8	U	82.8	440	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	440	ug/Kg
95-57-8	2-Chlorophenol	87.1	U	87.1	440	ug/Kg
95-48-7	2-Methylphenol	92.8	U	92.8	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	440	ug/Kg
98-86-2	Acetophenone	120	U	120	440	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	440	ug/Kg
67-72-1	Hexachloroethane	110	U	110	440	ug/Kg
98-95-3	Nitrobenzene	57.3	U	57.3	440	ug/Kg
78-59-1	Isophorone	48.5	U	48.5	440	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	440	ug/Kg
105-67-9	2,4-Dimethylphenol	73	U	73	440	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	68	U	68	440	ug/Kg
120-83-2	2,4-Dichlorophenol	67.8	U	67.8	440	ug/Kg
91-20-3	Naphthalene	65.8	U	65.8	440	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	440	ug/Kg
87-68-3	Hexachlorobutadiene	80.3	U	80.3	440	ug/Kg
105-60-2	Caprolactam	150	U	150	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.2	U	78.2	440	ug/Kg
91-57-6	2-Methylnaphthalene	81.3	U	81.3	440	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.9	U	79.9	440	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.2	U	78.2	440	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	440	ug/Kg
91-58-7	2-Chloronaphthalene	99.6	U	99.6	440	ug/Kg
88-74-4	2-Nitroaniline	91.9	U	91.9	440	ug/Kg
131-11-3	Dimethylphthalate	420	J	66.8	440	ug/Kg
208-96-8	Acenaphthylene	79.2	U	79.2	440	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.4	U	93.4	440	ug/Kg

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2769
Lab Sample ID:	K2769-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020333.D	1	05/13/19 08:48	05/14/19 15:28	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	170	U	170	440	ug/Kg
83-32-9	Acenaphthene	89.6	U	89.6	440	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	440	ug/Kg
100-02-7	4-Nitrophenol	85.4	U	85.4	440	ug/Kg
132-64-9	Dibenzofuran	120	U	120	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	440	ug/Kg
84-66-2	Diethylphthalate	83.6	U	83.6	440	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	440	ug/Kg
86-73-7	Fluorene	67.3	U	67.3	440	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	92.3	U	92.3	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	440	ug/Kg
101-55-3	4-Bromophenyl-phenylether	74.5	U	74.5	440	ug/Kg
118-74-1	Hexachlorobenzene	87.9	U	87.9	440	ug/Kg
1912-24-9	Atrazine	100	U	100	440	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	440	ug/Kg
85-01-8	Phenanthrene	75.4	U	75.4	440	ug/Kg
120-12-7	Anthracene	73.7	U	73.7	440	ug/Kg
86-74-8	Carbazole	120	U	120	440	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	440	ug/Kg
206-44-0	Fluoranthene	65.4	U	65.4	440	ug/Kg
129-00-0	Pyrene	80.5	U	80.5	440	ug/Kg
85-68-7	Butylbenzylphthalate	84.3	U	84.3	440	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	440	ug/Kg
56-55-3	Benzo(a)anthracene	49.7	U	49.7	440	ug/Kg
218-01-9	Chrysene	56.2	U	56.2	440	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	440	ug/Kg
117-84-0	Di-n-octyl phthalate	94.2	U	94.2	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	64.3	U	64.3	440	ug/Kg
207-08-9	Benzo(k)fluoranthene	74.4	U	74.4	440	ug/Kg
50-32-8	Benzo(a)pyrene	58.6	U	58.6	440	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.6	U	95.6	440	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	69.1	U	69.1	440	ug/Kg

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5

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2769
Lab Sample ID:	K2769-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	24.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM020333.D	1	05/13/19 08:48	05/14/19 15:28	PB119670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	80.8	U	80.8	440	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	440	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	440	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55	U	55	440	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	137		28 - 127	92%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.2		31 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		39 - 123	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		30 - 133	96%	SPK: 150
1718-51-0	Terphenyl-d14	81.7		37 - 115	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55994	7.76			
1146-65-2	Naphthalene-d8	177962	10.55			
15067-26-2	Acenaphthene-d10	108837	14.4			
1517-22-2	Phenanthrene-d10	255834	17.16			
1719-03-5	Chrysene-d12	289255	21.35			
1520-96-3	Perylene-d12	347690	23.63			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.29	4900	JB		7.29 R	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J N		18.03	ug/Kg
079392-43-1	Trifluoroacetic acid, n-octadecyl	270	J N		21.04	ug/Kg

