FINAL
REMOVAL ASSESSMENT REPORT
Dededo Waste Piles Removal Assessment
Dededo, Guam

Prepared for:

U.S. Environmental Protection Agency
Region 9

EPA Contract Number: 68HE0919D0002
Task Order No.: 68HE0919F0112
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LIST OF ABBREVIATIONS AND ACRONYMS

PID	photoionization detector
%	percent
°C	degrees Celsius
°F	degrees Fahrenheit
µg/kg	micrograms per kilogram
ACM	asbestos-containing material
ags	above ground surface
AST	above-ground storage tank
CFR	Code of Federal Regulations
cy	cubic yards
DCN	Document Control Number
DEQ	Department of Environmental Quality
DWTS	Dededo Waste Transfer Station
EA	EA Engineering, Science, and Technology, Inc.
EPA	U.S. Environmental Protection Agency
ERRS	Emergency and Rapid Response Services
FOSC	Federal On-Scene Coordinator
ft	feet
GPS	Global Positioning System
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NOAA	National Oceanic and Atmospheric Administration
PCB	polychlorinated biphenyl
PM	Project Manager
RCRA	Resource Conservation and Recovery Act
RPD	relative percent difference
RSL	Regional Screening Level
SAP	Sampling and Analysis Plan
SOP	Standard Operating Procedure
START	Superfund Technical Assessment and Response Team
SVOC	semivolatile organic compound
TCLP	toxicity characteristic leaching procedure
TPESL	Tropical Pacific Environmental Screening Levels
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
TPH-mo	total petroleum hydrocarbons as motor oil
TSCA	Toxic Substances Control Act
USGS	U.S. Geologic Survey
VOC	volatile organic compound
WESTON®	Weston Solutions, Inc.

1. INTRODUCTION

The U.S. Environmental Protection Agency (EPA) Region 9 Federal On-Scene Coordinators (FOSCs) Harry Allen and Jason Musante tasked Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START) to support waste pile characterization at the Dededo Waste Transfer Station (DWTS) in Dededo, Guam, hereafter referred to as the Site (Figure 1). This removal .assessment was conducted under the WESTON EPA Region 9 START contract number 68HE0919D0002 and under Task Order Number 68HE0919F0112.

The removal assessment was conducted from September 30 to October 3, 2019 under the direction of FOSCs Jason Musante and Harry Allen. The assessment included documenting current site conditions and conducting soil samples from waste piles.

The following table lists the contact information of key personnel present during the investigation.

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2. SITE BACKGROUND

This section provides the Site description and history.

2.1 SITE DESCRIPTION

The Site is located in a rural area of Guam, near the village of Dededo, Guam (Figure 1). The Site occupies the northern half of Lot No. 10122-3-R1 (Lot), owned by the Chamorro Land Trust Commission, and lies to the northwest of the intersection of Marine Corps Drive and Bartolu Street. The lot dimensions are approximately 300 by 600 feet (ft), or 4 acres, and the Site dimensions are approximately 300 by 300 ft, or 2 acres in the northern half of the Lot. The Site is bounded to the north by Global Recycling Center, to the east by Bartolu Street and farmland beyond that, to the south by the former Dededo Transfer Station, and to the west by waste piles likely associated with the former Dededo Transfer Station. The Dededo Substation and Guam Power Authority lie beyond, to the west (Figure 2). The Site is fenced, gated along Bartolu Street, and appears abandoned, overgrown with vegetation, and vulnerable to unauthorized access.

Five areas of concern were identified at the Site, based on five waste pile locations, previous investigations, and publicly available satellite images. These areas of concern are referred to hereafter as the Areas and are identified as Area 1, Area 2, Area 3, Area 4, and Area 5 (Figure 2). The Site is under Guam EPA compliance action related to solid and potential hazardous waste and petroleum product contamination (EA Engineering, Science, and Technology, Inc. [EA], 2014).

An access road leads through the center of the Site from east to west, starting at the gate on Bartolu Street and becoming overgrown with vegetation about 75 ft from the western edge of the Site. A second access road starts at the center of the Site, where it intersects the first access road and leads north before terminating at the northern edge of the Site at the base of a large waste pile associated with the Global Recycling Center to the north. Using the intersection of the two access roads as the center of the approximately square Site, Area 1 and Area 2 lie in the northeast quadrant; Area 3 and Area 4 lie in the northwest quadrant; and Area 5, the tire pile, lies in the southwest quadrant.

A concrete structure stands in the western area of the Site, to the south of Area 3 and to the northwest of Area 4. The structure is assumed to be associated with the former grinder area (EA, 2014) and is referred to as the grinder building. No other structures remain at the Site, though some concrete pads associated with the waste transfer station remain. An empty metal conex box lies near the center of the Site, along the east side of the north-south oriented access road. Two concrete telephone poles stand on the Site; one stands between Areas 1 and 2, and the other stands on the east side of Area 3. An empty above-ground storage tank (AST) was found between Areas 1 and 2, to the west of the telephone pole. An open concrete reservoir filled with water was found to the southeast of Area 3. The pile boundaries for Area 1 and Area 4 are approximately the same as the Area boundaries, while Area 2 has a large, distinct waste pile within the larger Area, and Area 3 contains a smaller distinct waste pile within the larger area, which has variable depths of debris spread throughout (Figure 3). Area 5 is overgrown with vegetation and contains only tires.

2.2 SITE HISTORY

The Site and surrounding areas have been used as storage and staging areas for typhoon debris as well as tire, solid waste, household debris, and white goods. A series of private solid waste recycling companies have occupied the Site. Historical satellite images show that the Site and surrounding area, especially to the west of the Lot, were extensively used to store solid waste and debris (Figure 4). The access roads currently on the Site are remnants of the formerly more extensive access road network, which has been overgrown with vegetation.

2.3 GEOLOGICAL INFORMATION

The island of Guam resides in the southernmost portion of the Mariana Islands on a Cenozoic volcanic rock formation, with limestone covering approximately 60 percent (%) of its surface area. The northern half of the island consists of a broad limestone plateau bounded by cliffs. The southern half of the island is a dissected volcanic upland flanked with limestone along the east coast of the island (U.S. Geological Survey [USGS, 1971]). The two distinct physiographic provinces are separated by the Adelup Fault, a geologic fault line that extends from Pago Bay to the settlement of Adelup in the west of Guam. The volcanic rock has low permeability, while the limestone is highly permeable due to its high porosity. The highly porous Mariana Limestone, a Pliocene to Pleistocene granular limestone, covers much of the northern half and parts of the southeastern area of Guam, accounting for approximately 45% of the surface area (Gingerich, 2003). Streams are only present in the south where low-permeability volcanic rocks reduce the infiltration of rainwater and allow groundwater to discharge into streams. In northern Guam, the exposed porous limestone at the surface allows rainfall to infiltrate the rock, leading to a lack of surface run-off (Gingerich, 2003).

Dededo is located in the northern portion of Guam and is underlain by the Mariana and Barrigaga Limestone features. Soils in this area are classified by the United States Department of Agriculture as “Guam cobbly clay loam.” The Site is underlain by the Basal Aquifer, which is a karst aquifer of beneficial use (EA, 2014). Groundwater at the Site is expected to be present at a depth of approximately 360 ft below ground surface at the Site (EA, 2014). Soil at the Site is a mix of brown soil and rusty red clay. High calcium carbonate content was observed throughout the Site, associated with the limestone bedrock as well as white coral or limestone fill.

2.4 CLIMATE INFORMATION

Guam has a warm tropical climate with two different seasons. The dry season is from December to April, and the rainy season is from April to December with highest rainfall totals between the months of July and October (National Oceanic and Atmospheric Administration [NOAA], 2019). The annual average humidity is 78%, and monthly average humidity ranges between the minimum of 73% in March and the maximum of 83% in September (Time and Date, 2019). Annual total precipitation for Guam is 97.64 inches. The mean maximum temperature is 86.5 degrees Fahrenheit (°F), and the mean minimum temperature is 76.4 °F. Temperatures remain similar throughout the year (NOAA, 2019).

2.5 PREVIOUS INVESTIGATIONS

ARC Environmental Services conducted a Phase I Investigation at the Dededo Waste Transfer Station in September 2011. In March 2014, EA conducted a Phase II Site Assessment at the Site (EA, 2014).

EA excavated a total of 38 test pits in the waste piles at the Site. Test pit results indicated waste comingled with native soil to a depth of 1.5 to 3 ft below the original grade of the Site. Of the samples collected below grade in test pits at the Site, two exceeded screening levels for chromium, and one exceeded screening levels for lead.

EA collected 31 composite soil samples from the test pits within the waste piles. Test pit samples collected by EA were analyzed for total metals, Toxicity Characteristic Leaching Procedure (TCLP) metals, total petroleum hydrocarbons (TPH), and polychlorinated biphenyls (PCBs). Results were compared to Tropical Pacific Environmental Screening Levels (TPESL) and TCLP regulatory levels (Code of Federal Regulations [CFR] Title 40 Part 261.24). Lead exceeded screening levels in all but two of the composite samples at concentrations up to 151,000 milligrams per kilogram (mg/kg). Eighteen of the composite test pit soil samples were analyzed for TCLP lead, and three samples exceeded the Resource Conservation and Recovery Act (RCRA) regulatory levels of 5 milligrams per liter (mg/L), with results ranging from 5 to 6.3 mg/L. Chromium was detected above the TPESL (1,100 mg/kg) at one location at a concentration of 1,110 mg/kg; all chromium TCLP results fell below the detection limit of 0.0021 mg/L. Barium was detected above the TPESL (2,500 mg/kg) at one location at a concentration of 2,950 mg/kg; all barium TCLP results fell below the 100 mg/L threshold. PCBs were detected at seven locations, with results exceeding the TPESL of 7.4 mg/kg at all seven locations, with concentrations ranging from 7.6 to 96 mg/kg (EA, 2014).

EA collected three waste characterization samples from the Site. Lead was detected above the lowest action level, the TPESL (800 mg/kg), in two samples at 3,570 mg/kg and 5,840 mg/kg, respectively; both of these samples are located in Area 2. PCBs were detected in two waste characterization samples (the same two as where lead was detected) at 7.1 mg/kg and 15.6 mg/kg. None of the three samples exceeded the TCLP for any metals (EA, 2014).

EA collected 23 discrete surface soil samples at the Site, near a former AST, a spill area near the grinder area, and discolored surface soil areas. No metals or PCBs were detected above the respective TPESLs. The only environmental contaminants detected above action levels in the surface soil samples were TPH-d (13 samples; 102 to 11,000 mg/kg) and TPH-mo (10 samples; 1,250 to 72,800 mg/kg). The highest TPH values were found in samples clustered around the former grinder pad area in the western region of the Site (EA, 2014).

EA concluded that the solid waste present at the Site does not conform to the Guam EPA solid waste disposal regulations under 22 Guam Administrative Rules, Division 4, Chapter 20, Section 20101. The volume of the surface waste is estimated at around 21,000 cubic yards, with some fraction potentially exceeding RCRA disposal thresholds for hazardous waste (EA, 2014). EA's volume estimate includes a 50-ft buffer area extending north of the Lot boundary and a 25-ft buffer area extending west of the Lot boundary, both of which are outside the Site boundary for this Removal Assessment Report.

3. REMOVAL ASSESSMENT ACTIVITIES

This section discusses activities undertaken by START at the Site. The objective of the removal assessment was to identify hazardous and non-hazardous waste streams for removal of the waste piles present at the DWTS. Removal Assessment activities were performed in accordance with the *Sampling and Analysis Plan, Dededo Waste Transfer Station Removal Assessment,* Dededo, Guam (WESTON, 2019).

The September 30 to October 3, 2019 assessment activities were conducted under the direction of FOSCs Harry Allen and Jason Musante.

3.1 SITE RECONNAISSANCE AND OBSERVATIONS

START arrived on the Site on September 30, 2019 for a preliminary Site walk with Guam EPA after receiving Site access. The Site was fenced and gated, but access could be obtained through a gap in the gate. Reportedly there was some trespassing and vandalism at the Site, when internal fencing was stolen. Some dumping of garbage was also evident just inside the Site gate. A stray dog was observed entering and leaving the Site.

Waste piles at the Site were observed to be covered with thick vegetation, preventing any access to or estimation of pile heights or volumes without clearing of the vegetation. High mosquito activity was observed at the Site, likely stemming from the heavy vegetation, and the availability of standing water, primarily in tires in Area 5 and in a concrete box reservoir southeast of Area 3.

A waste pile associated with the Global Recycling Center to the north of the Site was observed just beyond the northern Lot border. Two concrete telephone poles stand on the Site; one stands between Areas 1 and 2, and the other stands on the east side of Area 3. An empty, metal, approximately 1500 gallon AST marked as used oil was found between Areas 1 and 2, to the west of the telephone pole. Over the course of the clearing of the vegetation, several unmarked compressed gas cylinders of various sizes were found.

A Site survey with the MultiRae Pro photoionization detector showed background levels for oxygen, carbon monoxide, volatile organic compounds (VOCs), lower explosive limit, hydrogen sulfide, and gamma radiation. A concrete structure was observed on the west side of the Site, in the former grinder area, and is referred to as the grinder building (Figure 3). No other structures were observed at the Site. See Appendix A for photographs of Site activities and Site conditions.

Emergency and Rapid Response Services (ERRS) personnel utilized a backhoe and hand tools to clear vegetation around the waste piles. The backhoe was also used to break and drain the concrete box reservoir of standing water. The mosquito burden diminished over the course of the assessment activities as vegetation was cleared and availability of standing water reduced.

3.2 PILE SURVEY

A pile survey was conducted for each of the piles at the Site. A field global positioning system (GPS) unit was used to mark the boundaries of the waste piles at the Site, and rough field approximations of the height of the waste above ground surface (ags) were noted in field

logbooks. A backhoe was utilized to excavate multiple trenches in each of the waste piles in order to expose the interior composition of each pile. This information, in combination with the field team's observations and publically available satellite images, was used to produce a map of the waste distribution throughout the Site (Figure 3). The ground surface was taken to be the height where native soil was seen to interface with waste material. Figure 3 displays the estimated horizontal and vertical extent of the waste piles and Figure 4 identifies the sampling trench locations. See Appendix A for photographs of the waste piles and sampling trenches.

Area 1

Area 1 contained a waste pile approximately 4 to 5 ft in height. An empty conex box was oriented north to south along the eastern edge of the pile. The waste was a mix of non-compacted white goods, metal scrap, glass, plastics, electronic waste, and lightbulbs, with a layer of mixed small particulate debris and approximately 1 ft of soil at the bottom of the pile. Discrete soil samples were collected from three sampling trenches dug east-west through the pile. The pile was estimated to be 30% soil and 70% large debris by volume.

Area 2

Area 2 was to the northeast of Area 1 and contained a large oblong waste pile, approximately 17 ft high at the highest point, composed of soil mixed with small, presumably shredded debris and some larger auto fluff. The pile ran north to south, forming a distinct waste pile. The soil was brown and often contained flecks of bluish and whitish material. Five vertical trenches were excavated along the north-to-south face of the waste pile. The five sampling trenches were approximately 25 ft apart, for a total length of approximately 100 ft. Two to three samples were collected between 0.5 and 15 ft above ground surface (ags) at each of the five trench locations. The pile was estimated to be 90% soil and 10% debris by volume.

Area 3

Area 3 was in the northwest section of the Site and was further divided into Area 3A and Area 3B. During on-site activities, Areas 3A and 3B were regarded collectively as Area 3, and they were thought to contain similar waste. However, the analytical results from this assessment suggest that Areas 3A and 3B may contain substantially different waste.

A ridge ran east to west along the northern edge of Area 3A and was the dividing line between Areas 3A and 3B. At its highest point, the ridge was estimated to be 15 ft higher than the ground level at Area 3A. The area on top of the ridge extended north and west to the property boundaries and was heavily overgrown.

<u>Area 3A:</u> Area 3A was an oblong debris pile consisting of large, non-compacted debris, including white goods, metal scrap, plastic, and glass, running north to south with easily defined boundaries and debris depths of 5 to 6 ft. Three sampling trenches were dug through Area 3A, oriented east to west. The pile was estimated to be 30% soil and 70% large debris by volume.

<u>Area 3B:</u> Area 3B consisted of an area to the north of Area 3A, separated from Area 3A by a steep ridge face. No clearing of vegetation occurred in Area 3B, and one sample was collected at the top of the ridge face that constituted the border between Areas 3A and 3B. The ridge face at

the location of the sample was approximately 15 ft tall and had three distinct layers. The bottom layer was reddish brown soil about 11 ft high. The middle layer was white, chalky granules assumed to be limestone or coral fill and was approximately 3 ft thick. The sample was collected from the top layer, which consisted of mixed debris and soil and was approximately 1 ft thick. A reconnaissance of Area 3B indicated that the area was thickly vegetated with variable amounts of waste and debris throughout. A previous investigation found heights of debris ranging from 16 ft in the western section to 1 ft in the central section of Area 3B (EA, 2014). Vegetation was not cleared, and no other samples were collected.

Area 4

Area 4 contained a roughly conical waste pile approximately 15 ft high, containing mostly large debris, including tires, metal scrap, plastics, household debris, auto fluff, and white goods. The outer layer appeared to be comprised of large debris surrounding a core of mixed soil and debris up to 5 ft high. Four sampling trenches were dug radially into the pile at Area 4. The pile was estimated to be 40% soil and 60% large debris by volume.

Area 5

Area 5 was confirmed to consist of only tires, placing it outside of the scope of this Removal Assessment Report. Therefore, no sampling was conducted at the tire pile, as outlined in the *Sampling and Analysis Plan* (WESTON, 2019), and Area 5 will not be further assessed.

3.3 SOIL SAMPLING INVESTIGATIONS

To evaluate the waste piles for disposal and to evaluate environmental concerns from contaminants potentially impacting the soil at the Site, a total of 34 discrete soil samples and four duplicates soil samples were collected from Areas 1, 2, 3, and 4. Each of the soil samples were analyzed for PCBs, TCLP metals, TCLP VOCs, TCLP semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, TPH as gasoline (TPH-g), as diesel (TPH-d), and as motor oil (TPH-mo), organochlorine pesticides, and asbestos-containing material (ACM). See Figure 4 for sampling locations and Figure 3 for estimated heights of waste in the Areas. See Appendix A for photos of Areas and sampling locations.

Sampling locations were chosen based on accessibility and with the goal of best characterizing the waste in each Area. All samples were stored on ice at 4 degrees Celsius (°C) immediately after collection and were shipped with heavy duty ice packs in insulated coolers to keep samples under 4 °C. Samples were transported under chain-of-custody to Orange Coast Analytical, Inc. for analysis. The table below outlines the analyses conducted on the samples.

Area	Number of Samples	Analyses
Area 1	six samples and one duplicate	▪ TCLP SVOCs by EPA Method 8270C ▪ TCLP VOCs by EPA Method 8260B ▪ Organochloride Pesticides by EPA Method 8081A ▪ TPH-d and -mo by EPA Method 8015M ▪ TPH-g by EPA Method 8015B ▪ PCBs by EPA Method 8082 ▪ TCLP Metals by EPA Method 7470A ▪ TAL Metals by EPA Method 6010B ▪ Mercury by EPA Method 7471A
Area 2	14 samples and one duplicate	
Area 3A	seven samples and one duplicate	
Area 3B	one sample	
Area 4	six samples and one duplicate	

Notes:
EPA = Environmental Protection Agency
PCB = polychlorinated biphenyl
SVOC = semivolatile organic carbon
TAL = Target Analyte List
TCLP = Toxicity Characteristic Leaching Procedure
TPH = total petroleum hydrocarbons
VOC = volatile organic carbon

Six samples were collected in Area 1, in three parallel trenches dug east to west through the waste pile. Samples were collected from soil in the trench walls at 0 to 1 ft ags. Fourteen samples and were collected in Area 2 from five vertical sampling trenches approximately 25 ft apart that exposed the vertical profile of the waste pile along a steep ridge face running north to south along the length of the pile. Samples were collected from Area 2 at heights ranging between 0.5 to 15 ft ags. Seven samples were collected in Area 3A from three parallel trenches dug through the waste pile. Samples were collected from soil in the trench walls at heights ranging from 0 to 4 ft ags. One sample was collected from soil in Area 3B at 15 ft ags. Six samples were collected from four sampling trenches dug into Area 4. Samples were collected from soil in the trench walls at heights ranging from 0 to 6 ft ags.

4. ANALYTICAL RESULTS

START collected a total of 34 discrete soil samples and four duplicates from the waste piles in Areas 1, 2, 3A, 3B, and 4. All samples were analyzed for TCLP SVOCs by EPA Method 8270C, TCLP VOCs by EPA Method 8260B, organochloride pesticides by EPA Method 8081A, TPH-g and TPH-mo by EPA Method 8015M, TPH-g by EPA Method 8015 B, PCBs by EPA Method 8082, TCLP metals by EPA Method 7470A, TAL metals by EPA Method 6010B, and mercury by EPA Method 7471A.

Analytical results were compared against the EPA Regional Screening Levels (RSL) for commercial/industrial soil (EPA, 2019) and the TPESLs for commercial/industrial land use for shallow soils where groundwater is not a current or potential source of drinking water (CNMI Division of Environmental Quality [DEQ] and Guam EPA, 2017). All mentions of EPA RSL and TPESL herein after refer to the screening levels identified above. A summary of exceedances by analyte is shown below, and the following subsections address the exceedances by Area. TCLP SVOCs and TCLP VOCs were not detected in any samples. Analytical reports are provided in Appendix B, and summaries of the analytical data are provided in Tables 1 through Table 7

- TCLP lead exceeded RCRA levels for hazardous waste in three samples in Area 1, eight samples in Area 2, and one sample in Area 3B. See Figure 5 and Table 1 for TCLP analytical data.
- Total lead exceeded both TPESLs and EPA RSLs in five samples in Area 1, 11 samples in Area 2, and one sample in Area 3B. See Figure 6 for total lead exceedances, and Table 2 for analytical data for TAL Metals.
- Arsenic exceeded EPA RSLs in one sample in Area 1, four samples in Area 3A, and one sample in Area 3B.
- Chromium exceeded TPESLs in one sample in Area 4.
- Copper exceeded TPESLs in eight samples in Area 2 and one sample in Area 3B. Copper exceeded EPA RSLs in two samples in Area 2.
- Thallium exceeded both TPESLs and EPA RSLs in two samples in Area 1 and two samples in Area 4.
- Zinc exceeded TPESLs in three samples in Area 1, 13 samples in Area 2, and one sample in Area 3B.
- Chlordane (an organochlorine pesticide) exceeded TPESLs and EPA RSLs in one sample at Area 1. See Figure 7 for organochlorine pesticide exceedances, and Table 3 for analytical data for organochlorine pesticides.
- TPH-d exceeded TPESLs in two samples at Area 1, seven samples in Area 2, and one sample at Area 3B. See Figure 8 for TPH exceedances, and Table 4 for analytical data for TPH.
- TPH-mo exceeded TPESLs in one sample in Area 2. See Figure 8 for TPH exceedances.
- PCB Aroclors exceeded EPA RSLs in one sample in Area 1, 10 samples in Area 2, one sample in Area 3A, and one sample in Area 3B. Total PCBs exceeded TPESLs in three

samples in Area 2 and one sample in Area 3A. See Figure 7 for PCB exceedances, and Table 5 for analytical data for PCBs.

- No TCLP SVOCs (Table 6) or TCLP VOCs (Table 7) were detected in any of the samples collected at the Site.
- No ACM was detected in any of the samples collected at the Site.

4.1 AREA 1 RESULTS SUMMARY

START collected six discrete soil samples from the waste in Area 1. All analyses were conducted on all six samples. TCLP lead was detected in all six samples, ranging from 0.11 to 89 mg/L, and exceeded RCRA levels for hazardous waste in three samples (Figure 5).

Total lead was detected in all six samples, ranging from 310 to 11,000 mg/kg, and exceeded both EPA RSLs and TPESLs in five samples (Figure 6). Arsenic was detected and exceeded EPA RSLs in one sample at 44 mg/kg. Thallium was detected in two samples at 25 and 26 mg/kg and exceeded both EPA RSLs and TPESLs in two samples. Zinc was detected in all six samples from 1,600 to 4,000 mg/kg and exceeded TPESL in three samples.

PCB-Aroclor 1248 was detected and exceeded EPA RSLs in one sample at 690 micrograms per kilogram (µg/kg). PCB Aroclor 1254 was detected in four samples, ranging from 99 to 2,600 µg/kg, and exceeded EPA RSLs in one sample (Figure 7).

Chlordane, an organochlorine pesticide, was detected in two samples and exceeded both TPESL and EPA RSL in one sample. TPH-d was detected in all six samples, ranging from 170 to 790 mg/kg, and exceeded TPESLs in two samples (Figure 8).

Area 1 Sampling Exceedances Summary									
Sample Information	**Chlordane (µg/kg)**	**TPH-d (mg/kg)**	**PCB-1248 (µg/kg)**	**PCB-1254 (µg/kg)**	**TCLP Lead (mg/L)**	**Arsenic (mg/kg)**	**Total Lead (mg/kg)**	**Thallium (mg/kg)**	**Zinc (mg/kg)**
Number of Samples†	6	6	6	6	6	6	6	6	6
Number of Detections†	2	6	1	4	6	1	6	2	6
Detected Result Range	580-13,000	170-790	690	99-2600	0.11-89	44	310-11,000	25-26	1,600-4,000
Number of Exceedances† (Screening Level)	**1** (7,700)[a] **1** (7,600)[b]	**2** (500)[b]	**1** (950)[a]	**1** (970)[a]	**3** (5)[c]	**1** (3)[a]	**5** (800)[a] **5** (800)[b]	**2** (12)[a] **2** (12)[b]	**3** (2,500)[b]

Notes:
†Numbers do not include duplicates.
a = exceeds U.S. Environmental Protection Agency Regional Screening Levels (EPA RSL) for commercial soil (EPA, 2019).
b = exceeds Tropical Pacific Environmental Screening Levels (TPESL) for shallow soils where groundwater is a current or potential source of drinking water (CNMI Division of Environmental Quality and Guam EPA, 2017).
c = exceeds Resource Conservation and Recovery Act (RCRA) level for characteristic hazardous waste (Code of Federal Regulations [CFR] 40, part 261.24)
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
PCB = polychlorinated biphenyls
TCLP = toxicity characteristic leaching procedure
TPH-d = total petroleum hydrocarbons as diesel

4.2 AREA 2 RESULTS SUMMARY

START collected 14 discrete soil samples from the waste in Area 2. All analyses were conducted on all 14 samples. TCLP lead was detected in 13 of 14 samples, ranging from 0.73 to 34 mg/L, and exceeded RCRA levels for hazardous waste in eight samples (Figure 5).

Total lead was detected in all 14 samples ranging from 300 to 10,000 mg/kg and exceeded both EPA RSLs and TPESLs in 11 samples (Figure 6). Copper was detected in all 14 samples ranging from 160 to 180,000 mg/kg, exceeded TPESLs in eight samples, and exceeded EPA RSLs in two samples. Zinc was detected in all 14 samples from 1,900 to 43,000 mg/kg and exceeded TPESL in 12 samples.

PCB Aroclor 1248 was detected in nine samples, ranging from 210 to 8,600 µg/kg, and exceeded EPA RSLs in eight samples. PCB Aroclor 1254 was detected in 11 samples, ranging from 600 to 9,100 µg/kg, and exceeded EPA RSLs in eight samples. Total PCBs were detected in 13 of 14 samples, ranging from 210 to 16,200 µg/kg, and exceeded TPESL in three samples (Figure 7).

TPH-d was detected in all 14 samples, ranging from 79 to 1,800 mg/kg, and exceeded TPESLs in seven samples. TPH-mo was detected in all 14 samples, ranging from 220 to 3,800 mg/kg, and exceeded TPESLs in one sample (Figure 8).

Area 2 Sampling Exceedances Summary									
Sample Information	**TPH-d (mg/kg)**	**TPH-mo (mg/kg)**	**PCB-1248 (µg/kg)**	**PCB-1254 (µg/kg)**	**Total PCB (µg/kg)**	**TCLP Lead (mg/L)**	**Copper (mg/kg)**	**Total Lead (mg/kg)**	**Zinc (mg/kg)**
Number of Samples†	14	14	14	14	14	14	14	14	14
Number of Detections†	14	14	9	11	13	13	14	14	14
Detected Result Range	79 - 1,800	220 - 3,800	210 - 8,600	600 - 9,100	210 - 16,200	0.73 - 34	160 - 180,000	300 - 10,000	1,900 - 43,000
Number of Exceedances† (Screening Levels)	**7** (500)[b]	**1** (2,500)[b]	**8** (940)[a]	**8** (970)[a]	**3** (9,700)[b]	**8** (5)[c]	**2** (47,000)[a] **8** (2,500)[b]	**11** (800)[a] **11** (800)[b]	**12** (2500)[b]

Notes:
†Numbers do not include duplicates.
a = exceeds U.S. Environmental Protection Agency Regional Screening Levels (EPA RSL) for commercial soil (EPA, 2019).
b = exceeds Tropical Pacific Environmental Screening Levels (TPESL) for shallow soils where groundwater is a current or potential source of drinking water (CNMI Division of Environmental Quality and Guam EPA, 2017).
c = exceeds Resource Conservation and Recovery Act (RCRA) level for characteristic hazardous waste (Code of Federal Regulations [CFR] 40, part 261.24)
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
PCB = polychlorinated biphenyl
TCLP = toxicity characteristic leaching procedure
TPH-d = total petroleum hydrocarbons as diesel
TPH-mo = total petroleum hydrocarbons as motor oil

4.3 AREA 3A RESULTS SUMMARY

START collected seven discrete soil samples from the waste in Area 3A. All analyses were conducted on all seven samples. TCLP lead did not exceed RCRA hazardous waste levels in any of the samples. Arsenic was detected in six samples, ranging from 2.7 to 5.2 mg/kg, and exceeded EPA RSLs in four samples.