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190506	SDG No.:	K2769
Lab Sample ID:	K2769-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040888.D	1	05/10/19 08:29	05/12/19 00:17	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	2.9	U	2.9	10	ug/L
108-95-2	Phenol	2.2	U	2.2	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	3.4	U	3.4	10	ug/L
95-57-8	2-Chlorophenol	2.5	U	2.5	10	ug/L
95-48-7	2-Methylphenol	2.8	U	2.8	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	3	U	3	10	ug/L
98-86-2	Acetophenone	3.2	U	3.2	10	ug/L
65794-96-9	3+4-Methylphenols	3.4	U	3.4	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	4.7	U	4.7	10	ug/L
67-72-1	Hexachloroethane	2.9	U	2.9	10	ug/L
98-95-3	Nitrobenzene	2.6	U	2.6	10	ug/L
78-59-1	Isophorone	2.2	U	2.2	10	ug/L
88-75-5	2-Nitrophenol	3.6	U J	3.6	10	ug/L
105-67-9	2,4-Dimethylphenol	2.8	U	2.8	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.5	U	2.5	10	ug/L
120-83-2	2,4-Dichlorophenol	2.3	U	2.3	10	ug/L
91-20-3	Naphthalene	2.5	U	2.5	10	ug/L
106-47-8	4-Chloroaniline	4.5	U	4.5	10	ug/L
87-68-3	Hexachlorobutadiene	3.2	U	3.2	10	ug/L
105-60-2	Caprolactam	3.4	U	3.4	10	ug/L
59-50-7	4-Chloro-3-methylphenol	2.5	U	2.5	10	ug/L
91-57-6	2-Methylnaphthalene	2.5	U	2.5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	7.6	U	7.6	10	ug/L
88-06-2	2,4,6-Trichlorophenol	2.8	U	2.8	10	ug/L
95-95-4	2,4,5-Trichlorophenol	2.8	U	2.8	10	ug/L
92-52-4	1,1-Biphenyl	3.3	U	3.3	10	ug/L
91-58-7	2-Chloronaphthalene	3	U	3	10	ug/L
88-74-4	2-Nitroaniline	3.1	U	3.1	10	ug/L
131-11-3	Dimethylphthalate	2.7	U	2.7	10	ug/L
208-96-8	Acenaphthylene	2.7	U	2.7	10	ug/L
606-20-2	2,6-Dinitrotoluene	3.1	U	3.1	10	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190506	SDG No.:	K2769
Lab Sample ID:	K2769-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040888.D	1	05/10/19 08:29	05/12/19 00:17	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	4.2	U	4.2	10	ug/L
83-32-9	Acenaphthene	2.8	U	2.8	10	ug/L
51-28-5	2,4-Dinitrophenol	4.2	U J	4.2	10	ug/L
100-02-7	4-Nitrophenol	3.4	U	3.4	10	ug/L
132-64-9	Dibenzofuran	3.2	U	3.2	10	ug/L
121-14-2	2,4-Dinitrotoluene	3.1	U J	3.1	10	ug/L
84-66-2	Diethylphthalate	2.9	U	2.9	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	3.3	U	3.3	10	ug/L
86-73-7	Fluorene	2.5	U	2.5	10	ug/L
100-01-6	4-Nitroaniline	3.4	U	3.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.5	U J	3.5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2.9	U	2.9	10	ug/L
101-55-3	4-Bromophenyl-phenylether	2.6	U	2.6	10	ug/L
118-74-1	Hexachlorobenzene	2.7	U	2.7	10	ug/L
1912-24-9	Atrazine	2.9	U	2.9	10	ug/L
87-86-5	Pentachlorophenol	4.3	U	4.3	10	ug/L
85-01-8	Phenanthrene	2.5	U	2.5	10	ug/L
120-12-7	Anthracene	2.5	U	2.5	10	ug/L
86-74-8	Carbazole	3.2	U	3.2	10	ug/L
84-74-2	Di-n-butylphthalate	3.7	U	3.7	10	ug/L
206-44-0	Fluoranthene	2.9	U	2.9	10	ug/L
129-00-0	Pyrene	2.5	U	2.5	10	ug/L
85-68-7	Butylbenzylphthalate	3.1	U	3.1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	5	10	ug/L
56-55-3	Benzo(a)anthracene	2.3	U	2.3	10	ug/L
218-01-9	Chrysene	2.4	U	2.4	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.6	U	3.6	10	ug/L
117-84-0	Di-n-octyl phthalate	3.3	U	3.3	10	ug/L
205-99-2	Benzo(b)fluoranthene	2.3	U	2.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	2.3	U	2.3	10	ug/L
50-32-8	Benzo(a)pyrene	2.4	U	2.4	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	U	3.3	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.6	U	2.6	10	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190506	SDG No.:	K2769
Lab Sample ID:	K2769-06	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040888.D	1	05/10/19 08:29	05/12/19 00:17	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.6	U	2.6	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	U	3.1	10	ug/L
123-91-1	1,4-Dioxane	3.6	U	3.6	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.6	U	2.6	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	66.1		10 - 130	44%	SPK: 150
13127-88-3	Phenol-d6	38.8		10 - 130	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.6		36 - 131	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.9		39 - 131	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		25 - 155	116%	SPK: 150
1718-51-0	Terphenyl-d14	96.6		23 - 130	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50756	8.13			
1146-65-2	Naphthalene-d8	203805	10.96			
15067-26-2	Acenaphthene-d10	147848	14.76			
1517-22-2	Phenanthrene-d10	421949	17.51			
1719-03-5	Chrysene-d12	437008	21.79			
1520-96-3	Perylene-d12	461296	25.14			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane,-2-methoxy-2-methyl-	67.4	JB		3.22	ug/L
	unknown7.66	89.9	J		7.66	ug/L
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	12.6	J N		18.15	ug/L
020170-32-5	3,5-di-tert-Butyl-4-hydroxyphenylp	24.9	J N		18.58	ug/L