PCB Aroclor 1248 was detected in three samples, ranging from 84 to 6,800 µg/kg, and exceeded EPA RSLs in one sample. PCB Aroclor 1254 was detected in three samples, ranging from 120 to 4,300 µg/kg, and exceeded EPA RSLs in one sample. Total PCBs were calculated by adding all detected PCB Aroclors, were detected in six samples, ranging from 180 to 11,100 µg/kg, and exceeded TPESLs in one sample. See Figure 7 for sampling exceedances for PCBs.

Area 3A Sampling Exceedances Summary				
Sample Information	**PCB-1248 (µg/kg)**	**PCB-1254 (µg/kg)**	**Total PCB (µg/kg)**	**Arsenic (mg/kg)**
Number of Samples†	7	7	7	7
Number of Detections†	3	3	6	6
Detected Result Range	84 - 6,800	120 - 4,300	180 - 11,100	2.7 - 5.2
Number of Exceedances† (Screening Level)	**1** (940)[a]	**1** (970)[a]	**1** (9,700)[b]	**4** (3)[a]

Notes:
†Numbers do not include duplicates.
a = exceeds U.S. Environmental Protection Agency Regional Screening Levels (EPA RSL) for commercial soil (EPA, 2019).
b = exceeds Tropical Pacific Environmental Screening Levels (TPESL) for shallow soils where groundwater is a current or potential source of drinking water (CNMI Division of Environmental Quality and Guam EPA, 2017).
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PCB = polychlorinated biphenyls

4.4 AREA 3B RESULTS SUMMARY

One discrete soil sample was collected from the waste in Area 3B. TCLP lead exceeded RCRA levels for hazardous waste at 6.6 mg/L. Total lead exceeded EPA RSLs at 11,000 mg/kg. Arsenic exceeded EPA RSLs at 11 mg/kg. Copper exceeded TPESLs at 2,700 mg/kg. Zinc exceeded TPESLs at 12,000 mg/kg. TPH-d exceeded TPESLs at 850 mg/kg.

PCB Aroclor 1248 exceeded EPA RSLs at 2,100 µg/kg. PCB Aroclor 1254 exceeded EPA RSLs at 2,000 µg/kg. See Figures 5-8 for sampling exceedances for TCLP lead, total lead, PCBs, and TPH.

Area 3B Sampling Exceedances Summary								
Sample Information	**TPH-d (mg/kg)**	**PCB-1248 (µg/kg)**	**PCB-1254 (µg/kg)**	**TCLP Lead (mg/L)**	**Arsenic (mg/kg)**	**Copper (mg/kg)**	**Total Lead (mg/kg)**	**Zinc (mg/kg)**
Number of Samples†	1	1	1	1	1	1	1	1
Detected Result	850	2,100	2,000	6.6	11	2,700	11,000	12,000
Number of Exceedances† (Screening Level)	**1** (500)[b]	**1** (940)[a]	**1** (970)[a]	**1** (5)[c]	**1** (3)[a]	**1** (2,500)[b]	**1** (800)[a] **1** (800)[b]	**1** (2,500)[b]

Notes:
†Numbers do not include duplicates.
a = exceeds U.S. Environmental Protection Agency Regional Screening Levels (EPA RSL) for commercial soil (EPA, 2019).
b = exceeds Tropical Pacific Environmental Screening Levels (TPESL) for shallow soils where groundwater is a current or potential source of drinking water (CNMI Division of Environmental Quality and Guam EPA, 2017).
c = exceeds Resource Conservation and Recovery Act (RCRA) level for characteristic hazardous waste (Code of Federal Regulations [CFR] 40, part 261)
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
PCB = polychlorinated biphenyls
TCLP = toxicity characteristic leaching procedure
TPH-d = total petroleum hydrocarbons as diesel

4.5 AREA 4 RESULTS SUMMARY

A total of six discrete soil samples were collected in Area 4. All analyses were conducted on all six samples. Chromium was detected in all six samples, ranging from 48 to 1,100 mg/kg, and exceeded TPESLs in one sample. Thallium was detected in four samples, ranging from 5.7 to 24 mg/kg, and exceeded both TPESLs and EPA RSLs in two samples.

Area 4 Sampling Exceedances Summary		
Sample Information	**Chromium (mg/kg)**	**Thallium (mg/kg)**
Number of Samples†	6	6
Number of Detections†	6	4
Detected Result Range	48 – 1,100	5.7 – 24
Number of Exceedances† (Screening Level)	1 (1,100)[b]	2 (12)[a] 2 (12)[b]

Notes:
†Numbers do not include duplicates.
a = exceeds U.S. Environmental Protection Agency Regional Screening Levels (EPA RSL) for commercial soil (EPA, 2019).
b = exceeds Tropical Pacific Environmental Screening Levels (TPESL) for shallow soils where groundwater is a current or potential source of drinking water (CNMI Division of Environmental Quality and Guam EPA, 2017).
mg/kg = milligrams per kilogram

5. WASTE CHARACTERIZATION DISCUSSION

In order to characterize the waste in Areas 1-4, discrete soil samples were collected and analyzed for TCLP metals, PCBs, TCLP SVOCs, and TCLP VOCs. Based on the analytical results, TCLP lead results were found to be the primary drivers of the characteristically hazardous waste at the Site. Soil with concentrations of TCLP lead above 5 mg/L is determined to be RCRA hazardous waste under CFR Title 40, Part 261.24 and requires disposal as a hazardous waste. Of the 34 samples collected at the Site, 12 exceeded RCRA levels of 5 mg/L in Areas 1, 2, and 3B. See Figure 5 for TCLP lead exceedances at the Site. No TCLP metals other than lead exceeded RCRA regulatory levels, and no TCLP SVOCs or TCLP VOCs were detected in any samples at the Site.

PCBs were detected in 23 of 34 samples collected at the Site but did not exceed the 50 mg/kg level specified in EPA Toxic Substances Control Act (TSCA) regulations under CFR Title 40, Part 761 Subpart D. Therefore, the waste is not considered as a TSCA-regulated PCB waste.

5.1 AREA 1 WASTE CHARACTERIZATION

Three samples collected from Area 1 exceeded RCRA levels for hazardous waste. Figure 5 shows the TCLP lead exceedances at the Site. Samples were collected from soil at the base of the pile, between 0 and 1 ft ags in three sampling trenches dug through the waste pile. The pile was primarily composed of large debris, including metal scrap, white goods, plastics, and glass, with soil mixed in with the debris up to 1.5 ft ags. For the purposes of this report, Area 1 is assumed to contain both hazardous and non-hazardous soil. Separated debris is assumed to be non-hazardous waste. Estimated waste volumes are discussed in Section 6.

5.2 AREA 2 WASTE CHARACTERIZATION

Eight samples collected from Area 2 exceeded RCRA levels for hazardous waste. Figure 5 shows the TCLP lead exceedances at the Site. The pile was composed of soil comingled with shredded debris. Samples were collected between 0.5 and 15 ft ags from soil in vertical sampling trenches dug into the ridge face of the waste pile, exposing the profile of the waste. TCLP and total lead values generally show lower concentrations at the base of the waste pile. Two samples at Area 2 were collected at approximately 0.5 ft ags, and neither exceeded the RCRA level for TCLP lead. Analytical results for total lead also show lower values near the base of the pile. For the purposes of this report, a large majority of the comingled soil and debris at Area 2 is assumed to be hazardous waste. A small portion of the waste at or near the base of the pile is considered non-hazardous waste. Estimated waste volumes are discussed in Section 6.

5.3 AREA 3 WASTE CHARACTERIZATION

Area 3 lay in the northwest section of the Site and was further divided into Area 3A and Area 3B. Area 3A consisted of large debris, including metal scrap, white goods, plastics, foam, and glass, with soil mixed in with the debris between 0 and 4 ft ags. None of the samples exceeded RCRA levels for hazardous waste. For the purposes of this report, both the soil and debris in Area 3A are assumed non-hazardous waste.

A ridge ran east to west along the northern edge of Area 3A, which was the dividing line between Areas 3A and 3B. At its highest point, the ridge was estimated to be 15 ft higher than the ground surface at Area 3A, and the ridge face consisted of three distinct layers: from bottom to top, approximately 11 ft of reddish brown soil, then 3 ft of assumed imported coral or limestone fill, and then 1 ft of mixed debris and soil at the top. The area on top of the ridge, referred to as Area 3B, extended north and west to the property boundaries and was heavily overgrown.

During on-site activities, Areas 3A and 3B were regarded as the same Area with similar waste profiles. However, the analytical results suggest that Areas 3A and 3B may contain substantially different waste. While no exceedances for TCLP lead were found in Area 3A, the sample collected from the soil in Area 3B at the top of the 15-ft ridge was found to exceed RCRA levels for TCLP lead with a value of 6.6 mg/L. Results for other analytes such as copper, zinc, and total lead also supported the conclusion that the samples collected in Areas 3A and 3B were substantially different. Therefore, Area 3 was split into Areas 3A and 3B. For the purposes of this report, soil in Area 3B is assumed to be partially non-hazardous and partially hazardous waste. Separated debris is assumed to be non-hazardous waste. Estimated waste volumes are discussed in Section 6. Additional sampling is necessary in Area 3B to determine the extents of the characteristic hazardous waste in the Area.

5.4 AREA 4 WASTE CHARACTERIZATION

None of the samples collected from Area 4 exceeded RCRA levels for hazardous waste. Both the soil and debris are assumed to be non-hazardous waste. Estimated waste volumes are discussed in Section 6.

6. ESTIMATED SITE WASTE VOLUMES

All waste volumes and weights outlined below are approximations based on field observations and are not intended for use in design-level estimates. A field GPS unit was used to mark the boundaries of the waste piles and Areas at the Site, and an approximation of the height of the waste piles was noted in field logbooks. This information, in combination with the field team's observations, was used to produce a rough map of the waste distribution in piles and areas throughout the Site (Figure 3). The ground surface was taken to be the height where assumed native soil was seen to interface with waste material. Areas 1, 3A, and 4 contained waste piles that completely filled the extents of the Areas. In Area 2, there was a distinct waste pile within the larger area. Approximate extents of the waste pile in Area 2 were noted using field GPS units and publicly available satellite images, and the remainder of Area 2, which was not accessible for reconnaissance due to vegetation, was assumed to contain an average of 2 ft of waste material. Area 3B contained variable amounts of waste material throughout and was assumed to contain an average of 6 ft of waste material based on previous investigations (EA, 2014) and reconnaissance in the uncleared vegetation. Further sampling, clearing, and pile surveying of Area 3B is required. Piles associated with Areas 2 and 3B may extend beyond the northern and western Site boundaries, and waste volumes may increase if removal of that waste is included. Waste volumes may change if assumptions change or Site clearing and surveying is conducted.

Estimates of the percentage of debris by volume were made for each Area, based on field observations. An estimate of the percentage of soil as characteristic hazardous waste was made based on the analytical results, and estimated volumes of hazardous and non-hazardous waste soil were calculated. A summary of the waste volumes by area is shown in the table below.

Summary of Waste Volumes by Area

	Area 1	Area 2	Area 3A	Area 3B	Area 4	Total
Total Estimated Volume	530 cy	3080 cy	300 cy	1840 cy	1080 cy	6830 cy
Debris Volume (Percentage of Total Volume)	370 cy (70%)	0† cy (0%)	210 cy (70%)	920 cy (50%)	650 cy (60%)	2150 cy (32%)
Soil Volume (Percentage of Total Volume)	160 cy (30%)	3080 cy† (100%)	90 cy (30%)	920 cy (50%)	430 cy (40%)	4680 cy (68%)
Hazardous Waste Soil Volume (Percentage of Soil Volume)	80 cy (50%)	2770† cy (90%)	0 cy (0%)	460 cy (50%)	0 cy (0%)	3310 cy (70%)
Non-Hazardous Waste Soil Volume (Percentage of Soil Volume)	80 cy (50%)	310† cy (10%)	90 cy (100%)	460 cy (50%)	430 cy (100%)	1370 cy (30%)

Notes:
All volumes are estimates and are not intended for design-level uses.
† Debris in Area 2 was small, sparse, and mixed into the soil throughout the pile. Therefore, separation of the debris for disposal was not judged to be viable. Waste volumes in Area 2 were not split into debris and soil portions for this table.
cy = cubic yards

Area 1

Total estimated volume of combined soil and debris in Area 1 was 530 cubic yards (cy). Using an approximation of 70% debris by volume, Area 1 contained approximately 370 cy of debris and 160 cy of soil. Based on the analytical results, the soil portion was estimated to contain 50%

hazardous material. Therefore, the hazardous soil volume was 80 cy, and the non-hazardous soil volume was 80 cy.

Area 2

Total volume of combined soil and debris in Area 2 was 3,080 cy. Because the debris in Area 2 was very small, sparse, and mixed throughout the soil of the pile, separation of the debris was not judged to be a viable option, and the soil and debris portions were not estimated. The waste from Area 2 was approximated to contain 90% hazardous material. Therefore, the hazardous waste volume was 2,770 cy, and the non-hazardous waste volume was 310 cy.

Area 3A

Total estimated volume of combined soil and debris in Area 3A was 300 cy. Using an approximation of 70% debris by volume, Area 1 contained 210 cy of debris and 90 cy of non-hazardous soil.

Area 3B

Area 3B was assumed to contain an average of 6 ft of waste material based on reconnaissance of the Area and previous investigations (EA, 2014). These sources suggested a high variability in the height of waste material in the Area, and further sampling, clearing, and pile surveying is required. For the purposes of this estimate, an assumption of 50% debris was used, and the soil portion was assumed to be 50% hazardous. The total estimated volume was 1,840 cy, the debris and soil volumes were 920 cy each, and the hazardous and non-hazardous waste soil volumes were 460 cy each.

Area 4

Total estimated volume of combined soil and debris in Area 4 was 1,080 cy. Using an approximation of 60% debris by volume, Area 4 contained 650 cy of debris and 430 cy of non-hazardous soil.

7. SUMMARY

EPA tasked START with conducting a Removal Assessment including documenting current Site conditions and conducting soil sampling of waste piles on the Site. EPA, START, and ERRS personnel were utilized to conduct Site activities. Discrete soil samples were collected from sampling trenches dug at the waste piles, and all samples were analyzed for TCLP SVOCs, TCLP VOCs, TCLP metals, TAL metals, TPH-d, TPH-mo, TPH-g, organochlorine pesticides, PCBs, and ACM.

The primary driver of the characteristically hazardous or non-hazardous nature of the waste at the Site was found to be TCLP lead. Samples from Areas 1, 2, and 3B exceeded RCRA levels of 5 mg/L TCLP lead for characteristic hazardous waste. In Area 1, TCLP lead exceeding RCRA levels for hazardous waste was detected in three of six samples. In Area 2, TCLP lead exceeding RCRA levels for hazardous waste was detected in eight of 14 samples. During on-site activities, Areas 3A and 3B were regarded as the same Area with similar waste profiles. However, the analytical results suggest that Areas 3A and 3B may contain substantially different waste. Therefore, Area 3 was split into Areas 3A and 3B. Only one sample was collected from Area 3B, and it exceeded RCRA TCLP lead levels for hazardous waste. Further sampling, clearing of vegetation, and reconnaissance is necessary to characterize the waste in Area 3B.

A field GPS unit was used to mark the boundaries of the waste piles at the Site, and rough field approximations of the height of the waste were noted in field logbooks. This information, in combination with the field team's observations, was used to produce a rough map of the waste distribution in piles and areas throughout the Site. Percentages of debris by volume for each pile were estimated based on field observations, and percentages of hazardous soil by volume for each pile were estimated based on analytical results. Approximate volumes of debris, characteristically hazardous soil, and non-hazardous soil were calculated. All waste volumes and weights outlined in this report are approximations based on field observations and are not intended for use in design-level estimates. The estimated totals of debris, hazardous soil, and non-hazardous soil at the Site were as follows: 2,150 cy debris, 3,310 cy hazardous soil, and 1,370 cy non-hazardous soil. The largest portion of hazardous material originates in Area 2 with approximately 2,770 of 3,310 total cy of hazardous soil.

8. REFERENCES

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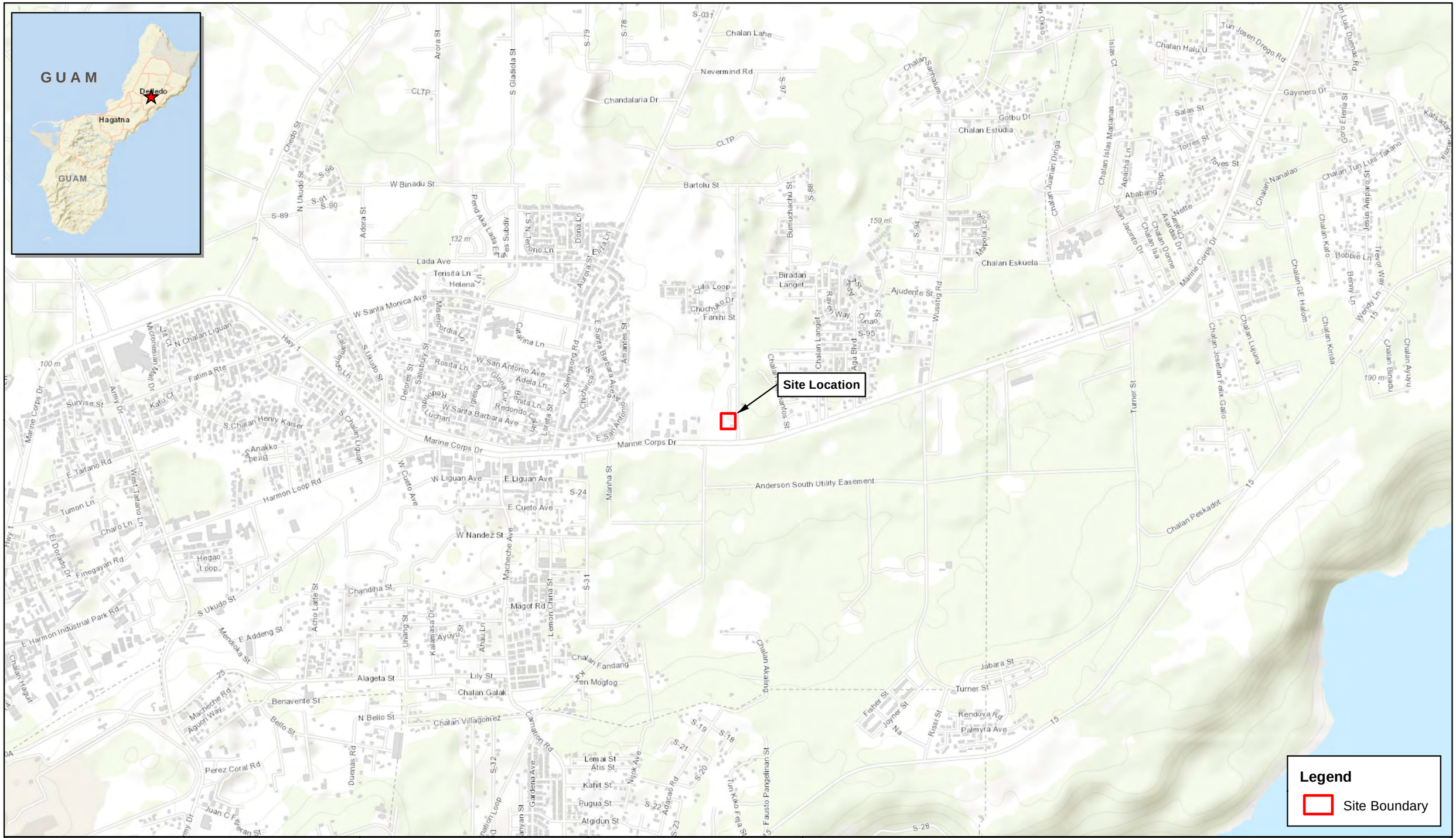
FIGURES



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Miles

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FIGURE 1
SITE LOCATION MAP
DEDEDO WASTE AREA
Dededo, Guam

Contract: 68HE0919D0002; **Task Order:** 68HE0919F0112

Document Control Number: 0034-08-AABW

0 25 50 100 150 200 250
Feet

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FIGURE 2
SITE LAYOUT AND VICINITY MAP
DEDEDO WASTE AREA
Dededo, Guam

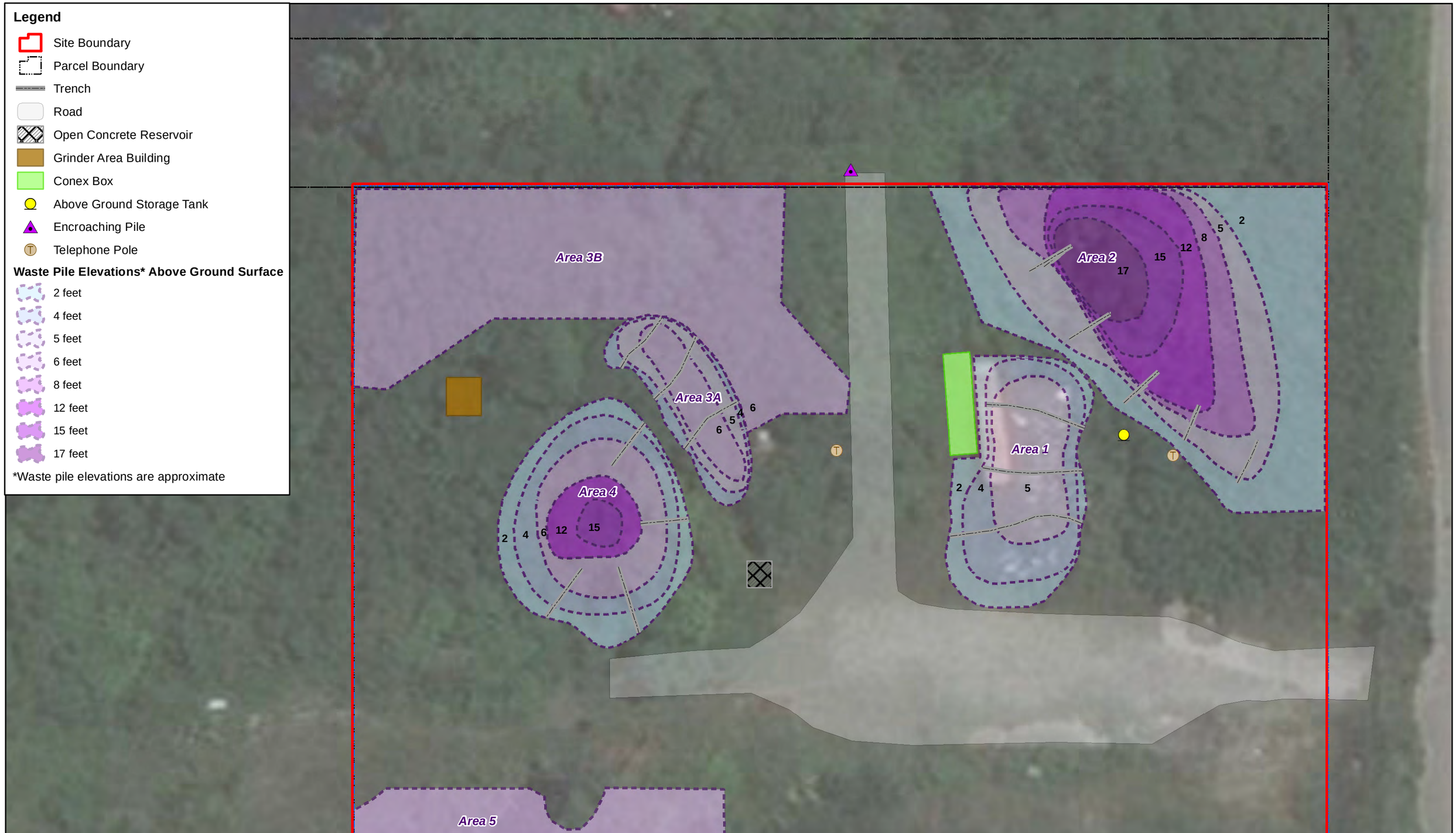

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FIGURE 3
SITE FEATURES
DEDEDO WASTE AREA
Dededo, Guam

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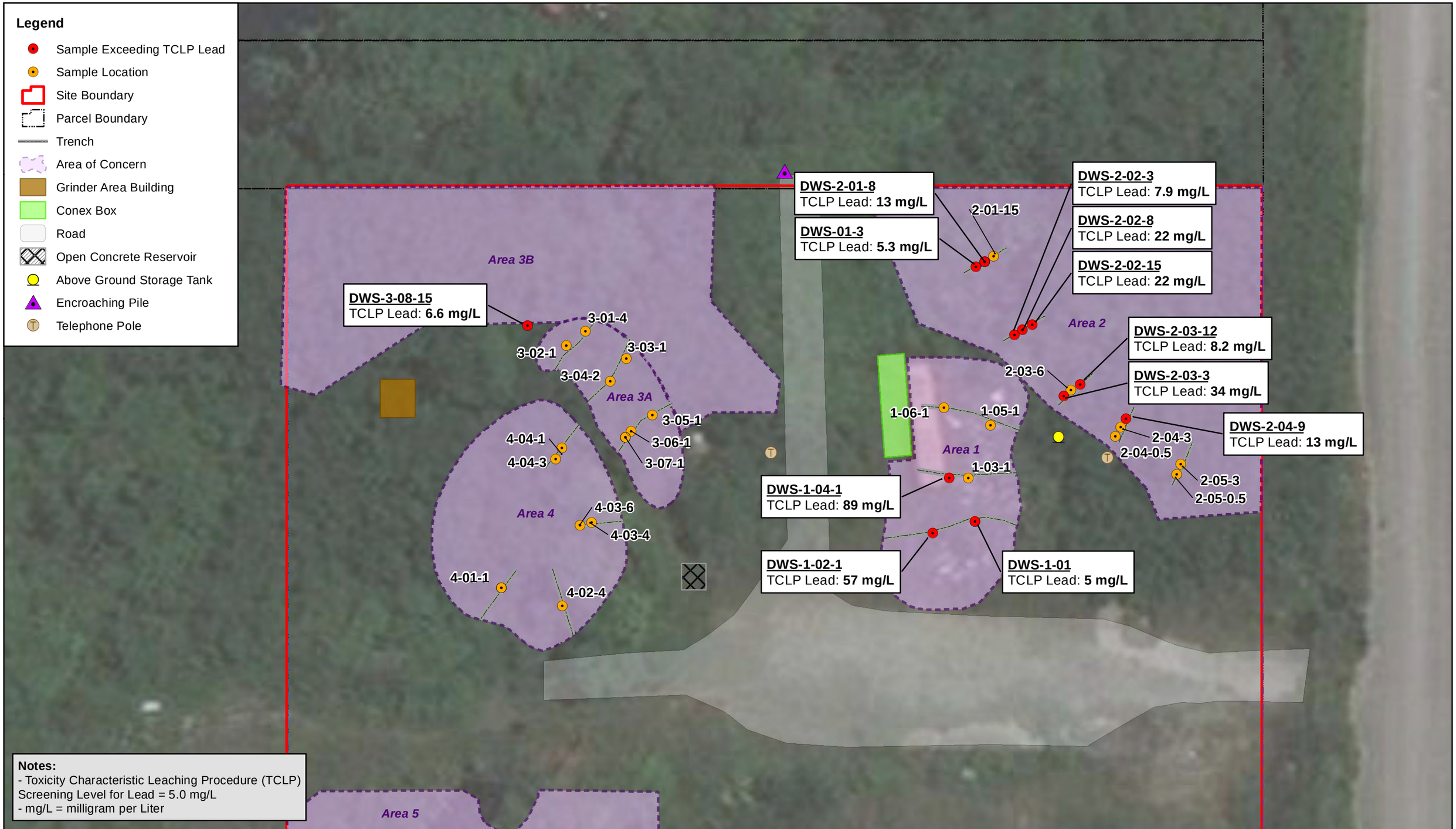
FIGURE 4
SAMPLE LOCATION MAP
DEDEDO WASTE AREA
Dededo, Guam

Contract: 68HE0919D0002; **Task Order:** 68HE0919F0112

Document Control Number: 0034-08-AABW



0 25 50 100
Feet

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FIGURE 5
SAMPLE RESULTS EXCEEDING TCLP LEAD
DEDEDO WASTE AREA
Dededo, Guam

Contract: 68HE0919D0002; **Task Order:** 68HE0919F0112

Document Control Number: 0034-08-AABW

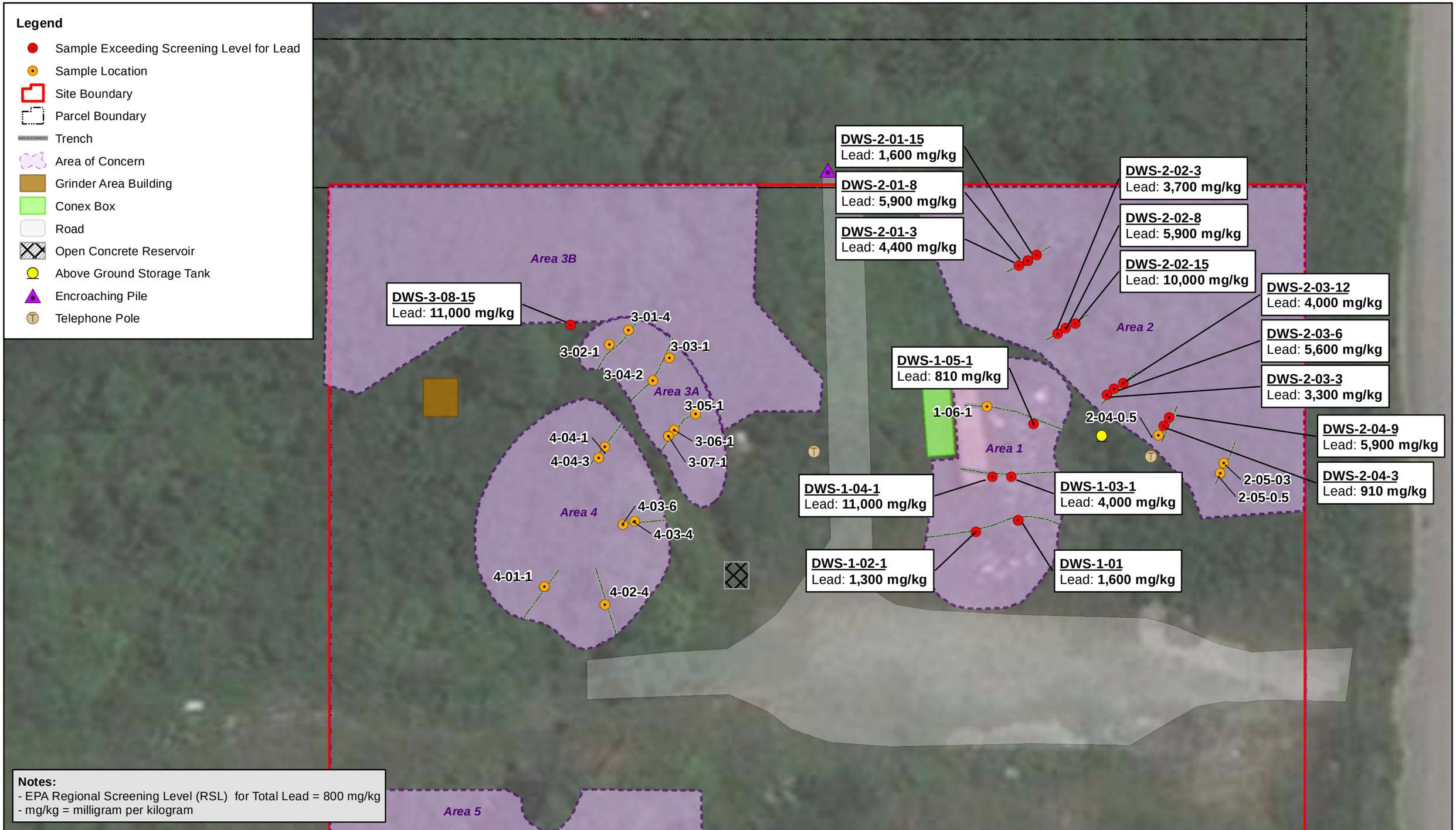

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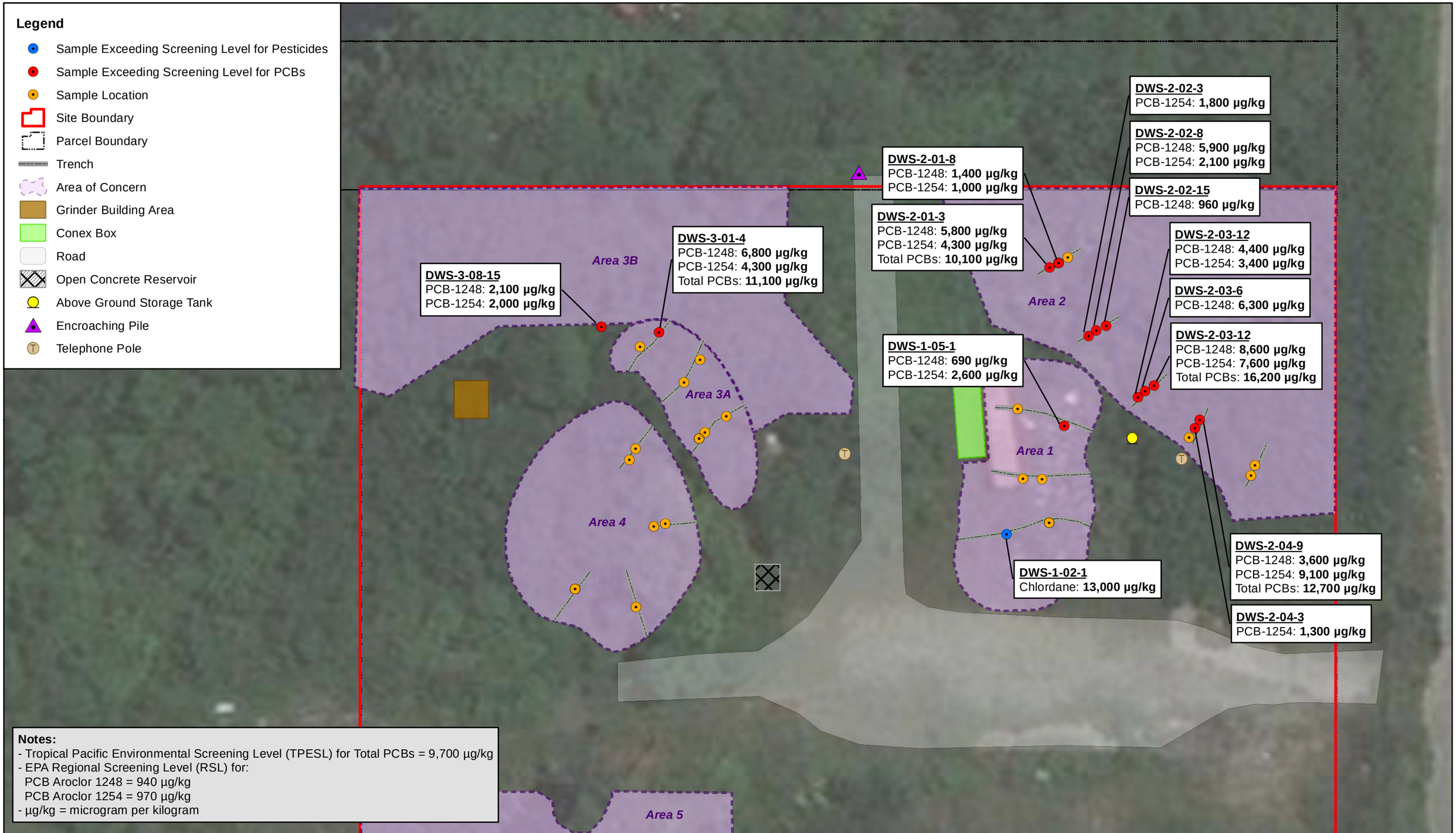
FIGURE 6
SAMPLE RESULTS EXCEEDING SCREENING LEVELS FOR TOTAL LEAD
DEDEDO WASTE AREA
Dededo, Guam



Notes:
- Tropical Pacific Environmental Screening Level (TPESL) for Total PCBs = 9,700 µg/kg
- EPA Regional Screening Level (RSL) for:
  PCB Aroclor 1248 = 940 µg/kg
  PCB Aroclor 1254 = 970 µg/kg
- µg/kg = microgram per kilogram

0 25 50 100
Feet

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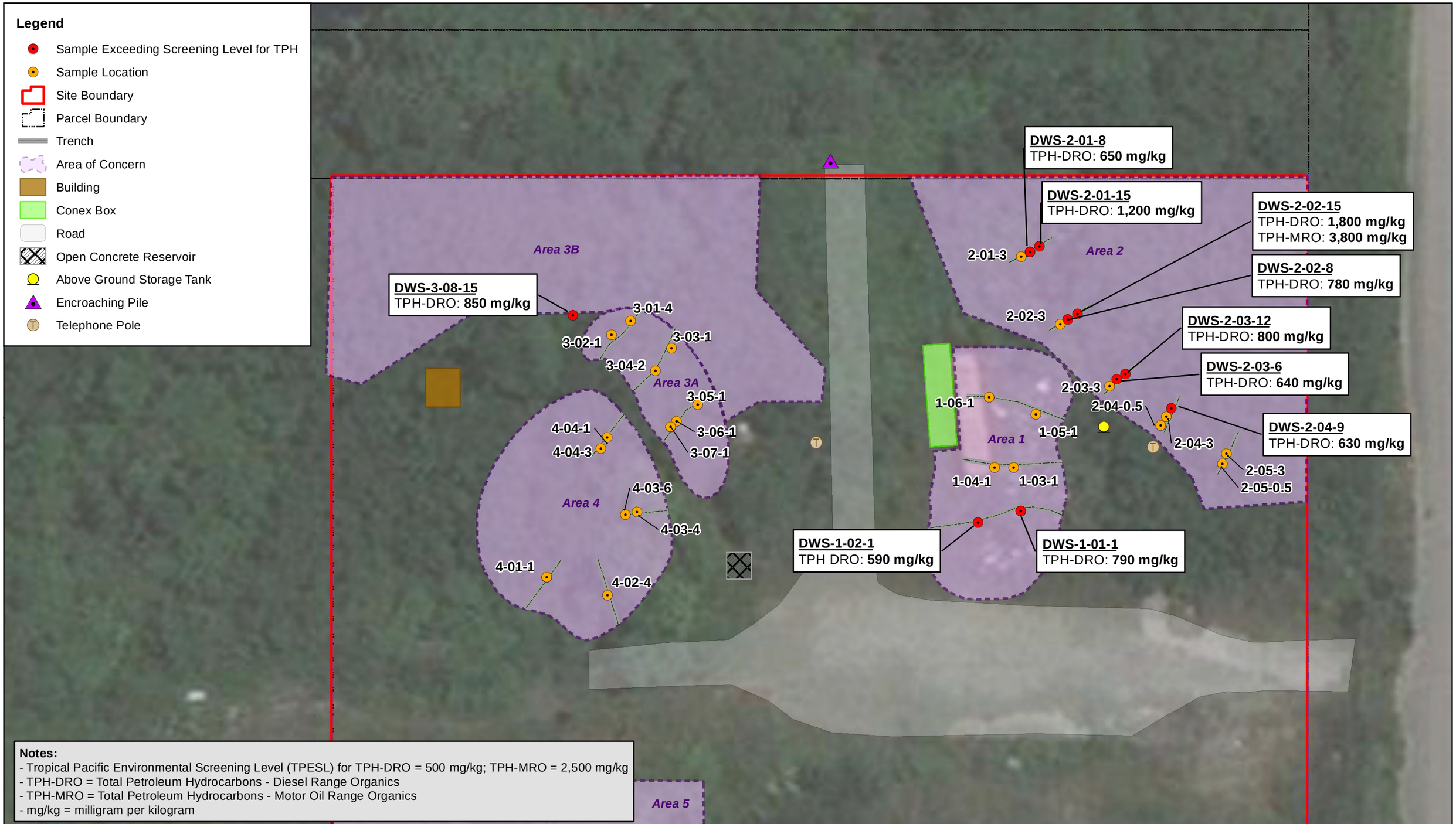
FIGURE 7
SAMPLE RESULTS EXCEEDING SCREENING LEVELS FOR TOTAL PCBs AND PESTICIDES
DEDEDO WASTE AREA
Dededo, Guam



Notes:
- Tropical Pacific Environmental Screening Level (TPESL) for TPH-DRO = 500 mg/kg; TPH-MRO = 2,500 mg/kg
- TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
- TPH-MRO = Total Petroleum Hydrocarbons - Motor Oil Range Organics
- mg/kg = milligram per kilogram

0 25 50 100
Feet

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FIGURE 8
SAMPLE RESULTS EXCEEDING SCREENING LEVELS FOR TPH
DEDEDO WASTE AREA
Dededo, Guam

TABLES

Table 1
Summary of TCLP Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**	**DWS-1-06-1-A**	**DWS-2-01-15-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**15**
Analyte	**Screening Level**	**Units**	**TCLP Metals**							
TCLP Arsenic	5	mg/L	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)
TCLP Barium	100	mg/L	1.8	1.9	0.92	1.2	0.68	0.92	1.4	3.4
TCLP Cadmium	1	mg/L	0.02	0.025	ND (<0.02)	ND (<0.02)	0.031	ND (<0.02)	ND (<0.02)	0.034
TCLP Chromium	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)
TCLP Lead	5	mg/L	**5**	**16**	**57**	4.9	**89**	1.2	0.11	0.78
TCLP Mercury	2	mg/L	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)
TCLP Selenium	1	mg/L	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)
TCLP Silver	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)

Sample ID			**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**	**DWS-2-02-3-A**	**DWS-2-02-8-A**	**DWS-2-03-12-A**	**DWS-2-03-3-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**15**	**3**	**8**	**15**	**3**	**8**	**12**	**3**
Analyte	**Screening Level**	**Units**	**TCLP Metals**							
TCLP Arsenic	5	mg/L	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)
TCLP Barium	100	mg/L	3.3	3.3	2.5	2.3	3.1	2.6	3.2	3.3
TCLP Cadmium	1	mg/L	0.034	0.17	0.2	0.25	0.17	0.28	0.18	0.19
TCLP Chromium	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	0.028
TCLP Lead	5	mg/L	1.8	**5.3**	**13**	**22**	**7.9**	**22**	**8.2**	**34**
TCLP Mercury	2	mg/L	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)
TCLP Selenium	1	mg/L	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)
TCLP Silver	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)

Table 1
Summary of TCLP Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-2-03-6-A**	**DWS-2-04-0.5-A**	**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**	**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**6**	**0.5**	**3**	**9**	**0.5**	**3**	**4**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP Metals**							
TCLP Arsenic	5	mg/L	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)
TCLP Barium	100	mg/L	3.1	0.7	1.1	2.6	0.88	0.94	1.3	1.1
TCLP Cadmium	1	mg/L	0.16	0.021	0.38	0.21	0.026	ND (<0.02)	0.025	ND (<0.02)
TCLP Chromium	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)
TCLP Lead	5	mg/L	4.5	0.93	0.73	**13**	2.5	ND (<0.08)	1.2	ND (<0.08)
TCLP Mercury	2	mg/L	0.053	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)
TCLP Selenium	1	mg/L	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)
TCLP Silver	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)

Sample ID			**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**	**DWS-3-07-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**	**DWS-3-08-15-A**	**DWS-4-01-1-A**
Sample Date			**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**2**	**0-1**	**0-1**	**0-1**	**0-1**	**15**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP Metals**							
TCLP Arsenic	5	mg/L	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)
TCLP Barium	100	mg/L	0.81	0.68	0.79	0.89	0.71	0.69	3.2	0.41
TCLP Cadmium	1	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	0.12	ND (<0.02)
TCLP Chromium	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)
TCLP Lead	5	mg/L	ND (<0.08)	0.13	ND (<0.08)	ND (<0.08)	ND (<0.08)	0.13	**6.6**	ND (<0.08)
TCLP Mercury	2	mg/L	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)
TCLP Selenium	1	mg/L	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)
TCLP Silver	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)

Table 1
Summary of TCLP Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**	**DWS-4-03-6-A**	**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**0-1**	**4**	**4**	**6**	**0-1**	**3**
Analyte	**Screening Level**	**Units**	**TCLP Metals**					
TCLP Arsenic	5	mg/L	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)
TCLP Barium	100	mg/L	0.74	0.79	0.6	0.56	0.75	0.72
TCLP Cadmium	1	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	0.035
TCLP Chromium	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)
TCLP Lead	5	mg/L	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	ND (<0.08)	0.27
TCLP Mercury	2	mg/L	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<0.01)
TCLP Selenium	1	mg/L	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)
TCLP Silver	5	mg/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)

Notes:
TCLP Metals by EPA Method 7470A
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
ND = not detected above the reporting limit (<RL)
mg/L = milligrams per liter
TCLP = toxicity characteristic leaching procedure
TCLP screening level from RCRA regulations, 40 Code of Federal Regulations (CFR) Part 261

Table 2
Summary of Target Analyte List Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**	**DWS-1-06-1-A**	**DWS-2-01-15-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**15**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Target Analyte List Metals**							
Aluminum	1,100,000	--	mg/kg	4,400	4,300	3,500	6,600	9,000	4,300	3,400	160000
Antimony	470	93	mg/kg	ND (<29)	ND (<30)	ND (<27)	ND (<28)	50	ND (<25)	ND (<24)	ND (<30)
Arsenic	3	95	mg/kg	ND (<29)	ND (<30)	**44**	ND (<28)	ND (<25)	ND (<25)	ND (<24)	ND (<30)
Barium	220,000	2,500	mg/kg	410	210	120	180	180	110	110	790
Beryllium	2,300	150	mg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)	ND (<6)	ND (<7.4)
Cadmium	980	74	mg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)	ND (<6)	9.9
Calcium	--	--	mg/kg	130,000	80,000	120,000	240,000	230,000	220,000	280,000	47,000
Chromium	--	1,100	mg/kg	100	95	230	100	110	61	47	160
Cobalt	350	80	mg/kg	12	16	15	8	6.9	7.6	ND (<6)	28
Copper	47,000	2,500	mg/kg	220	240	240	1,000	850	940	170	**21,000**
Iron	820,000	--	mg/kg	120,000	300,000	190,000	100,000	93,000	110,000	69,000	87,000
Total Lead	800	800	mg/kg	**1,600**	**1,400**	**1,300**	**4,000**	**11,000**	**810**	310	**1,600**
Magnesium	--	--	mg/kg	1,600	1,600	4,400	2,100	2,300	1,900	1,900	3,400
Manganese	26,000	--	mg/kg	700	1,800	870	690	560	1,200	330	800
Nickel	22,000	750	mg/kg	63	70	95	68	72	48	56	300
Potassium	--	--	mg/kg	ND (<360)	ND (<370)	ND (<330)	ND (<350)	ND (<310)	ND (<310)	ND (<300)	ND (<370)
Selenium	5,800	1,200	mg/kg	ND (<70)	ND (<71)	ND (<64)	ND (<66)	ND (<59)	ND (<60)	ND (<58)	ND (<71)
Silver	5,800	1,200	mg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)	ND (<6)	ND (<7.4)
Sodium	--	--	mg/kg	ND (<360)	ND (<370)	ND (<330)	ND (<350)	ND (<310)	ND (<310)	ND (<300)	ND (<370)
Thallium	12	12	mg/kg	ND (<29)	ND (<30)	ND (<27)	ND (<28)	**26**	ND (<25)	**25**	ND (<30)
Vanadium	5,800	770	mg/kg	9.6	15	12	10	14	9.3	6.4	21
Zinc	350,000	2,500	mg/kg	1,900	3,100	4,000	2,800	1,700	2,200	1,600	**14,000**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Mercury**							
Mercury	46	70	mg/kg	0.77	0.49	1.5	ND (<0.14)	0.16	0.24	0.13	0.46

Table 2
Summary of Target Analyte List Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**	**DWS-2-02-3-A**	**DWS-2-02-8-A**	**DWS-2-03-12-A**	**DWS-2-03-3-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**15**	**3**	**8**	**15**	**3**	**8**	**12**	**3**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Target Analyte List Metals**							
Aluminum	1,100,000	--	mg/kg	150,000	57,000	80,000	35,000	32,000	64,000	79,000	44,000
Antimony	470	93	mg/kg	ND (<30)	ND (<28)	ND (<30)	ND (<26)	ND (<24)	ND (<28)	ND (<28)	ND (<26)
Arsenic	3	95	mg/kg	ND (<30)	ND (<28)	ND (<30)	ND (<26)	ND (<24)	ND (<28)	ND (<28)	ND (<26)
Barium	220,000	2,500	mg/kg	860	910	600	1,100	690	820	970	560
Beryllium	2,300	150	mg/kg	ND (<7.4)	ND (<6.9)	ND (<7.5)	ND (<6.6)	ND (<6)	ND (<7)	ND (<7.1)	ND (<6.5)
Cadmium	980	74	mg/kg	10	26	27	24	18	52	27	27
Calcium	--	--	mg/kg	33,000	110,000	110,000	100,000	130,000	110,000	88,000	80,000
Chromium	--	1,100	mg/kg	190	230	200	290	180	220	210	180
Cobalt	350	80	mg/kg	33	39	29	43	32	28	41	26
Copper	47,000	2,500	mg/kg	**14,000**	**15,000**	**180,000**	**3,000**	2,000	**3,300**	**13,000**	2,400
Iron	820,000	--	mg/kg	120,000	130,000	98,000	160,000	140,000	120,000	130,000	130,000
Total Lead	800	800	mg/kg	**2,100**	**4,400**	**5,900**	**10,000**	**3,700**	**8,600**	**4,000**	**3,300**
Magnesium	--	--	mg/kg	2,100	3,000	2,400	3,500	3,000	2,600	5,400	3,700
Manganese	26,000	--	mg/kg	970	950	810	1,000	1,000	930	960	850
Nickel	22,000	750	mg/kg	280	250	180	240	260	280	250	210
Potassium	--	--	mg/kg	ND (<370)	ND (<340)	ND (<380)	ND (<330)	ND (<300)	ND (<350)	ND (<350)	ND (<330)
Selenium	5,800	1,200	mg/kg	ND (<71)	ND (<66)	ND (<72)	ND (<63)	ND (<58)	ND (<67)	ND (<68)	ND (<63)
Silver	5,800	1,200	mg/kg	ND (<7.4)	ND (<6.9)	12	ND (<6.6)	ND (<6)	ND (<7)	ND (<7.1)	ND (<6.5)
Sodium	--	--	mg/kg	ND (<370)	ND (<340)	ND (<380)	ND (<330)	ND (<300)	ND (<350)	ND (<350)	ND (<330)
Thallium	12	12	mg/kg	ND (<30)	ND (<28)	ND (<30)	ND (<26)	ND (<24)	ND (<28)	ND (<28)	ND (<26)
Vanadium	5,800	770	mg/kg	21	30	23	30	23	22	25	21
Zinc	350,000	2,500	mg/kg	**16,000**	**23,000**	**23,000**	**43,000**	**19,000**	**35,000**	**24,000**	**20,000**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Mercury**							
Mercury	46	70	mg/kg	0.49	ND (<0.14)	1.5	1.6	1.1	ND (<0.14)	1.7	ND (<0.13)

Table 2
Summary of Target Analyte List Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-2-03-6-A**	**DWS-2-04-0.5-A**	**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**	**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**6**	**0.5**	**3**	**9**	**0.5**	**3**	**4**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Target Analyte List Metals**							
Aluminum	1,100,000	--	mg/kg	53,000	5,600	11,000	39,000	15,000	20,000	12,000	96,000
Antimony	470	93	mg/kg	29	ND (<24)	ND (<27)	39	ND (<25)	ND (<29)	9.4	ND (<25)
Arsenic	3	95	mg/kg	ND (<28)	ND (<24)	ND (<27)	ND (<27)	ND (<25)	ND (<29)	2.7	ND (<25)
Barium	220,000	2,500	mg/kg	840	86	150	1,700	110	120	150	140
Beryllium	2,300	150	mg/kg	ND (<7)	ND (<6.1)	ND (<6.7)	ND (<6.7)	ND (<6.3)	ND (<7.2)	ND (<0.62)	ND (<6.3)
Cadmium	980	74	mg/kg	20	ND (<6.1)	ND (<6.7)	21	ND (<6.3)	ND (<7.2)	3.8	ND (<6.3)
Calcium	--	--	mg/kg	110,000	29,000	200,000	150,000	210,000	160,000	250,000	140,000
Chromium	--	1,100	mg/kg	210	52	190	320	140	160	92	630
Cobalt	350	80	mg/kg	31	7.4	17	43	11	8.7	8.7	25
Copper	47,000	2,500	mg/kg	**48,000**	270	340	**43,000**	160	270	350	230
Iron	820,000	--	mg/kg	140,000	96,000	190,000	150,000	130,000	65,000	82,000	87,000
Total Lead	800	800	mg/kg	**5,600**	300	**910**	**5,900**	390	420	370	270
Magnesium	--	--	mg/kg	2,500	1,900	2,100	3,200	1,800	2,200	1,700	1,600
Manganese	26,000	--	mg/kg	1,000	450	1,000	980	940	780	550	2,300
Nickel	22,000	750	mg/kg	180	45	86	370	59	59	55	140
Potassium	--	--	mg/kg	ND (<350)	ND (<300)	ND (<340)	ND (<330)	ND (<310)	ND (<360)	73	ND (<320)
Selenium	5,800	1,200	mg/kg	ND (<67)	ND (<58)	ND (<64)	ND (<64)	ND (<60)	ND (<69)	ND (<5.9)	ND (<61)
Silver	5,800	1,200	mg/kg	ND (<7)	ND (<6.1)	ND (<6.7)	ND (<6.7)	ND (<6.3)	ND (<7.2)	ND (<0.62)	ND (<6.3)
Sodium	--	--	mg/kg	ND (<350)	ND (<300)	ND (<340)	390	ND (<310)	ND (<360)	76	ND (<320)
Thallium	12	12	mg/kg	ND (<28)	ND (<24)	ND (<27)	ND (<27)	ND (<25)	ND (<29)	5.7	ND (<25)
Vanadium	5,800	770	mg/kg	29	7.5	20	35	20	25	16	130
Zinc	350,000	2,500	mg/kg	**24,000**	1,900	**5,900**	**29,000**	2,000	**2,700**	1,700	1,000
Analyte	**EPA RSL**	**TPESL**	**Units**	**Mercury**							
Mercury	46	70	mg/kg	0.98	ND (<0.12)	ND (<0.13)	1.5	0.24	0.27	0.5	0.39

Table 2
Summary of Target Analyte List Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**	**DWS-3-07-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**	**DWS-3-08-15-A**	**DWS-4-01-1-A**
Sample Date				**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**2**	**0-1**	**0-1**	**0-1**	**0-1**	**15**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Target Analyte List Metals**							
Aluminum	1,100,000	--	mg/kg	17,000	16,000	11,000	12,000	11,000	7,900	51,000	130,000
Antimony	470	93	mg/kg	2.8	3.2	8.1	9.2	3.8	ND (<2.6)	63	ND (<26)
Arsenic	3	95	mg/kg	**3.1**	**4**	ND (<2.5)	**5.2**	**3.2**	**3.3**	**11**	ND (<26)
Barium	220,000	2,500	mg/kg	73	82	52	68	52	54	590	48
Beryllium	2,300	150	mg/kg	ND (<0.66)	ND (<0.66)	ND (<0.63)	ND (<0.64)	ND (<0.64)	ND (<0.64)	ND (<0.62)	ND (<6.5)
Cadmium	980	74	mg/kg	2.6	3.6	2.9	3.3	3.1	2.9	17	ND (<6.5)
Calcium	--	--	mg/kg	260,000	250,000	290,000	260,000	270,000	290,000	99,000	78,000
Chromium	--	1,100	mg/kg	84	130	92	100	97	69	310	**1,100**
Cobalt	350	80	mg/kg	13	8	9.7	7.4	7.6	7	36	17
Copper	47,000	2,500	mg/kg	160	240	300	150	240	120	**2,700**	140
Iron	820,000	--	mg/kg	62,000	65,000	37,000	47,000	54,000	76,000	200,000	110,000
Total Lead	800	800	mg/kg	220	330	250	740	220	150	**11,000**	130
Magnesium	--	--	mg/kg	1,800	2,400	1,900	1,900	2,000	6,400	2,100	1,100
Manganese	26,000	--	mg/kg	390	540	320	400	400	370	1,100	640
Nickel	22,000	750	mg/kg	60	47	42	43	38	28	250	140
Potassium	--	--	mg/kg	170	120	110	130	110	110	200	ND (<330)
Selenium	5,800	1,200	mg/kg	ND (<6.3)	ND (<6.4)	ND (<6)	ND (<6.1)	ND (<6.1)	ND (<6.1)	ND (<5.9)	ND (<63)
Silver	5,800	1,200	mg/kg	ND (<0.66)	ND (<0.66)	ND (<0.63)	ND (<0.64)	ND (<0.64)	ND (<0.64)	2.7	ND (<6.5)
Sodium	--	--	mg/kg	160	81	100	100	76	92	260	ND (<330)
Thallium	12	12	mg/kg	6	5.3	6	6.1	6	5.8	ND (<2.5)	ND (<26)
Vanadium	5,800	770	mg/kg	20	24	26	28	20	17	23	140
Zinc	350,000	2,500	mg/kg	1,400	1,500	1,200	1,100	970	880	**12,000**	1,300
Analyte	**EPA RSL**	**TPESL**	**Units**	**Mercury**							
Mercury	46	70	mg/kg	0.24	0.37	0.43	0.23	0.37	0.51	4.8	0.31