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190507	SDG No.:	K2769
Lab Sample ID:	K2769-07	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040886.D	1	05/10/19 08:29	05/11/19 23:01	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	2.9	U	2.9	10	ug/L
108-95-2	Phenol	2.2	U	2.2	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	3.4	U	3.4	10	ug/L
95-57-8	2-Chlorophenol	2.5	U	2.5	10	ug/L
95-48-7	2-Methylphenol	2.8	U	2.8	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	3	U	3	10	ug/L
98-86-2	Acetophenone	3.2	U	3.2	10	ug/L
65794-96-9	3+4-Methylphenols	3.4	U	3.4	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	4.7	U	4.7	10	ug/L
67-72-1	Hexachloroethane	2.9	U	2.9	10	ug/L
98-95-3	Nitrobenzene	2.6	U	2.6	10	ug/L
78-59-1	Isophorone	2.2	U	2.2	10	ug/L
88-75-5	2-Nitrophenol	3.6	U J	3.6	10	ug/L
105-67-9	2,4-Dimethylphenol	2.8	U	2.8	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.5	U	2.5	10	ug/L
120-83-2	2,4-Dichlorophenol	2.3	U	2.3	10	ug/L
91-20-3	Naphthalene	2.5	U	2.5	10	ug/L
106-47-8	4-Chloroaniline	4.5	U	4.5	10	ug/L
87-68-3	Hexachlorobutadiene	3.2	U	3.2	10	ug/L
105-60-2	Caprolactam	3.4	U	3.4	10	ug/L
59-50-7	4-Chloro-3-methylphenol	2.5	U	2.5	10	ug/L
91-57-6	2-Methylnaphthalene	2.5	U	2.5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	7.6	U	7.6	10	ug/L
88-06-2	2,4,6-Trichlorophenol	2.8	U	2.8	10	ug/L
95-95-4	2,4,5-Trichlorophenol	2.8	U	2.8	10	ug/L
92-52-4	1,1-Biphenyl	3.3	U	3.3	10	ug/L
91-58-7	2-Chloronaphthalene	3	U	3	10	ug/L
88-74-4	2-Nitroaniline	3.1	U	3.1	10	ug/L
131-11-3	Dimethylphthalate	2.7	U	2.7	10	ug/L
208-96-8	Acenaphthylene	2.7	U	2.7	10	ug/L
606-20-2	2,6-Dinitrotoluene	3.1	U	3.1	10	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190507	SDG No.:	K2769
Lab Sample ID:	K2769-07	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040886.D	1	05/10/19 08:29	05/11/19 23:01	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	4.2	U	4.2	10	ug/L
83-32-9	Acenaphthene	2.8	U	2.8	10	ug/L
51-28-5	2,4-Dinitrophenol	4.2	UJ	4.2	10	ug/L
100-02-7	4-Nitrophenol	3.4	U	3.4	10	ug/L
132-64-9	Dibenzofuran	3.2	U	3.2	10	ug/L
121-14-2	2,4-Dinitrotoluene	3.1	UJ	3.1	10	ug/L
84-66-2	Diethylphthalate	2.9	U	2.9	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	3.3	U	3.3	10	ug/L
86-73-7	Fluorene	2.5	U	2.5	10	ug/L
100-01-6	4-Nitroaniline	3.4	U	3.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.5	UJ	3.5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2.9	U	2.9	10	ug/L
101-55-3	4-Bromophenyl-phenylether	2.6	U	2.6	10	ug/L
118-74-1	Hexachlorobenzene	2.7	U	2.7	10	ug/L
1912-24-9	Atrazine	2.9	U	2.9	10	ug/L
87-86-5	Pentachlorophenol	4.3	U	4.3	10	ug/L
85-01-8	Phenanthrene	2.5	U	2.5	10	ug/L
120-12-7	Anthracene	2.5	U	2.5	10	ug/L
86-74-8	Carbazole	3.2	U	3.2	10	ug/L
84-74-2	Di-n-butylphthalate	3.7	U	3.7	10	ug/L
206-44-0	Fluoranthene	2.9	U	2.9	10	ug/L
129-00-0	Pyrene	2.5	U	2.5	10	ug/L
85-68-7	Butylbenzylphthalate	3.1	U	3.1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	5	10	ug/L
56-55-3	Benzo(a)anthracene	2.3	U	2.3	10	ug/L
218-01-9	Chrysene	2.4	U	2.4	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.6	U	3.6	10	ug/L
117-84-0	Di-n-octyl phthalate	3.3	U	3.3	10	ug/L
205-99-2	Benzo(b)fluoranthene	2.3	U	2.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	2.3	U	2.3	10	ug/L
50-32-8	Benzo(a)pyrene	2.4	U	2.4	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	U	3.3	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.6	U	2.6	10	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190507	SDG No.:	K2769
Lab Sample ID:	K2769-07	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040886.D	1	05/10/19 08:29	05/11/19 23:01	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.6	U	2.6	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	U	3.1	10	ug/L
123-91-1	1,4-Dioxane	3.6	U	3.6	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.6	U	2.6	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	62.4		10 - 130	42%	SPK: 150
13127-88-3	Phenol-d6	38.1		10 - 130	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.6		36 - 131	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.4		39 - 131	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		25 - 155	115%	SPK: 150
1718-51-0	Terphenyl-d14	96.8		23 - 130	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51606	8.13			
1146-65-2	Naphthalene-d8	204158	10.95			
15067-26-2	Acenaphthene-d10	155540	14.76			
1517-22-2	Phenanthrene-d10	431017	17.51			
1719-03-5	Chrysene-d12	443234	21.79			
1520-96-3	Perylene-d12	471512	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	72.7	JB		3.22	ug/L
	unknown7.66	90.9	J		7.66	ug/L
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	8.8	J N		18.15	ug/L
020170-32-5	3,5-di-tert-Butyl-4-hydroxyphenylp	21.6	J N		18.58	ug/L
000301-02-0	9-Octadecenamide, (Z)-	8.2	J N		23.28	ug/L