Table 2
Summary of Target Analyte List Metals Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**	**DWS-4-03-6-A**	**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**0-1**	**4**	**4**	**6**	**0-1**	**3**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Target Analyte List Metals**					
Aluminum	1,100,000	--	mg/kg	110,000	9,900	5,200	5,200	8,200	13,000
Antimony	470	93	mg/kg	ND (<26)	ND (<24)	ND (<24)	3.2	ND (<24)	5.5
Arsenic	3	95	mg/kg	ND (<26)	ND (<24)	ND (<24)	ND (<2.4)	ND (<24)	ND (<2.4)
Barium	220,000	2,500	mg/kg	45	66	43	83	73	74
Beryllium	2,300	150	mg/kg	ND (<6.5)	ND (<5.9)	ND (<6)	ND (<0.6)	ND (<5.9)	ND (<0.61)
Cadmium	980	74	mg/kg	ND (<6.5)	8	ND (<6)	1.7	ND (<5.9)	5
Calcium	--	--	mg/kg	120,000	28,000	300,000	300,000	250,000	280,000
Chromium	--	1,100	mg/kg	910	100	50	48	75	110
Cobalt	350	80	mg/kg	16	6.5	ND (<6)	5.5	ND (<5.9)	6.9
Copper	47,000	2,500	mg/kg	140	140	340	960	170	1,900
Iron	820,000	--	mg/kg	96,000	72,000	37,000	64,000	67,000	49,000
Total Lead	800	800	mg/kg	110	200	130	80	150	440
Magnesium	--	--	mg/kg	1,400	2,400	4,000	2,000	2,000	1,700
Manganese	26,000	--	mg/kg	600	400	190	240	380	410
Nickel	22,000	750	mg/kg	130	42	20	22	34	43
Potassium	--	--	mg/kg	ND (<320)	ND (<300)	ND (<300)	110	ND (<300)	72
Selenium	5,800	1,200	mg/kg	ND (<62)	ND (<57)	ND (<58)	ND (<5.8)	ND (<57)	ND (<5.8)
Silver	5,800	1,200	mg/kg	ND (<6.5)	ND (<5.9)	ND (<6)	ND (<0.6)	ND (<5.9)	ND (<0.61)
Sodium	--	--	mg/kg	ND (<320)	ND (<300)	ND (<300)	88	ND (<300)	110
Thallium	12	12	mg/kg	ND (<26)	ND (<24)	**24**	6.8	**24**	5.7
Vanadium	5,800	770	mg/kg	160	17	9.2	8.5	14	21
Zinc	350,000	2,500	mg/kg	830	1,500	920	770	1,400	1,700
Analyte	**EPA RSL**	**TPESL**	**Units**	**Mercury**					
Mercury	46	70	mg/kg	0.21	ND (<0.12)	0.87	ND (<0.12)	0.19	0.36

Notes:
Target Analyte List Metals by EPA Method 6010 B and Mercury by EPA Method 7471A
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
ND = not detected above the reporting limit (<RL)
-- = Not Applicable
mg/kg = milligrams per kilogram
EPA RSL = U. S. Environmental Protection Agency Regional Screening Level for commercial soil, November 2019.
Guam EPA = Guam Environmental Protection Agency
TPESL = Tropical Pacific Environmental Commercial/Industrial Land Use Screening Level for shallow soils where groundwater is not a current or potential source of drinking water, Commonwealth of the Northern Mariana Islands Division of Environmental Quality (CNMI DEQ) and Guam EPA. 2017

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**					
4,4'-DDD	9,600	9,600	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	ND (<12)
4,4'-DDE	9,300	9,300	µg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	73
4,4'-DDT	8,500	1,900	µg/kg	ND (<15)	ND (<15)	43	ND (<14)	ND (<12)	ND (<12)
Aldrin	180	2,800	µg/kg	ND (<2.9)	ND (<3)	ND (<2.7)	ND (<2.8)	ND (<2.5)	ND (<2.5)
alpha-BHC	360	--	µg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)
beta-BHC	1,300	--	µg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)
Chlordane	7,700	7,600	µg/kg	580	1,600	**13,000**	ND (<42)	ND (<37)	ND (<37)
delta-BHC	--	--	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	ND (<12)
Dieldrin	140	7,900	µg/kg	ND (<2.9)	10	ND (<2.7)	ND (<2.8)	8.7	ND (<2.5)
Endosulfan I	--	4,400	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	ND (<12)
Endosulfan II	--	--	µg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	71
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	ND (<12)
Endrin	250,000	10,000	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	110
Endrin aldehyde	--	--	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	ND (<12)
Endrin ketone	--	--	µg/kg	ND (<7.3)	ND (<7.4)	60	ND (<6.9)	ND (<6.1)	ND (<6.2)
Gamma-BHC	2,500	29	µg/kg	ND (<7.3)	ND (<7.4)	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)
Heptachlor	630	6,300	µg/kg	4.4	ND (<3)	96	ND (<2.8)	ND (<2.5)	ND (<2.5)
Heptachlor epoxide	330	3,000	µg/kg	ND (<7.3)	13	ND (<6.7)	ND (<6.9)	ND (<6.1)	ND (<6.2)
Methoxychlor	4,100,000	5,400	µg/kg	ND (<15)	ND (<15)	ND (<13)	ND (<14)	ND (<12)	ND (<12)
Toxaphene	2,100	2,100	µg/kg	ND (<58)	ND (<59)	ND (<53)	ND (<55)	ND (<49)	ND (<50)

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-1-06-1-A**	**DWS-2-01-15-A**	**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**15**	**15**	**3**	**8**	**15**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**					
4,4'-DDD	9,600	9,600	µg/kg	ND (<12)	ND (<15)	ND (<15)	ND (<14)	ND (<15)	ND (<13)
4,4'-DDE	9,300	9,300	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	52	ND (<7.5)	ND (<6.6)
4,4'-DDT	8,500	1,900	µg/kg	ND (<12)	ND (<15)	ND (<15)	110	29	37
Aldrin	180	2,800	µg/kg	ND (<2.4)	ND (<3)	ND (<3)	45	ND (<3)	ND (<2.6)
alpha-BHC	360	--	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	ND (<6.9)	ND (<7.5)	ND (<6.6)
beta-BHC	1,300	--	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	ND (<6.9)	ND (<7.5)	ND (<6.6)
Chlordane	7,700	7,600	µg/kg	ND (<36)	ND (<44)	120	ND (<41)	380	260
delta-BHC	--	--	µg/kg	ND (<12)	ND (<15)	ND (<15)	ND (<14)	ND (<15)	ND (<13)
Dieldrin	140	7,900	µg/kg	ND (<2.4)	ND (<3)	ND (<3)	ND (<2.8)	ND (<3)	ND (<2.6)
Endosulfan I	--	4,400	µg/kg	ND (<12)	ND (<15)	ND (<15)	ND (<14)	ND (<15)	ND (<13)
Endosulfan II	--	--	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	57	14	16
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<12)	ND (<15)	ND (<15)	ND (<14)	ND (<15)	ND (<13)
Endrin	250,000	10,000	µg/kg	ND (<12)	ND (<15)	ND (<15)	76	ND (<15)	25
Endrin aldehyde	--	10,000	µg/kg	ND (<12)	ND (<15)	ND (<15)	ND (<14)	ND (<15)	ND (<13)
Endrin ketone	--	--	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	ND (<6.9)	ND (<7.5)	ND (<6.6)
Gamma-BHC	2,500	29	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	ND (<6.9)	ND (<7.5)	ND (<6.6)
Heptachlor	630	6,300	µg/kg	ND (<2.4)	ND (<3)	ND (<3)	ND (<2.8)	ND (<3)	ND (<2.6)
Heptachlor epoxide	330	3,000	µg/kg	ND (<6)	ND (<7.4)	ND (<7.4)	120	27	16
Methoxychlor	4,100,000	5,400	µg/kg	ND (<12)	ND (<15)	ND (<15)	39	ND (<15)	ND (<13)
Toxaphene	2,100	2,100	µg/kg	ND (<48)	ND (<59)	ND (<59)	ND (<55)	ND (<60)	ND (<52)

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-2-02-3-A**	**DWS-2-02-8-A**	**DWS-2-03-12-A**	**DWS-2-03-3-A**	**DWS-2-03-6-A**	**DWS-2-04-0.5-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**3**	**8**	**12**	**3**	**6**	**0.5**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**					
4,4'-DDD	9,600	9,600	µg/kg	ND (<12)	ND (<14)	ND (<56)	ND (<13)	ND (<14)	ND (<12)
4,4'-DDE	9,300	9,300	µg/kg	26	ND (<7)	320	68	ND (<7)	18
4,4'-DDT	8,500	1,900	µg/kg	60	24	ND (<56)	180	69	ND (<12)
Aldrin	180	2,800	µg/kg	ND (<2.4)	68	93	52	ND (<2.8)	4.5
alpha-BHC	360	--	µg/kg	ND (<6)	ND (<7)	ND (<28)	ND (<6.5)	ND (<7)	ND (<6.1)
beta-BHC	1,300	--	µg/kg	ND (<6)	ND (<7)	ND (<28)	ND (<6.5)	ND (<7)	ND (<6.1)
Chlordane	7,700	7,600	µg/kg	ND (<36)	ND (<42)	ND (<170)	ND (<39)	ND (<42)	150
delta-BHC	--	--	µg/kg	ND (<12)	ND (<14)	ND (<56)	ND (<13)	ND (<14)	ND (<12)
Dieldrin	140	7,900	µg/kg	ND (<2.4)	ND (<2.8)	ND (<11)	ND (<2.6)	ND (<2.8)	ND (<2.4)
Endosulfan I	--	4,400	µg/kg	ND (<12)	ND (<14)	ND (<56)	ND (<13)	ND (<14)	ND (<12)
Endosulfan II	--	--	µg/kg	36	32	210	120	39	21
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<12)	ND (<14)	ND (<56)	ND (<13)	ND (<14)	ND (<12)
Endrin	250,000	10,000	µg/kg	ND (<12)	ND (<14)	ND (<56)	120	62	22
Endrin aldehyde	--	10,000	µg/kg	ND (<12)	ND (<14)	83	ND (<13)	ND (<14)	ND (<12)
Endrin ketone	--	--	µg/kg	ND (<6)	ND (<7)	ND (<28)	ND (<6.5)	ND (<7)	ND (<6.1)
Gamma-BHC	2,500	29	µg/kg	ND (<6)	ND (<7)	ND (<28)	ND (<6.5)	ND (<7)	ND (<6.1)
Heptachlor	630	6,300	µg/kg	ND (<2.4)	ND (<2.8)	ND (<11)	ND (<2.6)	ND (<2.8)	ND (<2.4)
Heptachlor epoxide	330	3,000	µg/kg	42	52	250	110	100	ND (<6.1)
Methoxychlor	4,100,000	5,400	µg/kg	ND (<12)	ND (<14)	ND (<56)	ND (<13)	ND (<14)	ND (<12)
Toxaphene	2,100	2,100	µg/kg	ND (<48)	ND (<56)	ND (<230)	ND (<52)	ND (<56)	ND (<48)

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**	**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**3**	**9**	**0.5**	**3**	**4**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**					
4,4'-DDD	9,600	9,600	µg/kg	ND (<13)	ND (<13)	ND (<13)	ND (<14)	ND (<120)	ND (<13)
4,4'-DDE	9,300	9,300	µg/kg	ND (<6.7)	130	ND (<6.3)	ND (<7.2)	72	ND (<6.3)
4,4'-DDT	8,500	1,900	µg/kg	ND (<13)	ND (<13)	ND (<13)	ND (<14)	ND (<120)	ND (<13)
Aldrin	180	2,800	µg/kg	9.3	45	ND (<2.5)	3	45	ND (<2.5)
alpha-BHC	360	--	µg/kg	ND (<6.7)	ND (<6.7)	ND (<6.3)	ND (<7.2)	ND (<62)	ND (<6.3)
beta-BHC	1,300	--	µg/kg	ND (<6.7)	ND (<6.7)	ND (<6.3)	ND (<7.2)	ND (<62)	ND (<6.3)
Chlordane	7,700	7,600	µg/kg	ND (<40)	ND (<40)	ND (<38)	450	ND (<370)	ND (<38)
delta-BHC	--	--	µg/kg	ND (<13)	ND (<13)	ND (<13)	ND (<14)	ND (<120)	ND (<13)
Dieldrin	140	7,900	µg/kg	ND (<2.7)	ND (<2.7)	ND (<2.5)	ND (<2.9)	ND (<25)	ND (<2.5)
Endosulfan I	--	4,400	µg/kg	ND (<13)	100	ND (<13)	ND (<14)	ND (<120)	ND (<13)
Endosulfan II	--	--	µg/kg	34	ND (<6.7)	15	14	150	ND (<6.3)
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<13)	ND (<13)	ND (<13)	ND (<14)	ND (<120)	ND (<13)
Endrin	250,000	10,000	µg/kg	38	280	25	14	ND (<120)	ND (<13)
Endrin aldehyde	--	10,000	µg/kg	ND (<13)	130	ND (<13)	ND (<14)	ND (<120)	ND (<13)
Endrin ketone	--	--	µg/kg	ND (<6.7)	ND (<6.7)	ND (<6.3)	ND (<7.2)	ND (<62)	ND (<6.3)
Gamma-BHC	2,500	29	µg/kg	ND (<6.7)	ND (<6.7)	ND (<6.3)	ND (<7.2)	ND (<62)	ND (<6.3)
Heptachlor	630	6,300	µg/kg	ND (<2.7)	ND (<2.7)	ND (<2.5)	ND (<2.9)	ND (<25)	ND (<2.5)
Heptachlor epoxide	330	3,000	µg/kg	25	ND (<6.7)	ND (<6.3)	ND (<7.2)	90	ND (<6.3)
Methoxychlor	4,100,000	5,400	µg/kg	ND (<13)	ND (<13)	ND (<13)	ND (<14)	ND (<120)	ND (<13)
Toxaphene	2,100	2,100	µg/kg	ND (<54)	ND (<54)	ND (<50)	ND (<58)	ND (<500)	ND (<51)

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**	**DWS-3-07-1-A**	**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**
Sample Date				**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**2**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**					
4,4'-DDD	9,600	9,600	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
4,4'-DDE	9,300	9,300	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
4,4'-DDT	8,500	1,900	µg/kg	ND (<26)	ND (<13)	66	ND (<130)	ND (<51)	ND (<13)
Aldrin	180	2,800	µg/kg	ND (<5.2)	ND (<2.7)	ND (<2.5)	ND (<26)	ND (<10)	ND (<2.6)
alpha-BHC	360	--	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
beta-BHC	1,300	--	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
Chlordane	7,700	7,600	µg/kg	ND (<79)	65	160	ND (<380)	ND (<150)	ND (<39)
delta-BHC	--	--	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
Dieldrin	140	7,900	µg/kg	ND (<5.2)	ND (<2.7)	ND (<2.5)	ND (<26)	ND (<10)	ND (<2.6)
Endosulfan I	--	4,400	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
Endosulfan II	--	--	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
Endrin	250,000	10,000	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
Endrin aldehyde	--	10,000	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
Endrin ketone	--	--	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
Gamma-BHC	2,500	29	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
Heptachlor	630	6,300	µg/kg	ND (<5.2)	ND (<2.7)	ND (<2.5)	ND (<26)	ND (<10)	ND (<2.6)
Heptachlor epoxide	330	3,000	µg/kg	ND (<13)	ND (<6.6)	ND (<6.3)	ND (<64)	ND (<25)	ND (<6.5)
Methoxychlor	4,100,000	5,400	µg/kg	ND (<26)	ND (<13)	ND (<13)	ND (<130)	ND (<51)	ND (<13)
Toxaphene	2,100	2,100	µg/kg	ND (<100)	ND (<53)	ND (<50)	ND (<510)	ND (<200)	ND (<52)

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-3-08-15-A**	**DWS-4-01-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**	**DWS-4-03-6-A**
Sample Date				**10/03/2019**	**10/02/2019**	**10/03/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**15**	**0-1**	**0-1**	**4**	**4**	**6**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**					
4,4'-DDD	9,600	9,600	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
4,4'-DDE	9,300	9,300	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
4,4'-DDT	8,500	1,900	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Aldrin	180	2,800	µg/kg	ND (<25)	ND (<2.6)	ND (<200)	ND (<2.4)	ND (<2.4)	ND (<4.8)
alpha-BHC	360	--	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
beta-BHC	1,300	--	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
Chlordane	7,700	7,600	µg/kg	ND (<370)	ND (<39)	ND (<3100)	ND (<36)	ND (<36)	ND (<72)
delta-BHC	--	--	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Dieldrin	140	7,900	µg/kg	ND (<25)	ND (<2.6)	ND (<200)	ND (<2.4)	ND (<2.4)	ND (<4.8)
Endosulfan I	--	4,400	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Endosulfan II	--	--	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Endrin	250,000	10,000	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Endrin aldehyde	--	10,000	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Endrin ketone	--	--	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
Gamma-BHC	2,500	29	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
Heptachlor	630	6,300	µg/kg	ND (<25)	ND (<2.6)	ND (<200)	ND (<2.4)	ND (<2.4)	ND (<4.8)
Heptachlor epoxide	330	3,000	µg/kg	ND (<62)	ND (<6.5)	ND (<510)	ND (<5.9)	ND (<6)	ND (<12)
Methoxychlor	4,100,000	5,400	µg/kg	ND (<120)	ND (<13)	ND (<1000)	ND (<12)	ND (<12)	ND (<24)
Toxaphene	2,100	2,100	µg/kg	ND (<490)	ND (<52)	ND (<4100)	94	ND (<48)	ND (<96)

Table 3
Summary of Organochlorine Pesticides Analytical Data
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date				**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**0-1**	**3**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Organochlorine Pesticides**	
4,4'-DDD	9,600	9,600	µg/kg	ND (<12)	ND (<970)
4,4'-DDE	9,300	9,300	µg/kg	ND (<5.9)	ND (<490)
4,4'-DDT	8,500	1,900	µg/kg	ND (<12)	ND (<970)
Aldrin	180	2,800	µg/kg	ND (<2.4)	ND (<190)
alpha-BHC	360	--	µg/kg	ND (<5.9)	ND (<490)
beta-BHC	1,300	--	µg/kg	ND (<5.9)	ND (<490)
Chlordane	7,700	7,600	µg/kg	ND (<36)	ND (<2900)
delta-BHC	--	--	µg/kg	ND (<12)	ND (<970)
Dieldrin	140	7,900	µg/kg	ND (<2.4)	ND (<190)
Endosulfan I	--	4,400	µg/kg	ND (<12)	ND (<970)
Endosulfan II	--	--	µg/kg	ND (<5.9)	ND (<490)
Endosulfan sulfate	4,900,000	--	µg/kg	ND (<12)	ND (<970)
Endrin	250,000	10,000	µg/kg	ND (<12)	ND (<970)
Endrin aldehyde	--	10,000	µg/kg	ND (<12)	ND (<970)
Endrin ketone	--	--	µg/kg	ND (<5.9)	ND (<490)
Gamma-BHC	2,500	29	µg/kg	ND (<5.9)	ND (<490)
Heptachlor	630	6,300	µg/kg	ND (<2.4)	ND (<190)
Heptachlor epoxide	330	3,000	µg/kg	ND (<5.9)	ND (<490)
Methoxychlor	4,100,000	5,400	µg/kg	ND (<12)	ND (<970)
Toxaphene	2,100	2,100	µg/kg	ND (<47)	ND (<3900)

Notes:
Organochlorine Pesticides by EPA Method 8081A
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
-- = Not Applicable
µg/kg = micrograms per kilogram
EPA RSL = U. S. Environmental Protection Agency Regional Screening Level for commercial soil, November 2019.
Guam EPA = Guam Environmental Protection Agency
ND = not detected above the reporting limit (<RL)
TPESL = Tropical Pacific Environmental Commercial/Industrial Land Use Screening Level for shallow soils where groundwater is not a current or pot water, Commonwealth of the Northern Mariana Islands Division of Environmental Quality (CNMI DEQ) and Guam EPA. 2017.

Table 4
Summary of Total Petroleum Hydrocarbons Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**	**DWS-1-06-1-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons**						
TPH-d	500	mg/kg	**790**	**520**	**590**	250	210	270	170
TPH-mo	2500	mg/kg	1,600	1,100	1,300	650	550	550	400
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons as Gasoline**						
TPH-g	500	mg/kg	ND (<1.5)	ND (<1)	ND (<2.7)	ND (<0.53)	ND (<0.56)	ND (<0.84)	ND (<0.58)

Sample ID			**DWS-2-01-15-A**	**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**	**DWS-2-02-3-A**	**DWS-2-02-8-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**15**	**15**	**3**	**8**	**15**	**3**	**8**
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons**						
TPH-d	500	mg/kg	**1200**	240	360	**650**	**1,800**	420	**780**
TPH-mo	2500	mg/kg	1,800	460	830	1,300	**3,800**	710	1,700
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons as Gasoline**						
TPH-g	500	mg/kg	ND (<0.39)	ND (<0.48)	ND (<0.39)	ND (<0.78)	ND (<0.26)	ND (<0.72)	ND (<0.7)

Table 4
Summary of Total Petroleum Hydrocarbons Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-2-03-12-A**	**DWS-2-03-3-A**	**DWS-2-03-6-A**	**DWS-2-04-0.5-A**	**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**12**	**3**	**6**	**0.5**	**3**	**9**	**0.5**
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons**						
TPH-d	500	mg/kg	**800**	270	**640**	79	130	**630**	230
TPH-mo	2500	mg/kg	1,300	670	1,200	220	300	1,100	490
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons as Gasoline**						
TPH-g	500	mg/kg	ND (<0.68)	ND (<0.29)	ND (<0.36)	ND (<0.24)	ND (<2.4)	ND (<0.62)	ND (<0.25)

Sample ID			**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**	**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**
Sample Date			**10/02/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**3**	**4**	**0-1**	**0-1**	**2**	**0-1**	**0-1**
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons**						
TPH-d	500	mg/kg	200	160	90	120	97	54	150
TPH-mo	2500	mg/kg	360	320	180	250	230	150	270
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons as Gasoline**						
TPH-g	500	mg/kg	ND (<0.81)	ND (<0.35)	ND (<0.25)	ND (<0.26)	ND (<0.27)	ND (<0.25)	ND (<0.28)

Table 4
Summary of Total Petroleum Hydrocarbons Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-3-07-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**	**DWS-3-08-15-A**	**DWS-4-01-1-A**	**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**
Sample Date			**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**0-1**	**15**	**0-1**	**0-1**	**4**	**4**
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons**						
TPH-d	500	mg/kg	110	99	850	91	47	320	92
TPH-mo	2500	mg/kg	240	240	1,600	170	140	560	190
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons as Gasoline**						
TPH-g	500	mg/kg	ND (<0.25)	ND (<0.26)	ND (<0.25)	ND (<0.44)	ND (<0.52)	ND (<0.28)	ND (<0.38)

Sample ID			**DWS-4-03-6-A**	**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date			**10/03/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**6**	**0-1**	**3**
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons**		
TPH-d	500	mg/kg	100	250	260
TPH-mo	2500	mg/kg	200	440	530
Analyte	**TPESL**	**Units**	**Total Petroleum Hydrocarbons as Gasoline**		
TPH-g	500	mg/kg	ND (<0.36)	ND (<0.26)	ND (<0.27)

Notes:
TPH-d and -m by EPA Method 8015M
TPH-g by EPA Method 8015B
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
-- = Not Applicable
EPA = Environmental Protection Agencry
EPA RSL = U. S. Environmental Protection Agency Regional Screening Level for commercial soil, November 2019.
mg/kg = milligrams per kilogram
Guam EPA = Guam Environmental Protection Agency
ND = not detected above the reporting limit (<RL)
TPESL = Tropical Pacific Environmental Commercial/Industrial Land Use Screening Level for shallow soils where groundwater is not a current or potential source of drinking water, Commonwealth of the Northern Mariana Islands Division of Environmental Quality (CNMI DEQ) and Guam EPA, 2017
TPH = Total Petroleum Hydrocarbons
TPH-d = Total Petroleum Hydrocarbons as diesel
TPH-mo = Total Petroleum Hydrocarbons as motor oil
TPH-g = Total Petroleum Hydrocarbons as gasoline
TPH-g samples were collected using sodium bisulfate preservative, which produced a fizzing reaction on contact with the carbonate rich soil. TPH-g may have escaped the vials due to the reaction. However, the screening level for this contaminant is over 180 times the highest reporting limit. Therefore, there is likely no TPH-g above screening levels in the sampled soils.