6/14/19

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190508	SDG No.:	K2769
Lab Sample ID:	K2769-08	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040887.D	1	05/10/19 08:29	05/11/19 23:39	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	2.9	U	2.9	10	ug/L
108-95-2	Phenol	2.2	U	2.2	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	3.4	U	3.4	10	ug/L
95-57-8	2-Chlorophenol	2.5	U	2.5	10	ug/L
95-48-7	2-Methylphenol	2.8	U	2.8	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	3	U	3	10	ug/L
98-86-2	Acetophenone	3.2	U	3.2	10	ug/L
65794-96-9	3+4-Methylphenols	3.4	U	3.4	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	4.7	U	4.7	10	ug/L
67-72-1	Hexachloroethane	2.9	U	2.9	10	ug/L
98-95-3	Nitrobenzene	2.6	U	2.6	10	ug/L
78-59-1	Isophorone	2.2	U	2.2	10	ug/L
88-75-5	2-Nitrophenol	3.6	UJ	3.6	10	ug/L
105-67-9	2,4-Dimethylphenol	2.8	U	2.8	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.5	U	2.5	10	ug/L
120-83-2	2,4-Dichlorophenol	2.3	U	2.3	10	ug/L
91-20-3	Naphthalene	2.5	U	2.5	10	ug/L
106-47-8	4-Chloroaniline	4.5	U	4.5	10	ug/L
87-68-3	Hexachlorobutadiene	3.2	U	3.2	10	ug/L
105-60-2	Caprolactam	3.4	U	3.4	10	ug/L
59-50-7	4-Chloro-3-methylphenol	2.5	U	2.5	10	ug/L
91-57-6	2-Methylnaphthalene	2.5	U	2.5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	7.6	U	7.6	10	ug/L
88-06-2	2,4,6-Trichlorophenol	2.8	U	2.8	10	ug/L
95-95-4	2,4,5-Trichlorophenol	2.8	U	2.8	10	ug/L
92-52-4	1,1-Biphenyl	3.3	U	3.3	10	ug/L
91-58-7	2-Chloronaphthalene	3	U	3	10	ug/L
88-74-4	2-Nitroaniline	3.1	U	3.1	10	ug/L
131-11-3	Dimethylphthalate	2.7	U	2.7	10	ug/L
208-96-8	Acenaphthylene	2.7	U	2.7	10	ug/L
606-20-2	2,6-Dinitrotoluene	3.1	U	3.1	10	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190508	SDG No.:	K2769
Lab Sample ID:	K2769-08	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040887.D	1	05/10/19 08:29	05/11/19 23:39	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	4.2	U	4.2	10	ug/L
83-32-9	Acenaphthene	2.8	U	2.8	10	ug/L
51-28-5	2,4-Dinitrophenol	4.2	UJ	4.2	10	ug/L
100-02-7	4-Nitrophenol	3.4	U	3.4	10	ug/L
132-64-9	Dibenzofuran	3.2	U	3.2	10	ug/L
121-14-2	2,4-Dinitrotoluene	3.1	UJ	3.1	10	ug/L
84-66-2	Diethylphthalate	2.9	U	2.9	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	3.3	U	3.3	10	ug/L
86-73-7	Fluorene	2.5	U	2.5	10	ug/L
100-01-6	4-Nitroaniline	3.4	U	3.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.5	UJ	3.5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2.9	U	2.9	10	ug/L
101-55-3	4-Bromophenyl-phenylether	2.6	U	2.6	10	ug/L
118-74-1	Hexachlorobenzene	2.7	U	2.7	10	ug/L
1912-24-9	Atrazine	2.9	U	2.9	10	ug/L
87-86-5	Pentachlorophenol	4.3	U	4.3	10	ug/L
85-01-8	Phenanthrene	2.5	U	2.5	10	ug/L
120-12-7	Anthracene	2.5	U	2.5	10	ug/L
86-74-8	Carbazole	3.2	U	3.2	10	ug/L
84-74-2	Di-n-butylphthalate	3.7	U	3.7	10	ug/L
206-44-0	Fluoranthene	2.9	U	2.9	10	ug/L
129-00-0	Pyrene	2.5	U	2.5	10	ug/L
85-68-7	Butylbenzylphthalate	3.1	U	3.1	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	5	10	ug/L
56-55-3	Benzo(a)anthracene	2.3	U	2.3	10	ug/L
218-01-9	Chrysene	2.4	U	2.4	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.6	U	3.6	10	ug/L
117-84-0	Di-n-octyl phthalate	3.3	U	3.3	10	ug/L
205-99-2	Benzo(b)fluoranthene	2.3	U	2.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	2.3	U	2.3	10	ug/L
50-32-8	Benzo(a)pyrene	2.4	U	2.4	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	U	3.3	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.6	U	2.6	10	ug/L