Table 5
Summary of Polychlorinated Biphenyls Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**					
PCB Aroclor 1016	27000	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	ND (<35)	ND (<31)	ND (<310)
PCB Aroclor 1221	830	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	ND (<35)	ND (<31)	ND (<310)
PCB Aroclor 1232	720	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	ND (<35)	ND (<31)	ND (<310)
PCB Aroclor 1242	950	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	ND (<35)	ND (<31)	ND (<310)
PCB Aroclor 1248	950	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	ND (<35)	ND (<31)	**690**
PCB Aroclor 1254	970	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	260	99	**2,600**
PCB Aroclor 1260	990	--	µg/kg	ND (<36)	ND (<37)	ND (<33)	ND (<35)	ND (<31)	ND (<310)
Total PCBs		9700	µg/kg	ND (<36)	ND (<37)	ND (<33)	260	99	3290

Sample ID				**DWS-1-06-1-A**	**DWS-2-01-15-A**	**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**0-1**	**15**	**15**	**3**	**8**	**15**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**					
PCB Aroclor 1016	27000	--	µg/kg	ND (<30)	ND (<37)	ND (<37)	ND (<480)	ND (<150)	ND (<130)
PCB Aroclor 1221	830	--	µg/kg	ND (<30)	ND (<37)	ND (<37)	ND (<480)	ND (<150)	ND (<130)
PCB Aroclor 1232	720	--	µg/kg	ND (<30)	ND (<37)	ND (<37)	ND (<480)	ND (<150)	ND (<130)
PCB Aroclor 1242	950	--	µg/kg	ND (<30)	ND (<37)	ND (<37)	ND (<480)	ND (<150)	ND (<130)
PCB Aroclor 1248	950	--	µg/kg	ND (<30)	ND (<37)	210	**5,800**	**1,400**	**960**
PCB Aroclor 1254	970	--	µg/kg	140	ND (<37)	ND (<37)	**4,300**	**1,000**	850
PCB Aroclor 1260	990	--	µg/kg	ND (<30)	ND (<37)	ND (<37)	ND (<480)	ND (<150)	ND (<130)
Total PCBs		9700	µg/kg	140	ND (<37)	210	**10100**	2400	1810

Table 5
Summary of Polychlorinated Biphenyls Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-2-02-3-A**	**DWS-2-02-8-A**	**DWS-2-03-12-A**	**DWS-2-03-3-A**	**DWS-2-03-6-A**	**DWS-2-04-0.5-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)				**3**	**8**	**12**	**3**	**6**	**0.5**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**					
PCB Aroclor 1016	27000	--	µg/kg	ND (<180)	ND (<350)	ND (<850)	ND (<460)	ND (<700)	ND (<120)
PCB Aroclor 1221	830	--	µg/kg	ND (<180)	ND (<350)	ND (<850)	ND (<460)	ND (<700)	ND (<120)
PCB Aroclor 1232	720	--	µg/kg	ND (<180)	ND (<350)	ND (<850)	ND (<460)	ND (<700)	ND (<120)
PCB Aroclor 1242	950	--	µg/kg	ND (<180)	ND (<350)	ND (<850)	ND (<460)	ND (<700)	ND (<120)
PCB Aroclor 1248	950	--	µg/kg	ND (<180)	**5,900**	**8,600**	**4,400**	**6,300**	ND (<120)
PCB Aroclor 1254	970	--	µg/kg	**1,800**	**2,100**	**7,600**	**3,400**	ND (<700)	780
PCB Aroclor 1260	990	--	µg/kg	ND (<180)	ND (<350)	ND (<850)	ND (<460)	ND (<700)	ND (<120)
Total PCBs		9700	µg/kg	1800	8000	**16200**	7800	6300	780

Sample ID				**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**	**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**
Sample Date				**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**3**	**9**	**0.5**	**3**	**4**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**					
PCB Aroclor 1016	27000	--	µg/kg	ND (<130)	ND (<870)	ND (<31)	ND (<36)	ND (<2500)	ND (<32)
PCB Aroclor 1221	830	--	µg/kg	ND (<130)	ND (<870)	ND (<31)	ND (<36)	ND (<2500)	ND (<32)
PCB Aroclor 1232	720	--	µg/kg	ND (<130)	ND (<870)	ND (<31)	ND (<36)	ND (<2500)	ND (<32)
PCB Aroclor 1242	950	--	µg/kg	ND (<130)	ND (<870)	ND (<31)	ND (<36)	ND (<2500)	ND (<32)
PCB Aroclor 1248	950	--	µg/kg	820	**3,600**	ND (<31)	ND (<36)	**6,800**	180
PCB Aroclor 1254	970	--	µg/kg	**1,300**	**9,100**	600	ND (<36)	**4,300**	180
PCB Aroclor 1260	990	--	µg/kg	ND (<130)	ND (<870)	ND (<31)	ND (<36)	ND (<2500)	ND (<32)
Total PCBs		9700	µg/kg	2120	**12700**	600	0	**11100**	360

Table 5
Summary of Polychlorinated Biphenyls Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**	**DWS-3-07-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**
Sample Date				**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**0-1**	**2**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**					
PCB Aroclor 1016	27000	--	µg/kg	ND (<66)	ND (<33)	ND (<32)	ND (<320)	ND (<130)	ND (<2600)
PCB Aroclor 1221	830	--	µg/kg	ND (<66)	ND (<33)	ND (<32)	ND (<320)	ND (<130)	ND (<2600)
PCB Aroclor 1232	720	--	µg/kg	ND (<66)	ND (<33)	ND (<32)	ND (<320)	ND (<130)	ND (<2600)
PCB Aroclor 1242	950	--	µg/kg	ND (<66)	ND (<33)	ND (<32)	ND (<320)	ND (<130)	ND (<2600)
PCB Aroclor 1248	950	--	µg/kg	ND (<66)	84	ND (<32)	ND (<320)	ND (<130)	ND (<2600)
PCB Aroclor 1254	970	--	µg/kg	ND (<66)	120	ND (<32)	ND (<320)	ND (<130)	ND (<2600)
PCB Aroclor 1260	990	--	µg/kg	180	ND (<33)	ND (<32)	380	240	ND (<2600)
Total PCBs		9700	µg/kg	180	204	ND (<32)	380	240	ND (<2600)

Sample ID				**DWS-3-08-15-A**	**DWS-4-01-1-A**	**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**	**DWS-4-03-6-A**
Sample Date				**10/03/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**15**	**0-1**	**0-1**	**4**	**4**	**6**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**					
PCB Aroclor 1016	27000	--	µg/kg	ND (<310)	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
PCB Aroclor 1221	830	--	µg/kg	ND (<310)	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
PCB Aroclor 1232	720	--	µg/kg	ND (<310)	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
PCB Aroclor 1242	950	--	µg/kg	ND (<310)	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
PCB Aroclor 1248	950	--	µg/kg	**2,100**	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
PCB Aroclor 1254	970	--	µg/kg	**2,000**	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
PCB Aroclor 1260	990	--	µg/kg	ND (<310)	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)
Total PCBs		9700	µg/kg	4100	ND (<33)	ND (<32)	ND (<30)	ND (<30)	ND (<60)

Table 5
Summary of Polychlorinated Biphenyls Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID				**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date				**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)				**0-1**	**3**
Analyte	**EPA RSL**	**TPESL**	**Units**	**Polychlorinated Biphenyls**	
PCB Aroclor 1016	27000	--	µg/kg	ND (<30)	ND (<2400)
PCB Aroclor 1221	830	--	µg/kg	ND (<30)	ND (<2400)
PCB Aroclor 1232	720	--	µg/kg	ND (<30)	ND (<2400)
PCB Aroclor 1242	950	--	µg/kg	ND (<30)	ND (<2400)
PCB Aroclor 1248	950	--	µg/kg	ND (<30)	ND (<2400)
PCB Aroclor 1254	970	--	µg/kg	ND (<30)	ND (<2400)
PCB Aroclor 1260	990	--	µg/kg	ND (<30)	ND (<2400)
Total PCBs		9700	µg/kg	ND (<30)	ND (<2400)

Notes:
PCBs by EPA Method 8082
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
ND = not detected above the reporting limit (<RL)
-- = Not Applicable
µg/kg = micrograms per kilogram
All PCB concentrations were below the 50 mg/kg level for hazardous waste specified in EPA Toxic Substances Control Act (TSCA) regulations under CFR Title 40, Part 761 Subpart D.
EPA RSL = U. S. Environmental Protection Agency Regional Screening Level for commercial soil, November 2019.
Guam EPA = Guam Environmental Protection Agency
PCB = polychlorinated biphenyl
Total PCBs = Total PCBs as combined concentration of all measured PCB Aroclors.
TPESL = Tropical Pacific Environmental Commercial/Industrial Land Use Screening Level for shallow soils where groundwater is not a current or potential source of drinking water, Commonwealth of the Northern Mariana Islands Division of Environmental Quality (CNMI DEQ) and Guam EPA. 2017.

Table 6
Summary of TCLP Semivolatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**					
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)

Sample ID			**DWS-1-06-1-A**	**DWS-2-01-15-A**	**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**15**	**15**	**3**	**8**	**15**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**					
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)

Table 6
Summary of TCLP Semivolatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-2-02-3-A**	**DWS-2-02-8-A**	**DWS-2-03-12-A**	**DWS-2-03-3-A**	**DWS-2-03-6-A**	**DWS-2-04-0.5-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**3**	**8**	**12**	**3**	**6**	**0.5**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**					
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)

Sample ID			**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**	**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**3**	**9**	**0.5**	**3**	**4**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**					
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)

Table 6
Summary of TCLP Semivolatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**	**DWS-3-07-1-A**	**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**
Sample Date			**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**2**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**					
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)

Sample ID			**DWS-3-08-15-A**	**DWS-4-01-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**	**DWS-4-03-6-A**
Sample Date			**10/03/2019**	**10/02/2019**	**10/03/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**15**	**0-1**	**0-1**	**4**	**4**	**6**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**					
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)

Table 6
Summary of TCLP Semivolatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date			**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**0-1**	**3**
Analyte	**Screening Level**	**Units**	**TCLP SVOC**	
1,4-Dichlorobenzene	7500	µg/L	ND (<100)	ND (<100)
2,4,5-Trichlorophenol	400000	µg/L	ND (<100)	ND (<100)
2,4,6-Trichlorophenol	2000	µg/L	ND (<100)	ND (<100)
2,4-Dinitrotoluene	130	µg/L	ND (<100)	ND (<100)
Hexachlorobenzene	130	µg/L	ND (<100)	ND (<100)
Hexachlorobutadiene	500	µg/L	ND (<100)	ND (<100)
Hexachloroethane	--	µg/L	ND (<100)	ND (<100)
m,p-Cresol	200000	µg/L	ND (<100)	ND (<100)
Nitrobenzene	2000	µg/L	ND (<100)	ND (<100)
o-Cresol	200000	µg/L	ND (<100)	ND (<100)
Pentachlorophenol	100000	µg/L	ND (<400)	ND (<400)
Pyridine	5000	µg/L	ND (<1000)	ND (<1000)

Notes:
TCLP SVOCs by EPA Method 8270C
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
-- = Not Applicable
µg/L = micrograms per liter
ND = not detected above the reporting limit (<RL)
SVOC = Semivolatile Organic Compound
TCLP = toxicity characteristic leaching procedure
TCLP SVOC screening levels by Resource Conservation and Recovery Act (RCRA) regulations, 40 Code of Federal Regulations (CFR) Part 261

Table 7
Summary of TCLP Volatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-1-01-1-A**	**DWS-9-02-1-A (Duplicate of DWS-1-01-1-A)**	**DWS-1-02-1-A**	**DWS-1-03-1-A**	**DWS-1-04-1-A**	**DWS-1-05-1-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**0-1**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**					
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)

Sample ID			**DWS-1-06-1-A**	**DWS-2-01-15-A**	**DWS-9-01-15-A (Duplicate of DWS-2-01-15-A)**	**DWS-2-01-3-A**	**DWS-2-01-8-A**	**DWS-2-02-15-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**15**	**15**	**3**	**8**	**15**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**					
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)

Table 7
Summary of TCLP Volatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-2-02-3-A**	**DWS-2-02-8-A**	**DWS-2-03-12-A**	**DWS-2-03-3-A**	**DWS-2-03-6-A**	**DWS-2-04-0.5-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**3**	**8**	**12**	**3**	**6**	**0.5**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**					
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)

Sample ID			**DWS-2-04-3-A**	**DWS-2-04-9-A**	**DWS-2-05-0.5-A**	**DWS-2-05-3-A**	**DWS-3-01-4-A**	**DWS-3-02-1-A**
Sample Date			**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**3**	**9**	**0.5**	**3**	**4**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**					
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)

Table 7
Summary of TCLP Volatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-3-03-1-A**	**DWS-3-04-2-A**	**DWS-3-05-1-A**	**DWS-3-06-1-A**	**DWS-3-07-1-A**	**DWS-9-03-1-A (Duplicate of DWS-4-01-1-A)**
Sample Date			**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/03/2019**	**10/02/2019**
Sample Depth (feet below ground surface)			**0-1**	**2**	**0-1**	**0-1**	**0-1**	**0-1**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**					
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)

Sample ID			**DWS-3-08-15-A**	**DWS-4-01-1-A**	**DWS-9-04-1-A (Duplicate of DWS-3-07-1-A)**	**DWS-4-02-4-A**	**DWS-4-03-4-A**	**DWS-4-03-6-A**
Sample Date			**10/03/2019**	**10/02/2019**	**10/03/2019**	**10/02/2019**	**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**15**	**0-1**	**0-1**	**4**	**4**	**6**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**					
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)	ND (<100)

Table 7
Summary of TCLP Volatile Organic Compounds Analytical Results
Dededo Waste Transfer Site
Dededo, Guam, Commonwealth of the Northern Marianas Islands

Sample ID			**DWS-4-04-1-A**	**DWS-4-04-3-A**
Sample Date			**10/02/2019**	**10/03/2019**
Sample Depth (feet below ground surface)			**0-1**	**3**
Analyte	**Screening Level**	**Units**	**TCLP VOCs**	
1,1-Dichloroethene	700	µg/L	ND (<100)	ND (<100)
1,2-Dichloroethane	500	µg/L	ND (<100)	ND (<100)
1,4-Dichlorobenzene	7,500	µg/L	ND (<100)	ND (<100)
2-Butanone (MEK)	200,000	µg/L	ND (<500)	ND (<500)
Acetone	--	µg/L	ND (<1000)	ND (<1000)
Benzene	500	µg/L	ND (<100)	ND (<100)
Carbon tetrachloride	500	µg/L	ND (<100)	ND (<100)
Chlorobenzene	100,000	µg/L	ND (<100)	ND (<100)
Chloroform	6,000	µg/L	ND (<100)	ND (<100)
Tetrachloroethene	700	µg/L	ND (<100)	ND (<100)
Trichloroethene	500	µg/L	ND (<100)	ND (<100)
Vinyl chloride	200	µg/L	ND (<100)	ND (<100)

Notes:
TCLP VOCs by EPA Method 8260B
Bold, Underlined, and Highlighted = Analytical result exceeds screening levels
µg/L = micrograms per Liter
-- = Not Applicable
ND = not detected above the reporting limit (<RL)
VOC = Volatile Organic Compound
TCLP = toxicity characteristic leaching procedure
TCLP VOC screening levels by Resource Conservation and Recovery Act (RCRA) regulations, 40 Code of Federal Regulations (CFR) Part 261

APPENDIX A
PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No.	Date:
1	9/30/2019

Description:
Facing northeast toward Areas 1 and 2 from the center of the Site, before clearing of vegetation.

Photo No.	Date:
2	9/30/2019

Description:
Facing northwest toward Areas 3A, 3B, and 4 from the center of the Site, before clearing of vegetation.

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No.	Date:
3	10/01/2019

Description:
Facing northeast toward Area 2 ridge

Photo No.	Date:
4	10/01/2019

Description:
Empty above ground storage tank between Areas 1 and 2.

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No.	Date:
5	10/01/2019

Description:
Assorted gas cylinders between Areas 1 and 2.

Photo No.	Date:
6	10/01/2019

Description:
Sampling trench on ridge face at Area 2, sampling location 2. Sampling trench was made using an excavator and samples were taken from undisturbed soil.

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No. 7	Date: 10/01/2019

Description:
Soil on ridge face at Area 2, sampling location 1. Sampling trench was made using an excavator and samples were taken from undisturbed soil. Soil was brown with flecks of blueish and whitish material. Photo was taken facing east.

Photo No. 8	Date: 10/01/2019

Description:
Sampling location 5 at Area 2. Southernmost sampling trench along Area 2 ridge. Soil was reddish brown. Some larger debris and auto-fluff was evident in pile, along with small debris thoroughly mixed in with the soil. Photo was taken facing east.

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No.	Date:
9	10/01/2019

Description:
Middle sampling trench at Area 1. Conex box in the background forms western border of Area 1. Pile consisted of large debris including metal scrap, white goods, glass, tires, and plastic. A thin layer of soil was mixed with the debris was at the bottom of the pile, and the pile sat partially on a concrete slab, partially on a fill material assumed to be limestone or coral fill, and partially on soil. Photo was taken facing west.

Photo No.	Date:
10	10/02/019

Description:
Sampling location 2 at Area 4. Sampling location had a core of soil with a layer of large debris around it. Photo was taken facing northwest.

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No. 11	Date: 10/02/2019

Description:
Sampling location 3 at Area 4. Sampling location consisted soil with high debris content, surrounded by a layer of large debris. Photograph was taken facing west.

Photo No. 12	Date: 10/02/2019

Description:
Sampling location 4 at Area 4. Debris at sampling location appeared to be partially compacted. No core of soil, as seen at other sampling locations at Area 4, was evident here. Photograph was taken facing southwest.

PHOTOGRAPHIC LOG

Project Name: Dededo Waste Transfer Station	Site Location: Dededo, Guam	DCN: 0034-08-AABW

Photo No. 13	Date: 10/02/2019

Description:
Ridge separating Area 3A and Area 3B, and location of Area 3 sampling location 8. Three distinct layers were observed in the ridge face: a layer of brown soil approximately 11 ft high, a layer of white granular material assumed to be limestone or coral fill approximately 3 feet thick, and finally a layer of mixed soil and debris approximately 1 ft thick at the top. Sample was taken of the soil mixed with debris. Photo was taken facing north.

Photo No. 14	Date: 10/02/2019

Description:
Middle sampling trench in Area 3A. Pile was a mix of large debris such as white goods, metal scrap, and autofluff, mixed with brown soil. Photo was taken facing east.

APPENDIX B
LABORATORY REPORTS

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576
Expiration Date: 2020
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client:	Weston Solutions, Inc.
Laboratory Reference:	WST 24627
Project Name:	Dededo Transfer Station, Guam
Project Number:	20905.016.024.0034
Date Received:	10/7/2019
Date Reported:	10/25/2019
Chain of Custody Received:	☑
Analytical Method:	8015B, 8081A, 8082, 1311/8260B, 1311/8270C, 6010B, 7471A, 1311/6010B, 1311/7470A, Moisture,

Mark Noorani, Laboratory Director

 Rev1.0

Mr. Rick Mehl
Weston Solutions, Inc.
2300 Clayton Rd Ste 900
Concord, CA, 94520

Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at ºC, on ice.

2 coolers received on ice IR#1 2.6+(- 0.2) = 2.4ºC, 3.6+(-0.2) = 3.4ºC

Sample DWS-4-01-1-A (24627-023): 1 VOA broken and 2 VOAs intact.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

Soil sample results reported in dry weight, reporting/detection limits are adjusted accordingly. Spike sample results are reported in wet weight.

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-15-A	24627-001	10/7/2019	10/2/2019	Soil
DWS-2-01-8-A	24627-002	10/7/2019	10/2/2019	Soil
DWS-2-02-15-A	24627-003	10/7/2019	10/2/2019	Soil
DWS-1-04-1-A	24627-004	10/7/2019	10/2/2019	Soil
DWS-1-03-1-A	24627-005	10/7/2019	10/2/2019	Soil
DWS-2-04-0.5-A	24627-006	10/7/2019	10/2/2019	Soil
DWS-2-02-8-A	24627-007	10/7/2019	10/2/2019	Soil
DWS-2-03-3-A	24627-008	10/7/2019	10/2/2019	Soil
DWS-2-01-3-A	24627-009	10/7/2019	10/2/2019	Soil
DWS-2-04-3-A	24627-010	10/7/2019	10/2/2019	Soil
DWS-9-01-1-A	24627-011	10/7/2019	10/2/2019	Soil
DWS-1-02-1-A	24627-012	10/7/2019	10/2/2019	Soil
DWS-1-01-1-A	24627-013	10/7/2019	10/2/2019	Soil
DWS-2-05-0.5-A	24627-014	10/7/2019	10/2/2019	Soil
DWS-9-03-1-A	24627-015	10/7/2019	10/2/2019	Soil
DWS-4-02-4-A	24627-016	10/7/2019	10/2/2019	Soil
DWS-4-04-1-A	24627-017	10/7/2019	10/2/2019	Soil
DWS-4-03-4-A	24627-018	10/7/2019	10/2/2019	Soil
DWS-2-04-9-A	24627-019	10/7/2019	10/2/2019	Soil
DWS-2-03-6-A	24627-020	10/7/2019	10/2/2019	Soil
DWS-2-05-3-A	24627-021	10/7/2019	10/2/2019	Soil
DWS-1-06-1-A	24627-022	10/7/2019	10/2/2019	Soil
DWS-4-01-1-A	24627-023	10/7/2019	10/2/2019	Soil
DWS-2-02-3-A	24627-024	10/7/2019	10/2/2019	Soil
DWS-1-05-1-A	24627-025	10/7/2019	10/2/2019	Soil
DWS-2-03-12-A	24627-026	10/7/2019	10/2/2019	Soil
DWS-9-01-15-A	24627-027	10/7/2019	10/2/2019	Soil

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/10/2019 10:00	10/11/2019 7:37	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	1200	Octacosane	124
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/10/2019 10:00	10/11/2019 7:37	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1800	Octacosane	124
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/10/2019 10:00	10/11/2019 8:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	650	Octacosane	128
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/10/2019 10:00	10/11/2019 8:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1300	Octacosane	128
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/10/2019 10:00	10/14/2019 13:20	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	1800	Octacosane	Matrix
		* Acc Recovery:	45-170 %

Dilution Factor: 10
Data Qualifiers: D2, S10,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/10/2019 10:00	10/14/2019 13:20	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	3800	Octacosane	Matrix

Dilution Factor: 10
Data Qualifiers: D2, S10,
* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/10/2019 10:00	10/11/2019 8:45	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	210	Octacosane	119

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/10/2019 10:00	10/11/2019 8:45	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	550	Octacosane	119

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/10/2019 10:00	10/11/2019 9:18	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	250	Octacosane	121

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/10/2019 10:00	10/11/2019 9:18	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	650	Octacosane	121

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 45-170 %

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/10/2019 10:00	10/11/2019 9:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	79	Octacosane	114
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/10/2019 10:00	10/11/2019 9:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	220	Octacosane	114
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/10/2019 10:00	10/11/2019 10:25	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	780	Octacosane	128
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/10/2019 10:00	10/11/2019 10:25	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1700	Octacosane	128
		* Acc Recovery:	45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 10:00	10/11/2019 10:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	270	Octacosane	88
		* Acc Recovery:	45-170 %

Dilution Factor: 1.5
Data Qualifiers: D1,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 10:00	10/11/2019 10:59	Soil

ANALYTE	mg/kg
MROs	670

Surrogate:	% RC*
Octacosane	88

* Acc Recovery: 45-170 %

Dilution Factor: 1.5
Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/10/2019 10:00	10/11/2019 11:31	Soil

ANALYTE	mg/kg
DROs	360

Surrogate:	% RC*
Octacosane	122

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/10/2019 10:00	10/11/2019 11:31	Soil

ANALYTE	mg/kg
MROs	830

Surrogate:	% RC*
Octacosane	122

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/10/2019 10:00	10/11/2019 1:44	Soil

ANALYTE	mg/kg
DROs	130

Surrogate:	% RC*
Octacosane	116

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/10/2019 10:00	10/11/2019 1:44	Soil

ANALYTE	mg/kg
MROs	300

Surrogate:	% RC*
Octacosane	116

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 10:00	10/11/2019 17:23	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	520	Octacosane	92

Dilution Factor: 1.5
Data Qualifiers: D1,

* Acc Recovery: 45-170 %

DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 10:00	10/11/2019 17:23	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1100	Octacosane	92

Dilution Factor: 1.5
Data Qualifiers: D1,

* Acc Recovery: 45-170 %

DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/10/2019 10:00	10/11/2019 16:50	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	590	Octacosane	116

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/10/2019 10:00	10/11/2019 16:50	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1300	Octacosane	116

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 10:00	10/11/2019 3:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	790	Octacosane	131

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 10:00	10/11/2019 3:24	Soil

ANALYTE	mg/kg
MROs	1600

Surrogate:	% RC*
Octacosane	131

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/10/2019 10:00	10/11/2019 3:57	Soil

ANALYTE	mg/kg
DROs	230

Surrogate:	% RC*
Octacosane	113

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/10/2019 10:00	10/11/2019 3:57	Soil

ANALYTE	mg/kg
MROs	490

Surrogate:	% RC*
Octacosane	113

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 10:00	10/10/2019 17:17	Soil

ANALYTE	mg/kg
DROs	47

Surrogate:	% RC*
Octacosane	113

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 10:00	10/10/2019 17:17	Soil

ANALYTE	mg/kg
MROs	140

Surrogate:	% RC*
Octacosane	113

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/10/2019 10:00	10/11/2019 4:31	Soil

ANALYTE	mg/kg
DROs	320

Surrogate:	% RC*
Octacosane	118

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/10/2019 10:00	10/11/2019 4:31	Soil

ANALYTE	mg/kg
MROs	560

Surrogate:	% RC*
Octacosane	118

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/10/2019 10:00	10/11/2019 5:04	Soil

ANALYTE	mg/kg
DROs	250

Surrogate:	% RC*
Octacosane	123

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/10/2019 10:00	10/11/2019 5:04	Soil

ANALYTE	mg/kg
MROs	440

Surrogate:	% RC*
Octacosane	123

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/10/2019 10:00	10/11/2019 5:38	Soil

ANALYTE	mg/kg
DROs	92

Surrogate:	% RC*
Octacosane	113

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/10/2019 10:00	10/11/2019 5:38	Soil

ANALYTE	mg/kg
MROs	190

Surrogate:	% RC*
Octacosane	113

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/10/2019 10:00	10/11/2019 17:58	Soil

ANALYTE	mg/kg
DROs	630

Surrogate:	% RC*
Octacosane	135

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/10/2019 10:00	10/11/2019 17:58	Soil

ANALYTE	mg/kg
MROs	1100

Surrogate:	% RC*
Octacosane	135

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 10:00	10/14/2019 12:46	Soil

ANALYTE	mg/kg
DROs	640

Surrogate:	% RC*
Octacosane	137

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 10:00	10/14/2019 12:46	Soil

ANALYTE	mg/kg
MROs	1200

Surrogate:	% RC*
Octacosane	137

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/10/2019 10:55	10/11/2019 14:17	Soil

ANALYTE	mg/kg
DROs	200

Surrogate:	% RC*
Octacosane	121

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/10/2019 10:55	10/11/2019 14:17	Soil

ANALYTE	mg/kg
MROs	360

Surrogate:	% RC*
Octacosane	121

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/10/2019 10:55	10/11/2019 14:50	Soil

ANALYTE	mg/kg
DROs	170

Surrogate:	% RC*
Octacosane	125

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/10/2019 10:55	10/11/2019 14:50	Soil

ANALYTE	mg/kg
MROs	400

Surrogate:	% RC*
Octacosane	125

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 10:55	10/10/2019 23:30	Soil

ANALYTE	mg/kg
DROs	91

Surrogate:	% RC*
Octacosane	116

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 10:55	10/10/2019 23:30	Soil

ANALYTE	mg/kg
MROs	170

Surrogate:	% RC*
Octacosane	116

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/10/2019 10:55	10/11/2019 18:31	Soil

ANALYTE	mg/kg
DROs	420

Surrogate:	% RC*
Octacosane	126

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/10/2019 10:55	10/11/2019 18:31	Soil

ANALYTE	mg/kg
MROs	710

Surrogate:	% RC*
Octacosane	126

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/10/2019 10:55	10/11/2019 19:05	Soil

ANALYTE	mg/kg
DROs	270

Surrogate:	% RC*
Octacosane	125

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/10/2019 10:55	10/11/2019 19:05	Soil

ANALYTE	mg/kg
MROs	550

Surrogate:	% RC*
Octacosane	125

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/10/2019 10:55	10/11/2019 19:39	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	800	Octacosane	125

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/10/2019 10:55	10/11/2019 19:39	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1300	Octacosane	125

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/10/2019 10:55	10/11/2019 20:12	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	240	Octacosane	124

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/10/2019 10:55	10/11/2019 20:12	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	460	Octacosane	124

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Method Blank	MBTS1010191	10/10/2019 10:00	10/10/2019 14:16	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	94

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1010191			10/10/2019 10:00	10/10/2019 14:16	Soil

ANALYTE	mg/kg
MROs	<50

Surrogate:	% RC*
Octacosane	94

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1010192			10/10/2019 10:55	10/10/2019 21:33	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	110

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1010192			10/10/2019 10:55	10/10/2019 21:33	Soil

ANALYTE	mg/kg
MROs	<50

Surrogate:	% RC*
Octacosane	110

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/2/2019 9:03	10/8/2019 11:34	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.39	α-α-α-Trifluorotoluene	84

Dilution Factor: 1.3
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/2/2019 9:06	10/8/2019 11:52	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.78	α-α-α-Trifluorotoluene	84

Dilution Factor: 2.6
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/2/2019 9:20	10/8/2019 12:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.26	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/2/2019 13:59	10/8/2019 12:28	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.56	α-α-α-Trifluorotoluene	83

Dilution Factor: 2.3
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/2/2019 18:24	10/8/2019 12:46	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.53	α-α-α-Trifluorotoluene	84

Dilution Factor: 1.9
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/2/2019 10:49	10/8/2019 13:04	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.24	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/2/2019 9:21	10/8/2019 13:22	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.7	α-α-α-Trifluorotoluene	85

Dilution Factor: 2.5
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/2/2019 9:54	10/8/2019 13:40	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.29	α-α-α-Trifluorotoluene	74

Dilution Factor: 1.1
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/2/2019 9:07	10/8/2019 13:58	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.39	α-α-α-Trifluorotoluene	85

Dilution Factor: 1.4
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/2/2019 10:48	10/8/2019 14:16	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<2.4	α-α-α-Trifluorotoluene	79

Dilution Factor: 9.1
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/2/2019 13:34	10/8/2019 14:35	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<1.0	α-α-α-Trifluorotoluene	89

Dilution Factor: 3.4
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/2/2019 13:35	10/8/2019 14:53	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<2.7	α-α-α-Trifluorotoluene	78

Dilution Factor: 10
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/2/2019 13:34	10/8/2019 15:11	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<1.5	α-α-α-Trifluorotoluene	84

Dilution Factor: 5
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/2/2019 11:27	10/8/2019 15:29	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.25	α-α-α-Trifluorotoluene	77

Dilution Factor: 2
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/2/2019 15:26	10/9/2019 9:31	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.52	α-α-α-Trifluorotoluene	90

Dilution Factor: 2
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/2/2019 15:36	10/9/2019 9:49	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.28	α-α-α-Trifluorotoluene	83

Dilution Factor: 1.2
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/2/2019 15:46	10/9/2019 10:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.26	α-α-α-Trifluorotoluene	89

Dilution Factor: 1.1
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/2/2019 15:43	10/9/2019 10:25	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.38	α-α-α-Trifluorotoluene	88

Dilution Factor: 1.6
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/2/2019 10:46	10/9/2019 10:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.62	α-α-α-Trifluorotoluene	86

Dilution Factor: 2.3
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/2/2019 9:54	10/9/2019 11:01	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.36	α-α-α-Trifluorotoluene	87

Dilution Factor: 1.3
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/2/2019 11:28	10/9/2019 11:20	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.81	α-α-α-Trifluorotoluene	86

Dilution Factor: 2.8
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/2/2019 14:17	10/9/2019 11:37	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.58	α-α-α-Trifluorotoluene	81

Dilution Factor: 2.4
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/2/2019 15:26	10/9/2019 11:56	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.44	α-α-α-Trifluorotoluene	83

Dilution Factor: 1.7
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/2/2019 9:43	10/9/2019 12:14	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.72	α-α-α-Trifluorotoluene	79