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190508	SDG No.:	K2769
Lab Sample ID:	K2769-08	Matrix:	Water
Analytical Method:	SW8270	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG040887.D	1	05/10/19 08:29	05/11/19 23:39	PB119622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.6	U	2.6	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	U	3.1	10	ug/L
123-91-1	1,4-Dioxane	3.6	U	3.6	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.6	U	2.6	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.1		10 - 130	43%	SPK: 150
13127-88-3	Phenol-d6	38.9		10 - 130	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.2		36 - 131	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.4		39 - 131	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		25 - 155	117%	SPK: 150
1718-51-0	Terphenyl-d14	96.7		23 - 130	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56406	8.13			
1146-65-2	Naphthalene-d8	218107	10.96			
15067-26-2	Acenaphthene-d10	158434	14.76			
1517-22-2	Phenanthrene-d10	436645	17.51			
1719-03-5	Chrysene-d12	465307	21.78			
1520-96-3	Perylene-d12	488459	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	66.6	JB		3.22	ug/L
	unknown7.65	91.7	J		7.65	ug/L
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	7.3	J N		18.15	ug/L
020170-32-5	3,5-di-tert-Butyl-4-hydroxyphenylp	22.9	J N		18.58	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	K2769	**OrderDate:**	5/9/2019 9:55:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2769-01	**P026-SS017-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/13/19	05/13/19	
K2769-02	**P026-SS017-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/13/19	05/13/19	
K2769-03	**P026-SS017-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/13/19	05/14/19	
K2769-04	**P026-SS017-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/13/19	05/14/19	
K2769-05	**P026-SS017-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/13/19	05/14/19	
K2769-06	**RB-190506**	**Water**			**05/06/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/10/19	05/12/19	
K2769-07	**RB-190507**	**Water**			**05/07/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	
K2769-08	**RB-190508**	**Water**			**05/08/19**			**05/09/19**
			SVOC-TCL BNA -20	8270D		05/10/19	05/11/19	

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATE: May 7, 2019

SAMPLE #/CONCENTRATION (mg/Kg)