Dilution Factor: 3
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/2/2019 14:01	10/9/2019 12:32	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.84	α-α-α-Trifluorotoluene	81

Dilution Factor: 3.4
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/2/2019 9:55	10/9/2019 12:50	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.68	α-α-α-Trifluorotoluene	88

Dilution Factor: 2.4
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/2/2019 9:03	10/9/2019 13:08	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.48	α-α-α-Trifluorotoluene	79

Dilution Factor: 1.6
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1008191			10/8/2019 9:20	10/8/2019 9:27	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	94

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1009191			10/9/2019 7:35	10/9/2019 7:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	93

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/7/2019 15:30	10/11/2019 11:09	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<3.0
alpha-BHC	319-84-6	<7.4
beta-BHC	319-85-7	<7.4
gamma-BHC (Lindane)	58-89-9	<7.4
delta-BHC	319-86-8	<15
Chlordane	57-74-9	<44
4,4'-DDD	72-54-8	<15
4,4'-DDE	72-55-9	<7.4
4,4'-DDT	50-29-3	<15
Dieldrin	60-57-1	<3.0
Endosulfan I	959-98-8	<15
Endosulfan II	33213-65-9	<7.4
Endosulfan sulfate	1031-07-8	<15
Endrin	72-20-8	<15
Endrin aldehyde	7421-93-4	<15
Endrin ketone	53494-70-5	<7.4
Heptachlor	76-44-8	<3.0
Heptachlor epoxide	1024-57-3	<7.4
Methoxychlor	72-43-5	<15
Toxaphene	8001-35-2	<59

Surrogate:	% RC*
Decachlorobiphenyl	107

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/7/2019 15:30	10/11/2019 10:54	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<3.0
alpha-BHC	319-84-6	<7.5
beta-BHC	319-85-7	<7.5
gamma-BHC (Lindane)	58-89-9	<7.5
delta-BHC	319-86-8	<15
Chlordane	57-74-9	380
4,4'-DDD	72-54-8	<15
4,4'-DDE	72-55-9	<7.5
4,4'-DDT	50-29-3	29
Dieldrin	60-57-1	<3.0
Endosulfan I	959-98-8	<15
Endosulfan II	33213-65-9	14
Endosulfan sulfate	1031-07-8	<15
Endrin	72-20-8	<15
Endrin aldehyde	7421-93-4	<15
Endrin ketone	53494-70-5	<7.5
Heptachlor	76-44-8	<3.0
Heptachlor epoxide	1024-57-3	27
Methoxychlor	72-43-5	<15
Toxaphene	8001-35-2	<60

Surrogate:	% RC*
Decachlorobiphenyl	109

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/7/2019 15:30	10/11/2019 11:24	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.6
alpha-BHC	319-84-6	<6.6
beta-BHC	319-85-7	<6.6
gamma-BHC (Lindane)	58-89-9	<6.6
delta-BHC	319-86-8	<13
Chlordane	57-74-9	260
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.6
4,4'-DDT	50-29-3	37
Dieldrin	60-57-1	<2.6
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	16
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	25
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.6
Heptachlor	76-44-8	<2.6
Heptachlor epoxide	1024-57-3	16
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<52

Surrogate:	% RC*
Decachlorobiphenyl	94

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/7/2019 15:30	10/10/2019 15:39	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.5
alpha-BHC	319-84-6	<6.1
beta-BHC	319-85-7	<6.1
gamma-BHC (Lindane)	58-89-9	<6.1
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<37
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	<6.1
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	8.7
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	<6.1
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	<12
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<6.1
Heptachlor	76-44-8	<2.5
Heptachlor epoxide	1024-57-3	<6.1
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<49

Surrogate:	% RC*
Decachlorobiphenyl	103

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/7/2019 15:30	10/11/2019 11:38	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.8
alpha-BHC	319-84-6	<6.9
beta-BHC	319-85-7	<6.9
gamma-BHC (Lindane)	58-89-9	<6.9
delta-BHC	319-86-8	<14
Chlordane	57-74-9	<42
4,4'-DDD	72-54-8	<14
4,4'-DDE	72-55-9	<6.9
4,4'-DDT	50-29-3	<14
Dieldrin	60-57-1	<2.8
Endosulfan I	959-98-8	<14
Endosulfan II	33213-65-9	<6.9
Endosulfan sulfate	1031-07-8	<14
Endrin	72-20-8	<14
Endrin aldehyde	7421-93-4	<14
Endrin ketone	53494-70-5	<6.9
Heptachlor	76-44-8	<2.8
Heptachlor epoxide	1024-57-3	<6.9
Methoxychlor	72-43-5	<14
Toxaphene	8001-35-2	<55

Surrogate:	% RC*
Decachlorobiphenyl	83

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/7/2019 15:30	10/11/2019 11:53	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	4.5
alpha-BHC	319-84-6	<6.1
beta-BHC	319-85-7	<6.1
gamma-BHC (Lindane)	58-89-9	<6.1
delta-BHC	319-86-8	<12
Chlordane	57-74-9	150
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	18
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	<2.4
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	21
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	22
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<6.1
Heptachlor	76-44-8	<2.4
Heptachlor epoxide	1024-57-3	<6.1
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<48

Surrogate:	% RC*
Decachlorobiphenyl	76

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/7/2019 15:30	10/11/2019 12:08	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	68
alpha-BHC	319-84-6	<7.0
beta-BHC	319-85-7	<7.0
gamma-BHC (Lindane)	58-89-9	<7.0
delta-BHC	319-86-8	<14
Chlordane	57-74-9	<42
4,4'-DDD	72-54-8	<14
4,4'-DDE	72-55-9	<7.0
4,4'-DDT	50-29-3	24
Dieldrin	60-57-1	<2.8
Endosulfan I	959-98-8	<14
Endosulfan II	33213-65-9	32
Endosulfan sulfate	1031-07-8	<14
Endrin	72-20-8	<14
Endrin aldehyde	7421-93-4	<14
Endrin ketone	53494-70-5	<7.0
Heptachlor	76-44-8	<2.8
Heptachlor epoxide	1024-57-3	52
Methoxychlor	72-43-5	<14
Toxaphene	8001-35-2	<56

Surrogate:	% RC*
Decachlorobiphenyl	100

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/7/2019 15:30	10/11/2019 12:23	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	52
alpha-BHC	319-84-6	<6.5
beta-BHC	319-85-7	<6.5
gamma-BHC (Lindane)	58-89-9	<6.5
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<39
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	68
4,4'-DDT	50-29-3	180
Dieldrin	60-57-1	<2.6
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	120
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	120
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.5
Heptachlor	76-44-8	<2.6
Heptachlor epoxide	1024-57-3	110
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<52

Surrogate:	% RC*
Decachlorobiphenyl	100

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Rick Mehl
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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/7/2019 15:30	10/11/2019 12:37	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	45
alpha-BHC	319-84-6	<6.9
beta-BHC	319-85-7	<6.9
gamma-BHC (Lindane)	58-89-9	<6.9
delta-BHC	319-86-8	<14
Chlordane	57-74-9	<41
4,4'-DDD	72-54-8	<14
4,4'-DDE	72-55-9	52
4,4'-DDT	50-29-3	110
Dieldrin	60-57-1	<2.8
Endosulfan I	959-98-8	<14
Endosulfan II	33213-65-9	57
Endosulfan sulfate	1031-07-8	<14
Endrin	72-20-8	76
Endrin aldehyde	7421-93-4	<14
Endrin ketone	53494-70-5	<6.9
Heptachlor	76-44-8	<2.8
Heptachlor epoxide	1024-57-3	120
Methoxychlor	72-43-5	39
Toxaphene	8001-35-2	<55

Surrogate:	% RC*
Decachlorobiphenyl	Matrix

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: S10,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/7/2019 15:30	10/11/2019 12:52	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	9.3
alpha-BHC	319-84-6	<6.7
beta-BHC	319-85-7	<6.7
gamma-BHC (Lindane)	58-89-9	<6.7
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<40
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.7
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.7
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	34
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	38
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.7
Heptachlor	76-44-8	<2.7
Heptachlor epoxide	1024-57-3	25
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<54

Surrogate:	% RC*
Decachlorobiphenyl	102

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/7/2019 15:30	10/11/2019 13:07	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<3.0
alpha-BHC	319-84-6	<7.4
beta-BHC	319-85-7	<7.4
gamma-BHC (Lindane)	58-89-9	<7.4
delta-BHC	319-86-8	<15
Chlordane	57-74-9	1600
4,4'-DDD	72-54-8	<15
4,4'-DDE	72-55-9	<7.4
4,4'-DDT	50-29-3	<15
Dieldrin	60-57-1	10
Endosulfan I	959-98-8	<15
Endosulfan II	33213-65-9	<7.4
Endosulfan sulfate	1031-07-8	<15
Endrin	72-20-8	<15
Endrin aldehyde	7421-93-4	<15
Endrin ketone	53494-70-5	<7.4
Heptachlor	76-44-8	<3.0
Heptachlor epoxide	1024-57-3	13
Methoxychlor	72-43-5	<15
Toxaphene	8001-35-2	<59

Surrogate:	% RC*
Decachlorobiphenyl	70

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: D2, N1,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/7/2019 15:30	10/11/2019 13:21	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.7
alpha-BHC	319-84-6	<6.7
beta-BHC	319-85-7	<6.7
gamma-BHC (Lindane)	58-89-9	<6.7
delta-BHC	319-86-8	<13
Chlordane	57-74-9	13000
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.7
4,4'-DDT	50-29-3	43
Dieldrin	60-57-1	<2.7
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	<6.7
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	<13
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	60
Heptachlor	76-44-8	96
Heptachlor epoxide	1024-57-3	<6.7
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<53

Surrogate:	% RC*
Decachlorobiphenyl	110

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: D2, N1,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/7/2019 15:30	10/11/2019 13:36	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.9
alpha-BHC	319-84-6	<7.3
beta-BHC	319-85-7	<7.3
gamma-BHC (Lindane)	58-89-9	<7.3
delta-BHC	319-86-8	<15
Chlordane	57-74-9	580
4,4'-DDD	72-54-8	<15
4,4'-DDE	72-55-9	<7.3
4,4'-DDT	50-29-3	<15
Dieldrin	60-57-1	<2.9
Endosulfan I	959-98-8	<15
Endosulfan II	33213-65-9	<7.3
Endosulfan sulfate	1031-07-8	<15
Endrin	72-20-8	<15
Endrin aldehyde	7421-93-4	<15
Endrin ketone	53494-70-5	<7.3
Heptachlor	76-44-8	4.4
Heptachlor epoxide	1024-57-3	<7.3
Methoxychlor	72-43-5	<15
Toxaphene	8001-35-2	<58

Surrogate:	% RC*
Decachlorobiphenyl	43

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: S5,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/7/2019 15:30	10/11/2019 13:51	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.5
alpha-BHC	319-84-6	<6.3
beta-BHC	319-85-7	<6.3
gamma-BHC (Lindane)	58-89-9	<6.3
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<38
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.3
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.5
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	15
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	25
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.3
Heptachlor	76-44-8	<2.5
Heptachlor epoxide	1024-57-3	<6.3
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<50

Surrogate:	% RC*
Decachlorobiphenyl	75

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/7/2019 15:30	10/11/2019 14:06	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.6
alpha-BHC	319-84-6	<6.5
beta-BHC	319-85-7	<6.5
gamma-BHC (Lindane)	58-89-9	<6.5
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<39
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.5
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.6
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	<6.5
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	<13
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.5
Heptachlor	76-44-8	<2.6
Heptachlor epoxide	1024-57-3	<6.5
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<52

Surrogate:	% RC*
Decachlorobiphenyl	73

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/7/2019 15:30	10/11/2019 14:20	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.4
alpha-BHC	319-84-6	<5.9
beta-BHC	319-85-7	<5.9
gamma-BHC (Lindane)	58-89-9	<5.9
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<36
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	<5.9
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	<2.4
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	<5.9
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	<12
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<5.9
Heptachlor	76-44-8	<2.4
Heptachlor epoxide	1024-57-3	<5.9
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	94

Surrogate:	% RC*
Decachlorobiphenyl	71

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/7/2019 15:30	10/11/2019 14:35	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.4
alpha-BHC	319-84-6	<5.9
beta-BHC	319-85-7	<5.9
gamma-BHC (Lindane)	58-89-9	<5.9
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<36
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	<5.9
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	<2.4
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	<5.9
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	<12
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<5.9
Heptachlor	76-44-8	<2.4
Heptachlor epoxide	1024-57-3	<5.9
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<47

Surrogate:	% RC*
Decachlorobiphenyl	62

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/7/2019 15:30	10/14/2019 13:23	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.4
alpha-BHC	319-84-6	<6.0
beta-BHC	319-85-7	<6.0
gamma-BHC (Lindane)	58-89-9	<6.0
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<36
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	<6.0
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	<2.4
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	<6.0
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	<12
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<6.0
Heptachlor	76-44-8	<2.4
Heptachlor epoxide	1024-57-3	<6.0
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<48

Surrogate:	% RC*
Decachlorobiphenyl	71

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/10/2019 16:20	10/23/2019 10:41	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	45
alpha-BHC	319-84-6	<6.7
beta-BHC	319-85-7	<6.7
gamma-BHC (Lindane)	58-89-9	<6.7
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<40
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	130
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.7
Endosulfan I	959-98-8	100
Endosulfan II	33213-65-9	<6.7
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	280
Endrin aldehyde	7421-93-4	130
Endrin ketone	53494-70-5	<6.7
Heptachlor	76-44-8	<2.7
Heptachlor epoxide	1024-57-3	<6.7
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<54

Surrogate:	% RC*
Decachlorobiphenyl	109

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/7/2019 15:30	10/14/2019 13:52	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.8
alpha-BHC	319-84-6	<7.0
beta-BHC	319-85-7	<7.0
gamma-BHC (Lindane)	58-89-9	<7.0
delta-BHC	319-86-8	<14
Chlordane	57-74-9	<42
4,4'-DDD	72-54-8	<14
4,4'-DDE	72-55-9	<7.0
4,4'-DDT	50-29-3	69
Dieldrin	60-57-1	<2.8
Endosulfan I	959-98-8	<14
Endosulfan II	33213-65-9	39
Endosulfan sulfate	1031-07-8	<14
Endrin	72-20-8	62
Endrin aldehyde	7421-93-4	<14
Endrin ketone	53494-70-5	<7.0
Heptachlor	76-44-8	<2.8
Heptachlor epoxide	1024-57-3	100
Methoxychlor	72-43-5	<14
Toxaphene	8001-35-2	<56

Surrogate:	% RC*
Decachlorobiphenyl	96

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/10/2019 16:20	10/15/2019 11:15	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	3.0
alpha-BHC	319-84-6	<7.2
beta-BHC	319-85-7	<7.2
gamma-BHC (Lindane)	58-89-9	<7.2
delta-BHC	319-86-8	<14
Chlordane	57-74-9	450
4,4'-DDD	72-54-8	<14
4,4'-DDE	72-55-9	<7.2
4,4'-DDT	50-29-3	<14
Dieldrin	60-57-1	<2.9
Endosulfan I	959-98-8	<14
Endosulfan II	33213-65-9	14
Endosulfan sulfate	1031-07-8	<14
Endrin	72-20-8	14
Endrin aldehyde	7421-93-4	<14
Endrin ketone	53494-70-5	<7.2
Heptachlor	76-44-8	<2.9
Heptachlor epoxide	1024-57-3	<7.2
Methoxychlor	72-43-5	<14
Toxaphene	8001-35-2	<58

Surrogate:	% RC*
Decachlorobiphenyl	50

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/10/2019 16:20	10/15/2019 11:30	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.4
alpha-BHC	319-84-6	<6.0
beta-BHC	319-85-7	<6.0
gamma-BHC (Lindane)	58-89-9	<6.0
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<36
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	<6.0
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	<2.4
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	<6.0
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	<12
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<6.0
Heptachlor	76-44-8	<2.4
Heptachlor epoxide	1024-57-3	<6.0
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<48

Surrogate:	% RC*
Decachlorobiphenyl	55

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 16:20	10/15/2019 11:44	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.6
alpha-BHC	319-84-6	<6.5
beta-BHC	319-85-7	<6.5
gamma-BHC (Lindane)	58-89-9	<6.5
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<39
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.5
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.6
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	<6.5
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	<13
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.5
Heptachlor	76-44-8	<2.6
Heptachlor epoxide	1024-57-3	<6.5
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<52

Surrogate:	% RC*
Decachlorobiphenyl	70

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/10/2019 16:20	10/15/2019 11:59	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.4
alpha-BHC	319-84-6	<6.0
beta-BHC	319-85-7	<6.0
gamma-BHC (Lindane)	58-89-9	<6.0
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<36
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	26
4,4'-DDT	50-29-3	60
Dieldrin	60-57-1	<2.4
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	36
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	<12
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<6.0
Heptachlor	76-44-8	<2.4
Heptachlor epoxide	1024-57-3	42
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<48

Surrogate:	% RC*
Decachlorobiphenyl	93

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/10/2019 16:20	10/15/2019 12:14	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.5
alpha-BHC	319-84-6	<6.2
beta-BHC	319-85-7	<6.2
gamma-BHC (Lindane)	58-89-9	<6.2
delta-BHC	319-86-8	<12
Chlordane	57-74-9	<37
4,4'-DDD	72-54-8	<12
4,4'-DDE	72-55-9	73
4,4'-DDT	50-29-3	<12
Dieldrin	60-57-1	<2.5
Endosulfan I	959-98-8	<12
Endosulfan II	33213-65-9	71
Endosulfan sulfate	1031-07-8	<12
Endrin	72-20-8	110
Endrin aldehyde	7421-93-4	<12
Endrin ketone	53494-70-5	<6.2
Heptachlor	76-44-8	<2.5
Heptachlor epoxide	1024-57-3	<6.2
Methoxychlor	72-43-5	<12
Toxaphene	8001-35-2	<50

Surrogate:	% RC*
Decachlorobiphenyl	118

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/10/2019 16:20	10/21/2019 10:31	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	93
alpha-BHC	319-84-6	<28
beta-BHC	319-85-7	<28
gamma-BHC (Lindane)	58-89-9	<28
delta-BHC	319-86-8	<56
Chlordane	57-74-9	<170
4,4'-DDD	72-54-8	<56
4,4'-DDE	72-55-9	320
4,4'-DDT	50-29-3	<56
Dieldrin	60-57-1	<11
Endosulfan I	959-98-8	<56
Endosulfan II	33213-65-9	210
Endosulfan sulfate	1031-07-8	<56
Endrin	72-20-8	<56
Endrin aldehyde	7421-93-4	83
Endrin ketone	53494-70-5	<28
Heptachlor	76-44-8	<11
Heptachlor epoxide	1024-57-3	250
Methoxychlor	72-43-5	<56
Toxaphene	8001-35-2	<230

Surrogate:	% RC*
Decachlorobiphenyl	Matrix

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D2, S10,

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/10/2019 16:20	10/21/2019 9:51	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<3.0
alpha-BHC	319-84-6	<7.4
beta-BHC	319-85-7	<7.4
gamma-BHC (Lindane)	58-89-9	<7.4
delta-BHC	319-86-8	<15
Chlordane	57-74-9	120
4,4'-DDD	72-54-8	<15
4,4'-DDE	72-55-9	<7.4
4,4'-DDT	50-29-3	<15
Dieldrin	60-57-1	<3.0
Endosulfan I	959-98-8	<15
Endosulfan II	33213-65-9	<7.4
Endosulfan sulfate	1031-07-8	<15
Endrin	72-20-8	<15
Endrin aldehyde	7421-93-4	<15
Endrin ketone	53494-70-5	<7.4
Heptachlor	76-44-8	<3.0
Heptachlor epoxide	1024-57-3	<7.4
Methoxychlor	72-43-5	<15
Toxaphene	8001-35-2	<59

Surrogate:	% RC*
Decachlorobiphenyl	103

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1007192			10/7/2019 15:30	10/10/2019 13:03	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	86

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1010191			10/10/2019 16:20	10/14/2019 10:25	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/7/2019 15:30	10/11/2019 11:09	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<37
PCB-1221	11104-28-2	<37
PCB-1232	11141-16-5	<37
PCB-1242	53469-21-9	<37
PCB-1248	12672-29-6	<37
PCB-1254	11097-69-1	<37
PCB-1260	11096-82-5	<37

Surrogate:	% RC*
Decachlorobiphenyl	107

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/10/2019 16:20	10/15/2019 15:21	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<150
PCB-1221	11104-28-2	<150
PCB-1232	11141-16-5	<150
PCB-1242	53469-21-9	<150
PCB-1248	12672-29-6	1400
PCB-1254	11097-69-1	1000
PCB-1260	11096-82-5	<150

Surrogate:	% RC*
Decachlorobiphenyl	107

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D2,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/10/2019 16:20	10/15/2019 15:36	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<130
PCB-1221	11104-28-2	<130
PCB-1232	11141-16-5	<130
PCB-1242	53469-21-9	<130
PCB-1248	12672-29-6	960
PCB-1254	11097-69-1	850
PCB-1260	11096-82-5	<130

Surrogate:	% RC*
Decachlorobiphenyl	91

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D2,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/7/2019 15:30	10/10/2019 15:39	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<31
PCB-1221	11104-28-2	<31
PCB-1232	11141-16-5	<31
PCB-1242	53469-21-9	<31
PCB-1248	12672-29-6	<31
PCB-1254	11097-69-1	99
PCB-1260	11096-82-5	<31

Surrogate:	% RC*
Decachlorobiphenyl	103

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/7/2019 15:30	10/11/2019 11:38	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<35
PCB-1221	11104-28-2	<35
PCB-1232	11141-16-5	<35
PCB-1242	53469-21-9	<35
PCB-1248	12672-29-6	<35
PCB-1254	11097-69-1	260
PCB-1260	11096-82-5	<35

Surrogate:	% RC*
Decachlorobiphenyl	83

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/10/2019 16:20	10/21/2019 13:27	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<120
PCB-1221	11104-28-2	<120
PCB-1232	11141-16-5	<120
PCB-1242	53469-21-9	<120
PCB-1248	12672-29-6	<120
PCB-1254	11097-69-1	780
PCB-1260	11096-82-5	<120

Surrogate:	% RC*
Decachlorobiphenyl	91

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D2,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/10/2019 16:20	10/15/2019 13:42	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<350
PCB-1221	11104-28-2	<350
PCB-1232	11141-16-5	<350
PCB-1242	53469-21-9	<350
PCB-1248	12672-29-6	5900
PCB-1254	11097-69-1	2100
PCB-1260	11096-82-5	<350

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D2, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 16:20	10/15/2019 14:17	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<460
PCB-1221	11104-28-2	<460
PCB-1232	11141-16-5	<460
PCB-1242	53469-21-9	<460
PCB-1248	12672-29-6	4400
PCB-1254	11097-69-1	3400
PCB-1260	11096-82-5	<460

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 14

Data Qualifiers: D2, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/10/2019 16:20	10/15/2019 14:32	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<480
PCB-1221	11104-28-2	<480
PCB-1232	11141-16-5	<480
PCB-1242	53469-21-9	<480
PCB-1248	12672-29-6	5800
PCB-1254	11097-69-1	4300
PCB-1260	11096-82-5	<480

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 14

Data Qualifiers: D2, S8,

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/10/2019 16:20	10/15/2019 14:51	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<130
PCB-1221	11104-28-2	<130
PCB-1232	11141-16-5	<130
PCB-1242	53469-21-9	<130
PCB-1248	12672-29-6	820
PCB-1254	11097-69-1	1300
PCB-1260	11096-82-5	<130

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D2, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 16:20	10/11/2019 13:07	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<37
PCB-1221	11104-28-2	<37
PCB-1232	11141-16-5	<37
PCB-1242	53469-21-9	<37
PCB-1248	12672-29-6	<37
PCB-1254	11097-69-1	<37
PCB-1260	11096-82-5	<37

Surrogate:	% RC*
Decachlorobiphenyl	70

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/7/2019 15:30	10/11/2019 13:21	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<33
PCB-1221	11104-28-2	<33
PCB-1232	11141-16-5	<33
PCB-1242	53469-21-9	<33
PCB-1248	12672-29-6	<33
PCB-1254	11097-69-1	<33
PCB-1260	11096-82-5	<33

Surrogate:	% RC*
Decachlorobiphenyl	110

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/7/2019 15:30	10/11/2019 13:36	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<36
PCB-1221	11104-28-2	<36
PCB-1232	11141-16-5	<36
PCB-1242	53469-21-9	<36
PCB-1248	12672-29-6	<36
PCB-1254	11097-69-1	<36
PCB-1260	11096-82-5	<36

Surrogate:	% RC*
Decachlorobiphenyl	43

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: S5,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/7/2019 15:30	10/11/2019 13:51	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<31
PCB-1221	11104-28-2	<31
PCB-1232	11141-16-5	<31
PCB-1242	53469-21-9	<31
PCB-1248	12672-29-6	<31
PCB-1254	11097-69-1	600
PCB-1260	11096-82-5	<31

Surrogate:	% RC*
Decachlorobiphenyl	75

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/7/2019 15:30	10/11/2019 14:06	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<32
PCB-1221	11104-28-2	<32
PCB-1232	11141-16-5	<32
PCB-1242	53469-21-9	<32
PCB-1248	12672-29-6	<32
PCB-1254	11097-69-1	<32
PCB-1260	11096-82-5	<32

Surrogate:	% RC*
Decachlorobiphenyl	73

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/7/2019 15:30	10/11/2019 14:20	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<30
PCB-1221	11104-28-2	<30
PCB-1232	11141-16-5	<30
PCB-1242	53469-21-9	<30
PCB-1248	12672-29-6	<30
PCB-1254	11097-69-1	<30
PCB-1260	11096-82-5	<30

Surrogate:	% RC*
Decachlorobiphenyl	71

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/7/2019 15:30	10/11/2019 14:35	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<30
PCB-1221	11104-28-2	<30
PCB-1232	11141-16-5	<30
PCB-1242	53469-21-9	<30
PCB-1248	12672-29-6	<30
PCB-1254	11097-69-1	<30
PCB-1260	11096-82-5	<30

Surrogate:	% RC*
Decachlorobiphenyl	62

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/7/2019 15:30	10/14/2019 13:23	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<30
PCB-1221	11104-28-2	<30
PCB-1232	11141-16-5	<30
PCB-1242	53469-21-9	<30
PCB-1248	12672-29-6	<30
PCB-1254	11097-69-1	<30
PCB-1260	11096-82-5	<30

Surrogate:	% RC*
Decachlorobiphenyl	71

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/10/2019 16:20	10/23/2019 10:41	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<870
PCB-1221	11104-28-2	<870
PCB-1232	11141-16-5	<870
PCB-1242	53469-21-9	<870
PCB-1248	12672-29-6	3600
PCB-1254	11097-69-1	9100
PCB-1260	11096-82-5	<870

Surrogate:	% RC*
Decachlorobiphenyl	109

* Acceptable Recovery: 49-131 %

Dilution Factor: 26

Data Qualifiers: D2,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 16:20	10/23/2019 10:56	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<700
PCB-1221	11104-28-2	<700
PCB-1232	11141-16-5	<700
PCB-1242	53469-21-9	<700
PCB-1248	12672-29-6	6300
PCB-1254	11097-69-1	<700
PCB-1260	11096-82-5	<700

Surrogate:	% RC*
Decachlorobiphenyl	101

* Acceptable Recovery: 49-131 %

Dilution Factor: 20

Data Qualifiers: D2,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/7/2019 15:30	10/15/2019 11:15	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<36
PCB-1221	11104-28-2	<36
PCB-1232	11141-16-5	<36
PCB-1242	53469-21-9	<36
PCB-1248	12672-29-6	<36
PCB-1254	11097-69-1	<36
PCB-1260	11096-82-5	<36

Surrogate:	% RC*
Decachlorobiphenyl	50

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/10/2019 16:20	10/15/2019 11:30	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<30
PCB-1221	11104-28-2	<30
PCB-1232	11141-16-5	<30
PCB-1242	53469-21-9	<30
PCB-1248	12672-29-6	<30
PCB-1254	11097-69-1	140
PCB-1260	11096-82-5	<30

Surrogate:	% RC*
Decachlorobiphenyl	55

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 16:20	10/15/2019 11:44	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<33
PCB-1221	11104-28-2	<33
PCB-1232	11141-16-5	<33
PCB-1242	53469-21-9	<33
PCB-1248	12672-29-6	<33
PCB-1254	11097-69-1	<33
PCB-1260	11096-82-5	<33

Surrogate:	% RC*
Decachlorobiphenyl	70

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/10/2019 16:20	10/21/2019 11:15	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<180
PCB-1221	11104-28-2	<180
PCB-1232	11141-16-5	<180
PCB-1242	53469-21-9	<180
PCB-1248	12672-29-6	<180
PCB-1254	11097-69-1	1800
PCB-1260	11096-82-5	<180

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 6

Data Qualifiers: D2, S8,

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Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/10/2019 16:20	10/21/2019 11:30	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<310
PCB-1221	11104-28-2	<310
PCB-1232	11141-16-5	<310
PCB-1242	53469-21-9	<310
PCB-1248	12672-29-6	690
PCB-1254	11097-69-1	2600
PCB-1260	11096-82-5	<310