Matrix:	Soil	Soil	Soil	Soil	Soil
Field Sample ID	P026-SS017-0002-01	P026-SS017-0206-01	P026-SS017-0612-01	P026-SS017-1218-01	P026-SS017-1824-01
Lab Sample ID	K2769-01	K2769-02	K2769-03	K2769-04	K2769-05
Sample Weight (g)	2.45	2.44	2.38	2.39	2.38
(Hg weight, g)	0.58	0.57	0.56	0.57	0.58
% Solid	48.9	74.3	71.9	78.6	75.4
Dilution Factor	1	1	1	1	1
Inorganics					
Arsenic	**2.81 J**	**3.46**	**2.56**	**2.02**	1.11 U
Barium	**186 J**	**104**	**84.1**	**113**	**117**
Cadmium	0.04 UJ	0.026 U	0.028 U	0.026 U	0.027 U
Chromium	**6.64 J**	**9.17**	**11.3**	**6.64**	**8.09**
Lead	**25.2 J**	**22.9**	**13.1**	**11.3**	**5.78**
Mercury	**0.084 J**	**0.054**	**0.025**	**0.023**	**0.018**
Selenium	0.53 UJ	0.35 U	0.371 U	0.338 U	0.354 U
Silver	0.069 UJ	0.046 U	0.048 U	0.044 U	0.046 U

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

mg/Kg - milligram per Kilogram

OTHER ANALYTES WORK TABLE

PROJECT: Route 203Site

SAMPLING DATES: May 6 through 8, 2019

SAMPLE #/CONCENTRATION (ug/L)

Matrix:	Aqueous/Rinse Blank	Aqueous/Rinse Blank	Aqueous/Rinse Blank
Field Sample ID	RB-190506	RB-190507	RB-190508
Lab Sample ID	K2769-06	K2769-07	K2769-08
Dilution Factor	1	1	1
Inorganics			
Arsenic	**1.42 J**	0.676 U	0.676 U
Barium	3.99 U	3.99 U	3.99 U
Cadmium	0.173 U	0.173 U	0.173 U
Chromium	1.33 U	1.33 U	1.33 U
Lead	1.43 U	1.43 U	1.43 U
Mercury	**0.173 J**	0.043 U	0.043 U
Selenium	2.79 U	2.79 U	2.79 U
Silver	0.169 U	0.169 U	**0.3 J**

U - non-detected analyte

J - estimated value

Results reported to the MDL

Bolded result - Detected Value

ug/L - microgram per Liter

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 528
Project # N/A
Chemtech Project # K2769
Test Name: Metals ICP-RCRA,Mercury

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 05/09/2019.
3 Water samples were received on 05/09/2019.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB and SVOC-TCL BNA -20. This data package contains results for Metals ICP-RCRA,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-RCRA was based on method 6010D, digestion based on method 3050 (soils) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (RBR-200035MS) analysis met criteria for all samples except for Silver.
The Matrix Spike Duplicate (RBR-200035MSD) analysis met criteria for all samples except for Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Calculation:

1. Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

2. Calculation for ICP-AES Water Sample:

$$\text{Concentration or Result } (\mu g/L) = C \times \frac{V_f}{V_i} \times DF \times 1000$$

Where,
C = Instrument value in ppm (The average of all replicate exposures)
V_f = Final digestion volume (mL)
V_i = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

3. Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration } (mg/kg) = C \times \frac{V_f}{W \times S} \times DF \times 0.1$$

Where,
C = Instrument response in µg/L from the calibration curve.
V_f = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

4. Calculation for Hg Water Sample:

$$\text{Concentration or Result } (\mu g/L) = C \times DF$$

Where,
C = Instrument response in µg/L from the calibration curve.
DF = Dilution Factor

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 7:11 am, May 17, 2019

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0002-01	SDG No.:	K2769
Lab Sample ID:	K2769-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	48.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.81	J	1	0.323	1.67	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010
7440-39-3	Barium	186		1	0.696	8.35	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010
7440-43-9	Cadmium	0.04	U J	1	0.04	0.501	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010
7440-47-3	Chromium	6.64	J	1	0.257	0.835	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010
7439-92-1	Lead	25.2	J	1	0.086	1	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010
7439-97-6	Mercury	0.084	J	1	0.005	0.025	mg/Kg	05/13/19 10:38	05/13/19 12:46	SW7471B
7782-49-2	Selenium	0.53	U J	1	0.53	1.67	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010
7440-22-4	Silver	0.069	UN J	1	0.069	0.835	mg/Kg	05/10/19 10:07	05/10/19 18:56	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0206-01	SDG No.:	K2769
Lab Sample ID:	K2769-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	74.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.46		1	0.213	1.1	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010
7440-39-3	Barium	104		1	0.46	5.52	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.331	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010
7440-47-3	Chromium	9.17		1	0.17	0.552	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010
7439-92-1	Lead	22.9		1	0.057	0.662	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010
7439-97-6	Mercury	0.054		1	0.003	0.017	mg/Kg	05/13/19 10:38	05/13/19 12:49	SW7471B
7782-49-2	Selenium	0.35	U	1	0.35	1.1	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010
7440-22-4	Silver	0.046	UN	1	0.046	0.552	mg/Kg	05/10/19 10:07	05/10/19 19:00	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-0612-01	SDG No.:	K2769
Lab Sample ID:	K2769-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	71.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.56		1	0.226	1.17	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010
7440-39-3	Barium	84.1		1	0.487	5.84	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010
7440-43-9	Cadmium	0.028	U	1	0.028	0.351	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010
7440-47-3	Chromium	11.3		1	0.18	0.584	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010
7439-92-1	Lead	13.1		1	0.06	0.701	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010
7439-97-6	Mercury	0.025		1	0.003	0.017	mg/Kg	05/13/19 10:38	05/13/19 12:51	SW7471B
7782-49-2	Selenium	0.371	U	1	0.371	1.17	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010
7440-22-4	Silver	0.048	UN	1	0.048	0.584	mg/Kg	05/10/19 10:07	05/10/19 19:05	SW6010

65 6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1218-01	SDG No.:	K2769
Lab Sample ID:	K2769-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.02		1	0.206	1.06	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010
7440-39-3	Barium	113		1	0.444	5.32	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010
7440-43-9	Cadmium	0.026	U	1	0.026	0.319	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010
7440-47-3	Chromium	6.64		1	0.164	0.532	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010
7439-92-1	Lead	11.3		1	0.055	0.639	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010
7439-97-6	Mercury	0.023		1	0.003	0.016	mg/Kg	05/13/19 10:38	05/13/19 12:53	SW7471B
7782-49-2	Selenium	0.338	U	1	0.338	1.06	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010
7440-22-4	Silver	0.044	UN	1	0.044	0.532	mg/Kg	05/10/19 10:07	05/10/19 19:10	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	P026-SS017-1824-01	SDG No.:	K2769
Lab Sample ID:	K2769-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	75.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	0.588	J U	1	0.215	1.11	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010
7440-39-3	Barium	117		1	0.465	5.57	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010
7440-43-9	Cadmium	0.027	U	1	0.027	0.334	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010
7440-47-3	Chromium	8.09		1	0.171	0.557	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010
7439-92-1	Lead	5.78		1	0.058	0.669	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010
7439-97-6	Mercury	0.018		1	0.003	0.016	mg/Kg	05/13/19 10:38	05/13/19 12:55	SW7471B
7782-49-2	Selenium	0.354	U	1	0.354	1.11	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010
7440-22-4	Silver	0.046	UN	1	0.046	0.557	mg/Kg	05/10/19 10:07	05/10/19 19:14	SW6010

6/14/19

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/06/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190506	SDG No.:	K2769
Lab Sample ID:	K2769-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	1.42	J	1	0.676	10	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010
7440-39-3	Barium	3.99	U	1	3.99	50	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010
7440-43-9	Cadmium	0.173	U	1	0.173	3	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010
7440-47-3	Chromium	1.33	U	1	1.33	5	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010
7439-92-1	Lead	1.43	U	1	1.43	6	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010
7439-97-6	Mercury	0.173	J	1	0.043	0.2	ug/L	05/10/19 12:06	05/10/19 17:57	SW7470A
7782-49-2	Selenium	2.79	U	1	2.79	10	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010
7440-22-4	Silver	0.169	U	1	0.169	5	ug/L	05/10/19 11:41	05/10/19 17:55	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/07/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190507	SDG No.:	K2769
Lab Sample ID:	K2769-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	0.676	U	1	0.676	10	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010
7440-39-3	Barium	3.99	U	1	3.99	50	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010
7440-43-9	Cadmium	0.173	U	1	0.173	3	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010
7440-47-3	Chromium	1.33	U	1	1.33	5	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010
7439-92-1	Lead	1.43	U	1	1.43	6	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010
7439-97-6	Mercury	0.043	U	1	0.043	0.2	ug/L	05/10/19 12:06	05/10/19 17:59	SW7470A
7782-49-2	Selenium	2.79	U	1	2.79	10	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010
7440-22-4	Silver	0.169	U	1	0.169	5	ug/L	05/10/19 11:41	05/10/19 18:00	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	05/08/19
Project:	RFP 528	Date Received:	05/09/19
Client Sample ID:	RB-190508	SDG No.:	K2769
Lab Sample ID:	K2769-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	0.676	U	1	0.676	10	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010
7440-39-3	Barium	3.99	U	1	3.99	50	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010
7440-43-9	Cadmium	0.173	U	1	0.173	3	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010
7440-47-3	Chromium	1.33	U	1	1.33	5	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010
7439-92-1	Lead	1.43	U	1	1.43	6	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010
7439-97-6	Mercury	0.043	U	1	0.043	0.2	ug/L	05/10/19 12:06	05/10/19 18:02	SW7470A
7782-49-2	Selenium	2.79	U	1	2.79	10	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010
7440-22-4	Silver	0.3	J	1	0.169	5	ug/L	05/10/19 11:41	05/10/19 18:04	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS RCRA				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	K2769	**OrderDate:**	5/9/2019 9:55:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 528
Contact:	Smita Sumbaly	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
K2769-01	**P026-SS017-0002-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-02	**P026-SS017-0206-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-03	**P026-SS017-0612-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-04	**P026-SS017-1218-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-05	**P026-SS017-1824-01**	**SOIL**			**05/07/19**			**05/09/19**
			Mercury	7471B		05/13/19	05/13/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-06	**RB-190506**	**Water**			**05/06/19**			**05/09/19**
			Mercury	7470A		05/10/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-07	**RB-190507**	**Water**			**05/07/19**			**05/09/19**
			Mercury	7470A		05/10/19	05/10/19	
			Metals ICP-RCRA	6010D		05/10/19	05/10/19	
K2769-08	**RB-190508**	**Water**			**05/08/19**			**05/09/19**
			Mercury	7470A		05/10/19	05/10/19	