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D2, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/10/2019 16:20	10/21/2019 13:18	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<850
PCB-1221	11104-28-2	<850
PCB-1232	11141-16-5	<850
PCB-1242	53469-21-9	<850
PCB-1248	12672-29-6	8600
PCB-1254	11097-69-1	7600
PCB-1260	11096-82-5	<850

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 24

Data Qualifiers: D2, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/10/2019 16:20	10/21/2019 9:51	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<37
PCB-1221	11104-28-2	<37
PCB-1232	11141-16-5	<37
PCB-1242	53469-21-9	<37
PCB-1248	12672-29-6	210
PCB-1254	11097-69-1	<37
PCB-1260	11096-82-5	<37

Surrogate:	% RC*
Decachlorobiphenyl	103

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1007192			10/7/2019 15:30	10/10/2019 13:03	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	86

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1010191			10/10/2019 16:20	10/14/2019 10:25	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/7/2019 15:30	10/8/2019 15:28	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	93	55-139 %
Toluene-d8:	76	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/8/2019 5:46	10/8/2019 13:05	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/8/2019 5:46	10/8/2019 13:25	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	55-139 %
Toluene-d8:	75	60-130 %
4-Bromofluorobenzene:	71	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/8/2019 5:46	10/8/2019 13:46	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/8/2019 5:46	10/8/2019 14:06	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	101	55-139 %
Toluene-d8:	73	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/10/2019 5:59	10/10/2019 8:45	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/10/2019 5:59	10/10/2019 9:05	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	55-139 %
Toluene-d8:	75	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 5:59	10/10/2019 9:27	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	101	55-139 %
Toluene-d8:	75	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/10/2019 5:59	10/10/2019 9:48	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	55-139 %
Toluene-d8:	75	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/10/2019 5:59	10/10/2019 10:08	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	55-139 %
Toluene-d8:	76	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 5:59	10/10/2019 13:57	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	76	46-130 %

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Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/10/2019 5:59	10/10/2019 14:18	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 5:59	10/10/2019 14:58	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	55-139 %
Toluene-d8:	76	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/10/2019 5:59	10/10/2019 15:19	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	55-139 %
Toluene-d8:	78	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/10/2019 5:59	10/10/2019 15:40	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	106	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/10/2019 5:59	10/10/2019 16:01	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	55-139 %
Toluene-d8:	75	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/10/2019 5:59	10/10/2019 16:22	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	109	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/10/2019 5:59	10/10/2019 16:44	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	55-139 %
Toluene-d8:	76	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/10/2019 5:59	10/10/2019 17:04	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	107	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 5:59	10/10/2019 17:45	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	55-139 %
Toluene-d8:	76	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/12/2019 4:45	10/12/2019 10:05	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	115	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/12/2019 4:45	10/12/2019 10:27	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	114	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/12/2019 4:45	10/12/2019 10:47	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	119	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/12/2019 4:45	10/12/2019 11:08	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	113	55-139 %
Toluene-d8:	81	60-130 %
4-Bromofluorobenzene:	75	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/12/2019 4:45	10/12/2019 11:29	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	118	55-139 %
Toluene-d8:	81	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/12/2019 4:45	10/12/2019 11:49	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	112	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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Project Name: Dededo Transfer Station, Guam
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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/12/2019 4:45	10/12/2019 12:11	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	114	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1007193			10/8/2019 5:46	10/8/2019 11:40	Water

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	92	55-139 %
Toluene-d8:	78	60-130 %
4-Bromofluorobenzene:	75	46-130 %

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1008192			10/10/2019 5:59	10/10/2019 7:02	Water

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	55-139 %
Toluene-d8:	75	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1009191			10/10/2019 5:59	10/10/2019 13:37	Water

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	102	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1010193			10/12/2019 4:45	10/12/2019 6:29	Water

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	55-139 %
Toluene-d8:	71	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	10/16/2019 12:00	10/17/2019 17:25	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.6	D-36 %
Nitrobenzene-d5:	35	22-97 %
2-Fluorobiphenyl:	41	22-98 %
2,4,6-Tribromophenol:	32	9-113 %
Terphenyl-d14:	47	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	10/10/2019 11:00	10/14/2019 19:36	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	7.2	D-36 %
Nitrobenzene-d5:	32	22-97 %
2-Fluorobiphenyl:	36	22-98 %
2,4,6-Tribromophenol:	37	9-113 %
Terphenyl-d14:	45	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	10/10/2019 11:00	10/14/2019 20:09	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	8.9	D-58 %
Phenol-d6:	5.3	D-36 %
Nitrobenzene-d5:	29	22-97 %
2-Fluorobiphenyl:	28	22-98 %
2,4,6-Tribromophenol:	25	9-113 %
Terphenyl-d14:	41	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	10/10/2019 11:00	10/14/2019 20:41	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.8	D-36 %
Nitrobenzene-d5:	29	22-97 %
2-Fluorobiphenyl:	30	22-98 %
2,4,6-Tribromophenol:	34	9-113 %
Terphenyl-d14:	42	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	10/10/2019 11:00	10/14/2019 21:13	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	9.7	D-58 %
Phenol-d6:	6	D-36 %
Nitrobenzene-d5:	27	22-97 %
2-Fluorobiphenyl:	27	22-98 %
2,4,6-Tribromophenol:	29	9-113 %
Terphenyl-d14:	43	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	10/10/2019 11:00	10/14/2019 21:45	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	7.2	D-36 %
Nitrobenzene-d5:	29	22-97 %
2-Fluorobiphenyl:	34	22-98 %
2,4,6-Tribromophenol:	35	9-113 %
Terphenyl-d14:	43	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	10/10/2019 11:00	10/14/2019 22:18	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	7.0	D-36 %
Nitrobenzene-d5:	31	22-97 %
2-Fluorobiphenyl:	36	22-98 %
2,4,6-Tribromophenol:	35	9-113 %
Terphenyl-d14:	43	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	10/10/2019 11:00	10/14/2019 22:50	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	14	D-58 %
Phenol-d6:	8.3	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	38	22-98 %
2,4,6-Tribromophenol:	37	9-113 %
Terphenyl-d14:	45	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	10/10/2019 11:00	10/14/2019 23:22	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.8	D-36 %
Nitrobenzene-d5:	27	22-97 %
2-Fluorobiphenyl:	32	22-98 %
2,4,6-Tribromophenol:	36	9-113 %
Terphenyl-d14:	44	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	10/10/2019 11:00	10/14/2019 23:54	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	4.0	D-58 %
Phenol-d6:	2.7	D-36 %
Nitrobenzene-d5:	15	22-97 %
2-Fluorobiphenyl:	17	22-98 %
2,4,6-Tribromophenol:	21	9-113 %
Terphenyl-d14:	35	8-139 %

Dilution Factor: 1

Data Qualifiers: S5,

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TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 11:00	10/15/2019 0:26	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	7.2	D-36 %
Nitrobenzene-d5:	29	22-97 %
2-Fluorobiphenyl:	33	22-98 %
2,4,6-Tribromophenol:	36	9-113 %
Terphenyl-d14:	43	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	10/10/2019 11:00	10/16/2019 9:48	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	7.8	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	38	22-98 %
2,4,6-Tribromophenol:	37	9-113 %
Terphenyl-d14:	44	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	10/10/2019 11:00	10/16/2019 10:19	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	7.1	D-36 %
Nitrobenzene-d5:	31	22-97 %
2-Fluorobiphenyl:	34	22-98 %
2,4,6-Tribromophenol:	36	9-113 %
Terphenyl-d14:	42	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	10/10/2019 11:00	10/16/2019 10:51	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.8	D-36 %
Nitrobenzene-d5:	29	22-97 %
2-Fluorobiphenyl:	32	22-98 %
2,4,6-Tribromophenol:	35	9-113 %
Terphenyl-d14:	43	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	10/16/2019 7:30	10/16/2019 15:37	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.5	D-36 %
Nitrobenzene-d5:	25	22-97 %
2-Fluorobiphenyl:	29	22-98 %
2,4,6-Tribromophenol:	33	9-113 %
Terphenyl-d14:	48	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	10/16/2019 7:30	10/16/2019 16:09	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	15	D-58 %
Phenol-d6:	8.4	D-36 %
Nitrobenzene-d5:	32	22-97 %
2-Fluorobiphenyl:	37	22-98 %
2,4,6-Tribromophenol:	41	9-113 %
Terphenyl-d14:	52	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	10/16/2019 7:30	10/16/2019 16:40	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	14	D-58 %
Phenol-d6:	7.6	D-36 %
Nitrobenzene-d5:	36	22-97 %
2-Fluorobiphenyl:	44	22-98 %
2,4,6-Tribromophenol:	36	9-113 %
Terphenyl-d14:	49	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	10/16/2019 7:30	10/16/2019 17:12	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	8.8	D-58 %
Phenol-d6:	5.0	D-36 %
Nitrobenzene-d5:	22	22-97 %
2-Fluorobiphenyl:	22	22-98 %
2,4,6-Tribromophenol:	25	9-113 %
Terphenyl-d14:	40	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	10/16/2019 7:30	10/16/2019 17:44	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.2	D-36 %
Nitrobenzene-d5:	27	22-97 %
2-Fluorobiphenyl:	33	22-98 %
2,4,6-Tribromophenol:	28	9-113 %
Terphenyl-d14:	42	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	10/16/2019 7:30	10/16/2019 18:16	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	8.8	D-58 %
Phenol-d6:	5.5	D-36 %
Nitrobenzene-d5:	26	22-97 %
2-Fluorobiphenyl:	32	22-98 %
2,4,6-Tribromophenol:	27	9-113 %
Terphenyl-d14:	44	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	10/16/2019 7:30	10/16/2019 18:47	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.2	D-36 %
Nitrobenzene-d5:	32	22-97 %
2-Fluorobiphenyl:	37	22-98 %
2,4,6-Tribromophenol:	30	9-113 %
Terphenyl-d14:	47	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	10/16/2019 7:30	10/17/2019 18:29	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.6	D-36 %
Nitrobenzene-d5:	36	22-97 %
2-Fluorobiphenyl:	42	22-98 %
2,4,6-Tribromophenol:	34	9-113 %
Terphenyl-d14:	52	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	10/16/2019 7:30	10/17/2019 19:01	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.3	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	41	22-98 %
2,4,6-Tribromophenol:	34	9-113 %
Terphenyl-d14:	51	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	10/16/2019 7:30	10/17/2019 19:32	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.3	D-36 %
Nitrobenzene-d5:	32	22-97 %
2-Fluorobiphenyl:	40	22-98 %
2,4,6-Tribromophenol:	32	9-113 %
Terphenyl-d14:	47	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	10/16/2019 7:30	10/17/2019 20:04	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.7	D-36 %
Nitrobenzene-d5:	35	22-97 %
2-Fluorobiphenyl:	39	22-98 %
2,4,6-Tribromophenol:	32	9-113 %
Terphenyl-d14:	47	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	10/16/2019 7:30	10/17/2019 20:35	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.3	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	38	22-98 %
2,4,6-Tribromophenol:	31	9-113 %
Terphenyl-d14:	46	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	10/16/2019 7:30	10/17/2019 21:06	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.5	D-36 %
Nitrobenzene-d5:	33	22-97 %
2-Fluorobiphenyl:	37	22-98 %
2,4,6-Tribromophenol:	30	9-113 %
Terphenyl-d14:	45	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Method Blank	MBAV1010191			10/10/2019 11:00	10/14/2019 13:45	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	7.5	D-36 %
Nitrobenzene-d5:	31	22-97 %
2-Fluorobiphenyl:	35	22-98 %
2,4,6-Tribromophenol:	35	9-113 %
Terphenyl-d14:	48	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1016191			10/16/2019 12:00	10/17/2019 10:01	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	7.2	D-36 %
Nitrobenzene-d5:	37	22-97 %
2-Fluorobiphenyl:	41	22-98 %
2,4,6-Tribromophenol:	33	9-113 %
Terphenyl-d14:	52	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1016193			10/16/2019 7:30	10/16/2019 8:12	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	15	D-58 %
Phenol-d6:	8.7	D-36 %
Nitrobenzene-d5:	43	22-97 %
2-Fluorobiphenyl:	49	22-98 %
2,4,6-Tribromophenol:	42	9-113 %
Terphenyl-d14:	55	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Project #: 20905.016.024.0034

Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-01-15-A	24627-001	10/7/2019	9:39	10/2/2019	9:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	33	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-01-8-A	24627-002	10/7/2019	9:39	10/2/2019	9:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	33	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-02-15-A	24627-003	10/7/2019	9:39	10/2/2019	9:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	24	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-1-04-1-A	24627-004	10/7/2019	9:39	10/2/2019	13:59	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	19	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-1-03-1-A	24627-005	10/7/2019	9:39	10/2/2019	18:24	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	28	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019	9:39	10/2/2019	10:49	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	17	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

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Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-02-8-A	24627-007	10/7/2019	9:39	10/2/2019	9:21	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	28	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-03-3-A	24627-008	10/7/2019	9:39	10/2/2019	9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	23	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-01-3-A	24627-009	10/7/2019	9:39	10/2/2019	9:07	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	27	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-04-3-A	24627-010	10/7/2019	9:39	10/2/2019	10:48	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	25	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-9-01-1-A	24627-011	10/7/2019	9:39	10/2/2019	13:34	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	33	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-1-02-1-A	24627-012	10/7/2019	9:39	10/2/2019	13:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	25	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

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Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-1-01-1-A	24627-013	10/7/2019	9:39	10/2/2019	13:34	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	31	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019	9:39	10/2/2019	11:27	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	20	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-9-03-1-A	24627-015	10/7/2019	9:39	10/2/2019	15:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	23	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-4-02-4-A	24627-016	10/7/2019	9:39	10/2/2019	15:36	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	16	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-4-04-1-A	24627-017	10/7/2019	9:39	10/2/2019	15:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	16	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-4-03-4-A	24627-018	10/7/2019	9:39	10/2/2019	15:43	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	17	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

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Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-04-9-A	24627-019	10/7/2019	9:39	10/2/2019	10:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	25	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-03-6-A	24627-020	10/7/2019	9:39	10/2/2019	9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	29	%(w/w)	10/07/19 15:10	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-05-3-A	24627-021	10/7/2019	9:39	10/2/2019	11:28	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	31	%(w/w)	10/07/19 15:45	10/08/19 09:30	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-1-06-1-A	24627-022	10/7/2019	9:39	10/2/2019	14:17	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	17	%(w/w)	10/07/19 15:45	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-4-01-1-A	24627-023	10/7/2019	9:39	10/2/2019	15:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	23	%(w/w)	10/07/19 15:45	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-02-3-A	24627-024	10/7/2019	9:39	10/2/2019	9:43	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	17	%(w/w)	10/07/19 15:45	10/08/19 09:40	--	1

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Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-1-05-1-A	24627-025	10/7/2019	9:39	10/2/2019	14:01	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	19	%(w/w)	10/07/19 15:45	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-2-03-12-A	24627-026	10/7/2019	9:39	10/2/2019	9:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	29	%(w/w)	10/07/19 15:45	10/08/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-9-01-15-A	24627-027	10/7/2019	9:39	10/2/2019	9:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	33	%(w/w)	10/07/19 15:45	10/08/19 09:40	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	160000	mg/kg	10/08/19 15:30	10/11/19 10:23	D2,	10
Antimony	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Arsenic	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Barium	6010B	790	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Beryllium	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Cadmium	6010B	9.9	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Calcium	6010B	47000	mg/kg	10/08/19 15:30	10/11/19 10:23	D2,	10
Chromium	6010B	160	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Cobalt	6010B	28	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Copper	6010B	21000	mg/kg	10/08/19 15:30	10/11/19 10:23	D2,	10
Iron	6010B	87000	mg/kg	10/08/19 15:30	10/11/19 10:23	D2,	10
Lead	6010B	1600	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Magnesium	6010B	3400	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Manganese	6010B	800	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Mercury	7471A	0.46	mg/kg	10/07/19 15:22	10/11/19 10:51	--	1
Nickel	6010B	300	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Potassium	6010B	<370	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Selenium	6010B	<71	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Silver	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Sodium	6010B	<370	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Thallium	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Vanadium	6010B	21	mg/kg	10/08/19 15:30	10/11/19 10:23	D1,	10
Zinc	6010B	14000	mg/kg	10/08/19 15:30	10/11/19 10:23	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 16:50	--	1
TCLP Barium	6010B	3.4	mg/l	10/15/19 17:00	10/17/19 16:50	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-15-A	24627-001	10/7/2019 9:39	10/2/2019 9:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.034	mg/l	10/15/19 17:00	10/17/19 16:50	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 16:50	--	1
TCLP Lead	6010B	0.78	mg/l	10/15/19 17:00	10/17/19 16:50	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:45	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 16:50	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 16:50	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	80000	mg/kg	10/08/19 15:30	10/11/19 10:47	D2,	10
Antimony	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Arsenic	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Barium	6010B	600	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Beryllium	6010B	<7.5	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Cadmium	6010B	27	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Calcium	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 10:47	D2,	10
Chromium	6010B	200	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Cobalt	6010B	29	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Copper	6010B	180000	mg/kg	10/08/19 15:30	10/11/19 15:18	D2,	100
Iron	6010B	98000	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Lead	6010B	5900	mg/kg	10/08/19 15:30	10/11/19 10:47	D2,	10
Magnesium	6010B	2400	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Manganese	6010B	810	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Mercury	7471A	1.5	mg/kg	10/07/19 15:22	10/11/19 11:00	--	1
Nickel	6010B	180	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Potassium	6010B	<380	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Selenium	6010B	<72	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Silver	6010B	12	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Sodium	6010B	<380	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Thallium	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Vanadium	6010B	23	mg/kg	10/08/19 15:30	10/11/19 10:47	D1,	10
Zinc	6010B	23000	mg/kg	10/08/19 15:30	10/11/19 10:47	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:02	--	1
TCLP Barium	6010B	2.5	mg/l	10/15/19 17:00	10/17/19 17:02	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-8-A	24627-002	10/7/2019 9:39	10/2/2019 9:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.20	mg/l	10/15/19 17:00	10/17/19 17:02	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:02	--	1
TCLP Lead	6010B	13	mg/l	10/15/19 17:00	10/17/19 17:02	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:50	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:02	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:02	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	35000	mg/kg	10/08/19 15:30	10/11/19 10:55	D2,	10
Antimony	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Arsenic	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Barium	6010B	1100	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Beryllium	6010B	<6.6	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Cadmium	6010B	24	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Calcium	6010B	100000	mg/kg	10/08/19 15:30	10/11/19 10:55	D2,	10
Chromium	6010B	290	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Cobalt	6010B	43	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Copper	6010B	3000	mg/kg	10/08/19 15:30	10/11/19 10:55	D2,	10
Iron	6010B	160000	mg/kg	10/08/19 15:30	10/11/19 10:55	D2,	10
Lead	6010B	10000	mg/kg	10/08/19 15:30	10/11/19 10:55	D2,	10
Magnesium	6010B	3500	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Manganese	6010B	1000	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Mercury	7471A	1.6	mg/kg	10/07/19 15:22	10/11/19 11:01	--	1
Nickel	6010B	240	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Potassium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Selenium	6010B	<63	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Silver	6010B	<6.6	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Sodium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Thallium	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Vanadium	6010B	30	mg/kg	10/08/19 15:30	10/11/19 10:55	D1,	10
Zinc	6010B	43000	mg/kg	10/08/19 15:30	10/10/19 15:40	D2,	50
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:09	--	1
TCLP Barium	6010B	2.3	mg/l	10/15/19 17:00	10/17/19 17:09	--	1

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-02-15-A	24627-003	10/7/2019 9:39	10/2/2019 9:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.25	mg/l	10/15/19 17:00	10/17/19 17:09	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:09	--	1
TCLP Lead	6010B	22	mg/l	10/15/19 17:00	10/17/19 17:09	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:51	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:09	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:09	--	1

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	9000	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Antimony	6010B	50	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Arsenic	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Barium	6010B	180	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Beryllium	6010B	<6.1	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Cadmium	6010B	<6.1	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Calcium	6010B	230000	mg/kg	10/08/19 15:30	10/11/19 11:02	D2,	10
Chromium	6010B	110	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Cobalt	6010B	6.9	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Copper	6010B	850	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Iron	6010B	93000	mg/kg	10/08/19 15:30	10/11/19 11:02	D2,	10
Lead	6010B	11000	mg/kg	10/08/19 15:30	10/11/19 11:02	D2,	10
Magnesium	6010B	2300	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Manganese	6010B	560	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Mercury	7471A	0.16	mg/kg	10/07/19 15:22	10/11/19 11:03	--	1
Nickel	6010B	72	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Potassium	6010B	<310	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Selenium	6010B	<59	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Silver	6010B	<6.1	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Sodium	6010B	<310	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Thallium	6010B	26	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Vanadium	6010B	14	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
Zinc	6010B	1700	mg/kg	10/08/19 15:30	10/11/19 11:02	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:39	--	1
TCLP Barium	6010B	0.68	mg/l	10/15/19 17:00	10/17/19 17:39	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-04-1-A	24627-004	10/7/2019 9:39	10/2/2019 13:59	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.031	mg/l	10/15/19 17:00	10/17/19 17:39	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:39	--	1
TCLP Lead	6010B	89	mg/l	10/15/19 17:00	10/17/19 17:39	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:53	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:39	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:39	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	6600	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Antimony	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Arsenic	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Barium	6010B	180	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Beryllium	6010B	<6.9	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Cadmium	6010B	<6.9	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Calcium	6010B	240000	mg/kg	10/08/19 15:30	10/11/19 11:10	D2,	10
Chromium	6010B	100	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Cobalt	6010B	8.0	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Copper	6010B	1000	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Iron	6010B	100000	mg/kg	10/08/19 15:30	10/11/19 11:10	D2,	10
Lead	6010B	4000	mg/kg	10/08/19 15:30	10/11/19 11:10	D2,	10
Magnesium	6010B	2100	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Manganese	6010B	690	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Mercury	7471A	<0.14	mg/kg	10/07/19 15:22	10/11/19 11:05	--	1
Nickel	6010B	68	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Potassium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Selenium	6010B	<66	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Silver	6010B	<6.9	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Sodium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Thallium	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Vanadium	6010B	10	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
Zinc	6010B	2800	mg/kg	10/08/19 15:30	10/11/19 11:10	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:43	--	1
TCLP Barium	6010B	1.2	mg/l	10/15/19 17:00	10/17/19 17:43	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-03-1-A	24627-005	10/7/2019 9:39	10/2/2019 18:24	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:43	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:43	--	1
TCLP Lead	6010B	4.9	mg/l	10/15/19 17:00	10/17/19 17:43	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:54	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:43	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:43	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	5600	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Antimony	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Arsenic	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Barium	6010B	86	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Beryllium	6010B	<6.1	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Cadmium	6010B	<6.1	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Calcium	6010B	29000	mg/kg	10/08/19 15:30	10/11/19 11:18	D2,	10
Chromium	6010B	52	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Cobalt	6010B	7.4	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Copper	6010B	270	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Iron	6010B	96000	mg/kg	10/08/19 15:30	10/11/19 11:18	D2,	10
Lead	6010B	300	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Magnesium	6010B	1900	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Manganese	6010B	450	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Mercury	7471A	<0.12	mg/kg	10/07/19 15:22	10/11/19 11:06	--	1
Nickel	6010B	45	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Potassium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Selenium	6010B	<58	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Silver	6010B	<6.1	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Sodium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Thallium	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Vanadium	6010B	7.5	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
Zinc	6010B	1900	mg/kg	10/08/19 15:30	10/11/19 11:18	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:45	--	1
TCLP Barium	6010B	0.70	mg/l	10/15/19 17:00	10/17/19 17:45	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-04-0.5-A	24627-006	10/7/2019 9:39	10/2/2019 10:49	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.021	mg/l	10/15/19 17:00	10/17/19 17:45	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:45	--	1
TCLP Lead	6010B	0.93	mg/l	10/15/19 17:00	10/17/19 17:45	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:56	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:45	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:45	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	64000	mg/kg	10/08/19 15:30	10/11/19 11:25	D2,	10
Antimony	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Arsenic	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Barium	6010B	820	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Beryllium	6010B	<7.0	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Cadmium	6010B	52	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Calcium	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 11:25	D2,	10
Chromium	6010B	220	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Cobalt	6010B	28	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Copper	6010B	3300	mg/kg	10/08/19 15:30	10/11/19 11:25	D2,	10
Iron	6010B	120000	mg/kg	10/08/19 15:30	10/11/19 11:25	D2,	10
Lead	6010B	8600	mg/kg	10/08/19 15:30	10/11/19 11:25	D2,	10
Magnesium	6010B	2600	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Manganese	6010B	930	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Mercury	7471A	<0.14	mg/kg	10/07/19 15:22	10/11/19 11:08	--	1
Nickel	6010B	280	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Potassium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Selenium	6010B	<67	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Silver	6010B	<7.0	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Sodium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Thallium	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Vanadium	6010B	22	mg/kg	10/08/19 15:30	10/11/19 11:25	D1,	10
Zinc	6010B	35000	mg/kg	10/08/19 15:30	10/10/19 16:14	D2,	50
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:48	--	1
TCLP Barium	6010B	2.6	mg/l	10/15/19 17:00	10/17/19 17:48	--	1

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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-02-8-A	24627-007	10/7/2019 9:39	10/2/2019 9:21	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.28	mg/l	10/15/19 17:00	10/17/19 17:48	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:48	--	1
TCLP Lead	6010B	22	mg/l	10/15/19 17:00	10/17/19 17:48	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:01	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:48	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:48	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	44000	mg/kg	10/08/19 15:30	10/11/19 11:57	D2,	10
Antimony	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Arsenic	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Barium	6010B	560	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Beryllium	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Cadmium	6010B	27	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Calcium	6010B	80000	mg/kg	10/08/19 15:30	10/11/19 11:57	D2,	10
Chromium	6010B	180	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Cobalt	6010B	26	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Copper	6010B	2400	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Iron	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 11:57	D2,	10
Lead	6010B	3300	mg/kg	10/08/19 15:30	10/11/19 11:57	D2,	10
Magnesium	6010B	3700	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Manganese	6010B	850	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Mercury	7471A	<0.13	mg/kg	10/07/19 15:22	10/11/19 11:10	--	1
Nickel	6010B	210	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Potassium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Selenium	6010B	<63	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Silver	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Sodium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Thallium	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Vanadium	6010B	21	mg/kg	10/08/19 15:30	10/11/19 11:57	D1,	10
Zinc	6010B	20000	mg/kg	10/08/19 15:30	10/11/19 11:57	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:50	--	1
TCLP Barium	6010B	3.3	mg/l	10/15/19 17:00	10/17/19 17:50	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-03-3-A	24627-008	10/7/2019 9:39	10/2/2019 9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.19	mg/l	10/15/19 17:00	10/17/19 17:50	--	1
TCLP Chromium	6010B	0.028	mg/l	10/15/19 17:00	10/17/19 17:50	--	1
TCLP Lead	6010B	34	mg/l	10/15/19 17:00	10/17/19 17:50	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:02	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:50	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:50	--	1

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	57000	mg/kg	10/08/19 15:30	10/11/19 12:04	D2,	10
Antimony	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Arsenic	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Barium	6010B	910	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Beryllium	6010B	<6.9	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Cadmium	6010B	26	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Calcium	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Chromium	6010B	230	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Cobalt	6010B	39	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Copper	6010B	15000	mg/kg	10/08/19 15:30	10/11/19 12:04	D2,	10
Iron	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 12:04	D2,	10
Lead	6010B	4400	mg/kg	10/08/19 15:30	10/11/19 12:04	D2,	10
Magnesium	6010B	3000	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Manganese	6010B	950	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Mercury	7471A	<0.14	mg/kg	10/07/19 15:22	10/11/19 11:12	--	1
Nickel	6010B	250	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Potassium	6010B	<340	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Selenium	6010B	<66	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Silver	6010B	<6.9	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Sodium	6010B	<340	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Thallium	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Vanadium	6010B	30	mg/kg	10/08/19 15:30	10/11/19 12:04	D1,	10
Zinc	6010B	23000	mg/kg	10/08/19 15:30	10/11/19 12:04	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:53	--	1
TCLP Barium	6010B	3.3	mg/l	10/15/19 17:00	10/17/19 17:53	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-01-3-A	24627-009	10/7/2019 9:39	10/2/2019 9:07	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.17	mg/l	10/15/19 17:00	10/17/19 17:53	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:53	--	1
TCLP Lead	6010B	5.3	mg/l	10/15/19 17:00	10/17/19 17:53	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:04	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:53	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:53	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	11000	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Antimony	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Arsenic	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Barium	6010B	150	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Beryllium	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Cadmium	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Calcium	6010B	200000	mg/kg	10/08/19 15:30	10/11/19 12:12	D2,	10
Chromium	6010B	190	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Cobalt	6010B	17	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Copper	6010B	340	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Iron	6010B	190000	mg/kg	10/08/19 15:30	10/11/19 12:12	D2,	10
Lead	6010B	910	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Magnesium	6010B	2100	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Manganese	6010B	1000	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Mercury	7471A	<0.13	mg/kg	10/07/19 15:22	10/11/19 11:13	--	1
Nickel	6010B	86	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Potassium	6010B	<340	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Selenium	6010B	<64	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Silver	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Sodium	6010B	<340	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Thallium	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Vanadium	6010B	20	mg/kg	10/08/19 15:30	10/11/19 12:12	D1,	10
Zinc	6010B	5900	mg/kg	10/08/19 15:30	10/11/19 12:12	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:56	--	1
TCLP Barium	6010B	1.1	mg/l	10/15/19 17:00	10/17/19 17:56	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-04-3-A	24627-010	10/7/2019 9:39	10/2/2019 10:48	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.38	mg/l	10/15/19 17:00	10/17/19 17:56	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:56	--	1
TCLP Lead	6010B	0.73	mg/l	10/15/19 17:00	10/17/19 17:56	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:05	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:56	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:56	--	1