CHEMTECH

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LAB CHRONICLE

Metals ICP-RCRA	6010D	05/10/19	05/10/19

SHIPPING DOCUMENTS

K2769

8

8.1

USEPA
DateShipped: 5/9/2019
CarrierName: Hand Delivered
AirbillNo: NA

CHAIN OF CUSTODY RECORD
Site #: 528
Contact Name: Michael Lang
Contact Phone: 908-565-2974

No: 2-050919-0370-0083-0001
Cooler #: ~~8~~ 7
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Matrix	Analyses	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P026-SS017-0002-01	P026-SS016	Soil	RCRA Metals (Solid)	5/7/2019	10:56	1	8 oz glass	4 C	N
	P026-SS017-0002-01	P026-SS016	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	10:56	1	8 oz glass	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:08	1	8 oz glass	4 C	N
	P026-SS017-0206-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:08	1	8 oz glass	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:12	1	8 oz glass	4 C	N
	P026-SS017-0612-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:12	1	8 oz glass	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:16	1	8 oz glass	4 C	N
	P026-SS017-1218-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:16	1	8 oz glass	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	RCRA Metals (Solid)	5/7/2019	11:20	1	8 oz glass	4 C	N
	P026-SS017-1824-01	P026-SS017	Soil	TCL SVOCs, PCBs (Solid)	5/7/2019	11:20	1	8 oz glass	4 C	N
	RB-190506	RB-190506	DI Water	PCBs (Aq)	5/6/2019	17:40	1	1 liter amber	4 C	N
	RB-190506	RB-190506	DI Water	RCRA Metals (Aq)	5/6/2019	17:40	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190506	RB-190506	DI Water	TCL SVOCs (Aq)	5/6/2019	17:40	1	1 liter amber	4 C	N
	RB-190507	RB-190507	DI Water	PCBs (Aq)	5/7/2019	15:45	1	1 liter amber	4 C	N
	RB-190507	RB-190507	DI Water	RCRA Metals (Aq)	5/7/2019	15:45	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190507	RB-190507	DI Water	TCL SVOCs (Aq)	5/7/2019	15:45	1	1 liter amber	4 C	N
	RB-190508	RB-190508	DI Water	PCBs (Aq)	5/8/2019	11:00	1	1 liter amber	4 C	N
	RB-190508	RB-190508	DI Water	RCRA Metals (Aq)	5/8/2019	11:00	1	500 mL poly	4 C, HNO3 pH<2	N
	RB-190508	RB-190508	DI Water	TCL SVOCs (Aq)	5/8/2019	11:00	1	1 liter amber	4 C	N

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and michael.lang@westonsolutions.com. 7 day hardcopy TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	[signature] Weston RST	5/9/2019 900	[signature]	5-9-19 0955	2-3°C

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP		Page__of__
Received By (Print Name) GORGE NEGRON		Log-In Date 5/9/2019
Received By (Signature)		
Case Number RFP 528	SDG No. P026-SS017-0002-01	MA No. ~~0100105~~ SC

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	~~Present~~ N/A
5. Airbill No.	N/A
6. Sample Tags Sample Tag #	Absent Listed on Traffic Report
7. Sample Condition	Intact
8. Shipping Container Temperature Indicator Bottle	Present
9. Shipping Container Temperature	2.7 Degree C
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	05/09/2019
12. Time Received	09:35

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample shipment, etc.
1	P026-SS017-0002		K2769-01	Intact
2	P026-SS017-0206		K2769-02	Intact
3	P026-SS017-0612		K2769-03	Intact
4	P026-SS017-1218		K2769-04	Intact
5	P026-SS017-1824		K2769-05	Intact
6	RB-190506		K2769-06	Intact
7	RB-190507		K2769-07	Intact
8	RB-190508		K2769-08	Intact
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

* Contact SMO and attach record of resolution

Reviewed By	SC	Logbook No.	
Date	5-9-19	Logbook Page No.	

SOM02.4 (10/2016) FORM DC-1