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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	4300	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Antimony	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Arsenic	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Barium	6010B	210	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Beryllium	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Cadmium	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Calcium	6010B	80000	mg/kg	10/08/19 15:30	10/11/19 12:20	D2,	10
Chromium	6010B	95	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Cobalt	6010B	16	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Copper	6010B	240	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Iron	6010B	300000	mg/kg	10/08/19 15:30	10/11/19 12:20	D2,	10
Lead	6010B	1400	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Magnesium	6010B	1600	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Manganese	6010B	1800	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Mercury	7471A	0.49	mg/kg	10/07/19 15:22	10/11/19 11:15	--	1
Nickel	6010B	70	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Potassium	6010B	<370	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Selenium	6010B	<71	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Silver	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Sodium	6010B	<370	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Thallium	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Vanadium	6010B	15	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
Zinc	6010B	3100	mg/kg	10/08/19 15:30	10/11/19 12:20	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 17:58	--	1
TCLP Barium	6010B	1.9	mg/l	10/15/19 17:00	10/17/19 17:58	--	1

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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-01-1-A	24627-011	10/7/2019 9:39	10/2/2019 13:34	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.025	mg/l	10/15/19 17:00	10/17/19 17:58	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:58	--	1
TCLP Lead	6010B	16	mg/l	10/15/19 17:00	10/17/19 17:58	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:07	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 17:58	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 17:58	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	3500	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Antimony	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Arsenic	6010B	44	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Barium	6010B	120	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Beryllium	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Cadmium	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Calcium	6010B	120000	mg/kg	10/08/19 15:30	10/11/19 12:27	D2,	10
Chromium	6010B	230	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Cobalt	6010B	15	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Copper	6010B	240	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Iron	6010B	190000	mg/kg	10/08/19 15:30	10/11/19 12:27	D2,	10
Lead	6010B	1300	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Magnesium	6010B	4400	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Manganese	6010B	870	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Mercury	7471A	1.5	mg/kg	10/07/19 15:22	10/11/19 11:20	--	1
Nickel	6010B	95	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Potassium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Selenium	6010B	<64	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Silver	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Sodium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Thallium	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Vanadium	6010B	12	mg/kg	10/08/19 15:30	10/11/19 12:27	D1,	10
Zinc	6010B	4000	mg/kg	10/08/19 15:30	10/11/19 12:27	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:01	--	1
TCLP Barium	6010B	0.92	mg/l	10/15/19 17:00	10/17/19 18:01	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-02-1-A	24627-012	10/7/2019 9:39	10/2/2019 13:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:01	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:01	--	1
TCLP Lead	6010B	57	mg/l	10/15/19 17:00	10/17/19 18:01	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:09	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:01	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:01	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	4400	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Antimony	6010B	<29	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Arsenic	6010B	<29	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Barium	6010B	410	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Beryllium	6010B	<7.3	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Cadmium	6010B	<7.3	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Calcium	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 12:35	D2,	10
Chromium	6010B	100	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Cobalt	6010B	12	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Copper	6010B	220	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Iron	6010B	120000	mg/kg	10/08/19 15:30	10/11/19 12:35	D2,	10
Lead	6010B	1600	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Magnesium	6010B	1600	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Manganese	6010B	700	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Mercury	7471A	0.77	mg/kg	10/07/19 15:22	10/11/19 11:22	--	1
Nickel	6010B	63	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Potassium	6010B	<360	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Selenium	6010B	<70	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Silver	6010B	<7.3	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Sodium	6010B	<360	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Thallium	6010B	<29	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Vanadium	6010B	9.6	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
Zinc	6010B	1900	mg/kg	10/08/19 15:30	10/11/19 12:35	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:04	--	1
TCLP Barium	6010B	1.8	mg/l	10/15/19 17:00	10/17/19 18:04	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-01-1-A	24627-013	10/7/2019 9:39	10/2/2019 13:34	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.020	mg/l	10/15/19 17:00	10/17/19 18:04	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:04	--	1
TCLP Lead	6010B	5.0	mg/l	10/15/19 17:00	10/17/19 18:04	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:10	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:04	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:04	--	1

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Lab Reference #: WST 24627
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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	15000	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Antimony	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Arsenic	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Barium	6010B	110	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Beryllium	6010B	<6.3	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Cadmium	6010B	<6.3	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Calcium	6010B	210000	mg/kg	10/08/19 15:30	10/11/19 12:43	D2,	10
Chromium	6010B	140	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Cobalt	6010B	11	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Copper	6010B	160	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Iron	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 12:43	D2,	10
Lead	6010B	390	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Magnesium	6010B	1800	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Manganese	6010B	940	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Mercury	7471A	0.24	mg/kg	10/07/19 15:22	10/11/19 11:24	--	1
Nickel	6010B	59	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Potassium	6010B	<310	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Selenium	6010B	<60	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Silver	6010B	<6.3	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Sodium	6010B	<310	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Thallium	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Vanadium	6010B	20	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
Zinc	6010B	2000	mg/kg	10/08/19 15:30	10/11/19 12:43	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:13	--	1
TCLP Barium	6010B	0.88	mg/l	10/15/19 17:00	10/17/19 18:13	--	1

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-05-0.5-A	24627-014	10/7/2019 9:39	10/2/2019 11:27	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.026	mg/l	10/15/19 17:00	10/17/19 18:13	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:13	--	1
TCLP Lead	6010B	2.5	mg/l	10/15/19 17:00	10/17/19 18:13	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:12	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:13	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:13	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 12:51	D2,	10
Antimony	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Arsenic	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Barium	6010B	45	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Beryllium	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Cadmium	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Calcium	6010B	120000	mg/kg	10/08/19 15:30	10/11/19 12:51	D2,	10
Chromium	6010B	910	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Cobalt	6010B	16	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Copper	6010B	140	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Iron	6010B	96000	mg/kg	10/08/19 15:30	10/11/19 12:51	D2,	10
Lead	6010B	110	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Magnesium	6010B	1400	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Manganese	6010B	600	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Mercury	7471A	0.21	mg/kg	10/07/19 15:22	10/11/19 11:25	--	1
Nickel	6010B	130	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Potassium	6010B	<320	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Selenium	6010B	<62	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Silver	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Sodium	6010B	<320	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Thallium	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Vanadium	6010B	160	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
Zinc	6010B	830	mg/kg	10/08/19 15:30	10/11/19 12:51	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:16	--	1
TCLP Barium	6010B	0.74	mg/l	10/15/19 17:00	10/17/19 18:16	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-03-1-A	24627-015	10/7/2019 9:39	10/2/2019 15:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:16	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:16	--	1
TCLP Lead	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:16	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:13	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:16	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:16	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	9900	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Antimony	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Arsenic	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Barium	6010B	66	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Beryllium	6010B	<5.9	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Cadmium	6010B	8.0	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Calcium	6010B	28000	mg/kg	10/08/19 15:30	10/11/19 12:58	D2,	10
Chromium	6010B	100	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Cobalt	6010B	6.5	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Copper	6010B	140	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Iron	6010B	72000	mg/kg	10/08/19 15:30	10/11/19 12:58	D2,	10
Lead	6010B	200	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Magnesium	6010B	2400	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Manganese	6010B	400	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Mercury	7471A	<0.12	mg/kg	10/10/19 11:30	10/11/19 10:02	--	1
Nickel	6010B	42	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Potassium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Selenium	6010B	<57	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Silver	6010B	<5.9	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Sodium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Thallium	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Vanadium	6010B	17	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
Zinc	6010B	1500	mg/kg	10/08/19 15:30	10/11/19 12:58	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:18	--	1
TCLP Barium	6010B	0.79	mg/l	10/15/19 17:00	10/17/19 18:18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-02-4-A	24627-016	10/7/2019 9:39	10/2/2019 15:36	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:18	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:18	--	1
TCLP Lead	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:18	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:15	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:18	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	8200	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Antimony	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Arsenic	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Barium	6010B	73	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Beryllium	6010B	<5.9	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Cadmium	6010B	<5.9	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Calcium	6010B	250000	mg/kg	10/08/19 15:30	10/11/19 13:06	D2,	10
Chromium	6010B	75	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Cobalt	6010B	<5.9	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Copper	6010B	170	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Iron	6010B	67000	mg/kg	10/08/19 15:30	10/11/19 13:06	D2,	10
Lead	6010B	150	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Magnesium	6010B	2000	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Manganese	6010B	380	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Mercury	7471A	0.19	mg/kg	10/10/19 11:30	10/11/19 10:07	--	1
Nickel	6010B	34	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Potassium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Selenium	6010B	<57	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Silver	6010B	<5.9	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Sodium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Thallium	6010B	24	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Vanadium	6010B	14	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
Zinc	6010B	1400	mg/kg	10/08/19 15:30	10/11/19 13:06	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:20	--	1
TCLP Barium	6010B	0.75	mg/l	10/15/19 17:00	10/17/19 18:20	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-04-1-A	24627-017	10/7/2019 9:39	10/2/2019 15:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:20	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:20	--	1
TCLP Lead	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:20	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:19	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:20	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:20	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	5200	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Antimony	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Arsenic	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Barium	6010B	43	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Beryllium	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Cadmium	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Calcium	6010B	300000	mg/kg	10/08/19 15:30	10/11/19 13:29	D2,	10
Chromium	6010B	50	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Cobalt	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Copper	6010B	340	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Iron	6010B	37000	mg/kg	10/08/19 15:30	10/11/19 13:29	D2,	10
Lead	6010B	130	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Magnesium	6010B	4000	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Manganese	6010B	190	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Mercury	7471A	0.87	mg/kg	10/10/19 11:30	10/11/19 10:09	--	1
Nickel	6010B	20	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Potassium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Selenium	6010B	<58	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Silver	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Sodium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Thallium	6010B	24	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Vanadium	6010B	9.2	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
Zinc	6010B	920	mg/kg	10/08/19 15:30	10/11/19 13:29	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:23	--	1
TCLP Barium	6010B	0.60	mg/l	10/15/19 17:00	10/17/19 18:23	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-03-4-A	24627-018	10/7/2019 9:39	10/2/2019 15:43	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:23	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:23	--	1
TCLP Lead	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:23	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:21	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:23	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:23	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	39000	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Antimony	6010B	39	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Arsenic	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Barium	6010B	1700	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Beryllium	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Cadmium	6010B	21	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Calcium	6010B	150000	mg/kg	10/08/19 15:30	10/11/19 13:37	D2,	10
Chromium	6010B	320	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Cobalt	6010B	43	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Copper	6010B	43000	mg/kg	10/08/19 15:30	10/10/19 18:09	D2,	50
Iron	6010B	150000	mg/kg	10/08/19 15:30	10/11/19 13:37	D2,	10
Lead	6010B	5900	mg/kg	10/08/19 15:30	10/11/19 13:37	D2,	10
Magnesium	6010B	3200	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Manganese	6010B	980	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Mercury	7471A	1.5	mg/kg	10/10/19 11:30	10/11/19 10:10	--	1
Nickel	6010B	370	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Potassium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Selenium	6010B	<64	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Silver	6010B	<6.7	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Sodium	6010B	390	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Thallium	6010B	<27	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Vanadium	6010B	35	mg/kg	10/08/19 15:30	10/11/19 13:37	D1,	10
Zinc	6010B	29000	mg/kg	10/08/19 15:30	10/11/19 13:37	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:25	--	1
TCLP Barium	6010B	2.6	mg/l	10/15/19 17:00	10/17/19 18:25	--	1

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-04-9-A	24627-019	10/7/2019 9:39	10/2/2019 10:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.21	mg/l	10/15/19 17:00	10/17/19 18:25	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:25	--	1
TCLP Lead	6010B	13	mg/l	10/15/19 17:00	10/17/19 18:25	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 18:22	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:25	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:25	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	53000	mg/kg	10/08/19 15:30	10/11/19 13:45	D2,	10
Antimony	6010B	29	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Arsenic	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Barium	6010B	840	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Beryllium	6010B	<7.0	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Cadmium	6010B	20	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Calcium	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 13:45	D2,	10
Chromium	6010B	210	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Cobalt	6010B	31	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Copper	6010B	48000	mg/kg	10/08/19 15:30	10/10/19 18:16	D2,	50
Iron	6010B	140000	mg/kg	10/08/19 15:30	10/11/19 13:45	D2,	10
Lead	6010B	5600	mg/kg	10/08/19 15:30	10/11/19 13:45	D2,	10
Magnesium	6010B	2500	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Manganese	6010B	1000	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Mercury	7471A	0.98	mg/kg	10/10/19 11:30	10/11/19 10:12	--	1
Nickel	6010B	180	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Potassium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Selenium	6010B	<67	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Silver	6010B	<7.0	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Sodium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Thallium	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Vanadium	6010B	29	mg/kg	10/08/19 15:30	10/11/19 13:45	D1,	10
Zinc	6010B	24000	mg/kg	10/08/19 15:30	10/11/19 13:45	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 18:28	--	1
TCLP Barium	6010B	3.1	mg/l	10/15/19 17:00	10/17/19 18:28	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-03-6-A	24627-020	10/7/2019 9:39	10/2/2019 9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.16	mg/l	10/15/19 17:00	10/17/19 18:28	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:28	--	1
TCLP Lead	6010B	4.5	mg/l	10/15/19 17:00	10/17/19 18:28	--	1
TCLP Mercury	7470A	0.053	mg/l	10/15/19 10:30	10/17/19 18:24	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 18:28	--	1
TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 18:28	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	20000	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Antimony	6010B	<29	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Arsenic	6010B	<29	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Barium	6010B	120	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Beryllium	6010B	<7.2	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Cadmium	6010B	<7.2	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Calcium	6010B	160000	mg/kg	10/08/19 15:30	10/11/19 13:53	D2,	10
Chromium	6010B	160	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Cobalt	6010B	8.7	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Copper	6010B	270	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Iron	6010B	65000	mg/kg	10/08/19 15:30	10/11/19 13:53	D2,	10
Lead	6010B	420	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Magnesium	6010B	2200	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Manganese	6010B	780	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Mercury	7471A	0.27	mg/kg	10/10/19 11:30	10/11/19 10:18	--	1
Nickel	6010B	59	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Potassium	6010B	<360	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Selenium	6010B	<69	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Silver	6010B	<7.2	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Sodium	6010B	<360	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Thallium	6010B	<29	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Vanadium	6010B	25	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
Zinc	6010B	2700	mg/kg	10/08/19 15:30	10/11/19 13:53	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:30	--	1
TCLP Barium	6010B	0.94	mg/l	10/16/19 17:00	10/17/19 19:30	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-05-3-A	24627-021	10/7/2019 9:39	10/2/2019 11:28	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:30	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:30	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:30	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:13	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:30	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:30	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	3400	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Antimony	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Arsenic	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Barium	6010B	110	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Beryllium	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Cadmium	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Calcium	6010B	280000	mg/kg	10/08/19 15:30	10/11/19 14:16	D2,	10
Chromium	6010B	47	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Cobalt	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Copper	6010B	170	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Iron	6010B	69000	mg/kg	10/08/19 15:30	10/11/19 14:16	D2,	10
Lead	6010B	310	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Magnesium	6010B	1900	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Manganese	6010B	330	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Mercury	7471A	0.13	mg/kg	10/10/19 11:30	10/11/19 10:19	--	1
Nickel	6010B	56	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Potassium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Selenium	6010B	<58	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Silver	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Sodium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Thallium	6010B	25	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Vanadium	6010B	6.4	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
Zinc	6010B	1600	mg/kg	10/08/19 15:30	10/11/19 14:16	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:37	--	1
TCLP Barium	6010B	1.4	mg/l	10/16/19 17:00	10/17/19 19:37	--	1

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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-06-1-A	24627-022	10/7/2019 9:39	10/2/2019 14:17	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:37	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:37	--	1
TCLP Lead	6010B	0.11	mg/l	10/16/19 17:00	10/17/19 19:37	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:15	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:37	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:37	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 14:23	D2,	10
Antimony	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Arsenic	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Barium	6010B	48	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Beryllium	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Cadmium	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Calcium	6010B	78000	mg/kg	10/08/19 15:30	10/11/19 14:23	D2,	10
Chromium	6010B	1100	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Cobalt	6010B	17	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Copper	6010B	140	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Iron	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 14:23	D2,	10
Lead	6010B	130	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Magnesium	6010B	1100	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Manganese	6010B	640	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Mercury	7471A	0.31	mg/kg	10/10/19 11:30	10/11/19 10:21	--	1
Nickel	6010B	140	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Potassium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Selenium	6010B	<63	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Silver	6010B	<6.5	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Sodium	6010B	<330	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Thallium	6010B	<26	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Vanadium	6010B	140	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
Zinc	6010B	1300	mg/kg	10/08/19 15:30	10/11/19 14:23	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:39	--	1
TCLP Barium	6010B	0.41	mg/l	10/16/19 17:00	10/17/19 19:39	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-01-1-A	24627-023	10/7/2019 9:39	10/2/2019 15:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:39	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:39	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:39	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:16	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:39	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:39	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	32000	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Antimony	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Arsenic	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Barium	6010B	690	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Beryllium	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Cadmium	6010B	18	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Calcium	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 14:31	D2,	10
Chromium	6010B	180	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Cobalt	6010B	32	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Copper	6010B	2000	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Iron	6010B	140000	mg/kg	10/08/19 15:30	10/11/19 14:31	D2,	10
Lead	6010B	3700	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Magnesium	6010B	3000	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Manganese	6010B	1000	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Mercury	7471A	1.1	mg/kg	10/10/19 11:30	10/11/19 10:23	--	1
Nickel	6010B	260	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Potassium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Selenium	6010B	<58	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Silver	6010B	<6.0	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Sodium	6010B	<300	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Thallium	6010B	<24	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Vanadium	6010B	23	mg/kg	10/08/19 15:30	10/11/19 14:31	D1,	10
Zinc	6010B	19000	mg/kg	10/08/19 15:30	10/11/19 14:31	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:41	--	1
TCLP Barium	6010B	3.1	mg/l	10/16/19 17:00	10/17/19 19:41	--	1

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Lab Reference #: WST 24627
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-02-3-A	24627-024	10/7/2019 9:39	10/2/2019 9:43	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.17	mg/l	10/16/19 17:00	10/17/19 19:41	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:41	--	1
TCLP Lead	6010B	7.9	mg/l	10/16/19 17:00	10/17/19 19:41	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:21	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:41	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:41	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	4300	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Antimony	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Arsenic	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Barium	6010B	110	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Beryllium	6010B	<6.2	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Cadmium	6010B	<6.2	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Calcium	6010B	220000	mg/kg	10/08/19 15:30	10/11/19 14:39	D2,	10
Chromium	6010B	61	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Cobalt	6010B	7.6	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Copper	6010B	940	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Iron	6010B	110000	mg/kg	10/08/19 15:30	10/11/19 14:39	D2,	10
Lead	6010B	810	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Magnesium	6010B	1900	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Manganese	6010B	1200	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Mercury	7471A	0.24	mg/kg	10/10/19 11:30	10/11/19 10:25	--	1
Nickel	6010B	48	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Potassium	6010B	<310	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Selenium	6010B	<60	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Silver	6010B	<6.2	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Sodium	6010B	<310	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Thallium	6010B	<25	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Vanadium	6010B	9.3	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
Zinc	6010B	2200	mg/kg	10/08/19 15:30	10/11/19 14:39	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:44	--	1
TCLP Barium	6010B	0.92	mg/l	10/16/19 17:00	10/17/19 19:44	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-1-05-1-A	24627-025	10/7/2019 9:39	10/2/2019 14:01	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:44	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:44	--	1
TCLP Lead	6010B	1.2	mg/l	10/16/19 17:00	10/17/19 19:44	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:22	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:44	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:44	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	79000	mg/kg	10/08/19 15:30	10/11/19 15:02	D2,	10
Antimony	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Arsenic	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Barium	6010B	970	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Beryllium	6010B	<7.1	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Cadmium	6010B	27	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Calcium	6010B	88000	mg/kg	10/08/19 15:30	10/11/19 15:02	D2,	10
Chromium	6010B	210	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Cobalt	6010B	41	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Copper	6010B	13000	mg/kg	10/08/19 15:30	10/11/19 15:02	D2,	10
Iron	6010B	130000	mg/kg	10/08/19 15:30	10/11/19 15:02	D2,	10
Lead	6010B	4000	mg/kg	10/08/19 15:30	10/11/19 15:02	D2,	10
Magnesium	6010B	5400	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Manganese	6010B	960	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Mercury	7471A	1.7	mg/kg	10/10/19 11:30	10/11/19 10:26	--	1
Nickel	6010B	250	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Potassium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Selenium	6010B	<68	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Silver	6010B	<7.1	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Sodium	6010B	<350	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Thallium	6010B	<28	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Vanadium	6010B	25	mg/kg	10/08/19 15:30	10/11/19 15:02	D1,	10
Zinc	6010B	24000	mg/kg	10/08/19 15:30	10/11/19 15:02	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:46	--	1
TCLP Barium	6010B	3.2	mg/l	10/16/19 17:00	10/17/19 19:46	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-2-03-12-A	24627-026	10/7/2019 9:39	10/2/2019 9:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.18	mg/l	10/16/19 17:00	10/17/19 19:46	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:46	--	1
TCLP Lead	6010B	8.2	mg/l	10/16/19 17:00	10/17/19 19:46	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:24	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:46	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:46	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	150000	mg/kg	10/08/19 15:30	10/11/19 15:10	D2,	10
Antimony	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Arsenic	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Barium	6010B	860	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Beryllium	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Cadmium	6010B	10	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Calcium	6010B	33000	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Chromium	6010B	190	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Cobalt	6010B	33	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Copper	6010B	14000	mg/kg	10/08/19 15:30	10/11/19 15:10	D2,	10
Iron	6010B	120000	mg/kg	10/08/19 15:30	10/11/19 15:10	D2,	10
Lead	6010B	2100	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Magnesium	6010B	2100	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Manganese	6010B	970	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Mercury	7471A	0.49	mg/kg	10/10/19 11:30	10/11/19 10:28	--	1
Nickel	6010B	280	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Potassium	6010B	<370	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Selenium	6010B	<71	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Silver	6010B	<7.4	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Sodium	6010B	<370	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Thallium	6010B	<30	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Vanadium	6010B	21	mg/kg	10/08/19 15:30	10/11/19 15:10	D1,	10
Zinc	6010B	16000	mg/kg	10/08/19 15:30	10/11/19 15:10	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:49	--	1
TCLP Barium	6010B	3.3	mg/l	10/16/19 17:00	10/17/19 19:49	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-01-15-A	24627-027	10/7/2019 9:39	10/2/2019 9:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.034	mg/l	10/16/19 17:00	10/17/19 19:49	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:49	--	1
TCLP Lead	6010B	1.8	mg/l	10/16/19 17:00	10/17/19 19:49	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:25	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:49	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:49	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1008191	Aluminum	6010B	<10	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Antimony	6010B	<2.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Arsenic	6010B	<2.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Barium	6010B	<1.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Beryllium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Cadmium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Calcium	6010B	<25	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Chromium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Cobalt	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Copper	6010B	<5.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Iron	6010B	<10	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Lead	6010B	<0.80	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Magnesium	6010B	<5.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Manganese	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBSR1007191	Mercury	7471A	<0.10	mg/kg	10/07/19 15:22	10/11/19 10:45	--	1
MBIR1008191	Nickel	6010B	<1.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Potassium	6010B	<25	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Selenium	6010B	<4.8	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Silver	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Sodium	6010B	<25	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Thallium	6010B	<2.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Vanadium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1
MBIR1008191	Zinc	6010B	<5.0	mg/kg	10/08/19 15:30	10/10/19 13:51	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1008192	Aluminum	6010B	<10	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Antimony	6010B	<2.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Arsenic	6010B	<2.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Barium	6010B	<1.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Beryllium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Cadmium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Calcium	6010B	<25	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Chromium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Cobalt	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Copper	6010B	<5.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Iron	6010B	<10	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Lead	6010B	<0.80	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Magnesium	6010B	<5.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Manganese	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1010191	Mercury	7471A	<0.10	mg/kg	10/10/19 11:30	10/11/19 09:57	--	1
MBIR1008192	Nickel	6010B	<1.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Potassium	6010B	<25	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Selenium	6010B	<4.8	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Silver	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Sodium	6010B	<25	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Thallium	6010B	<2.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Vanadium	6010B	<0.50	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1
MBIR1008192	Zinc	6010B	<5.0	mg/kg	10/08/19 15:30	10/10/19 14:19	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1015191	TCLP Arsenic	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 16:43	--	1
MBIR1015191	TCLP Barium	6010B	<0.040	mg/l	10/15/19 17:00	10/17/19 16:43	--	1
MBIR1015191	TCLP Cadmium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 16:43	--	1
MBIR1015191	TCLP Chromium	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 16:43	--	1
MBIR1015191	TCLP Lead	6010B	<0.080	mg/l	10/15/19 17:00	10/17/19 16:43	--	1
MBSR1015193	TCLP Mercury	7470A	<0.010	mg/l	10/15/19 10:30	10/17/19 17:34	--	1
MBIR1015191	TCLP Selenium	6010B	<0.20	mg/l	10/15/19 17:00	10/17/19 16:43	--	1
MBIR1015191	TCLP Silver	6010B	<0.020	mg/l	10/15/19 17:00	10/17/19 16:43	--	1

Method Blank	Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1016191	TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Barium	6010B	<0.040	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016192	TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 13:38	--	1
MBIR1016191	TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:50	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 10:00
Date of Analysis: 10/10/2019 16:36
Dup Date of Analysis: 10/10/2019 16:57
Laboratory Sample #: 24627-015
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	36.0	1000	1020	1130	98	109	10	62-154	28	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	109	109	☐

LCS	LCSD	Qual
104	103	☐

ACP % RC
45-170

Laboratory Control Sample

Date of Extraction: 10/10/2019 10:00
Date of Analysis: 10/10/2019 14:49
Dup Date of Analysis: 10/10/2019 15:09
Laboratory Sample #: TS1010191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1000	1070	100	107	7	70-140	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 10:55
Date of Analysis: 10/10/2019 22:49
Dup Date of Analysis: 10/10/2019 23:09
Laboratory Sample #: 24627-023
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	70.0	1000	1090	1080	102	101	1	62-154	28	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	112	111	☐

LCS	LCSD	Qual
109	110	☐

ACP % RC
45-170

Laboratory Control Sample

Date of Extraction: 10/10/2019 10:55
Date of Analysis: 10/10/2019 22:07
Dup Date of Analysis: 10/10/2019 22:28
Laboratory Sample #: TS1010192
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1070	1080	107	108	1	70-140	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/8/2019 9:55
Date of Analysis: 10/8/2019 10:39
Dup Date of Analysis: 10/8/2019 10:58
Laboratory Sample #: 24632-003
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.249	0.221	100	88	12	41-130	22	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	85	77	☐

LCS	LCSD	Qual
91	88	☐

ACP % RC
52-130

Laboratory Control Sample

Date of Extraction: 10/8/2019 9:55
Date of Analysis: 10/8/2019 10:03
Dup Date of Analysis: 10/8/2019 10:21
Laboratory Sample #: TS1008191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.246	0.254	98	102	3	41-136	24	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/9/2019 7:35
Date of Analysis: 10/9/2019 8:37
Dup Date of Analysis: 10/9/2019 8:55
Laboratory Sample #: 24631-010
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.229	0.225	92	90	2	41-130	22	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	84	82	☐

LCS	LCSD	Qual
90	85	☐

ACP % RC
52-130

Laboratory Control Sample

Date of Extraction: 10/9/2019 7:35
Date of Analysis: 10/9/2019 8:01
Dup Date of Analysis: 10/9/2019 8:19
Laboratory Sample #: TS1009191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.220	0.233	88	93	6	41-136	24	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/7/2019 15:30
Date of Analysis: 10/10/2019 14:41
Dup Date of Analysis: 10/10/2019 14:55
Laboratory Sample #: 24627-004
MS/MSD Qualifiers: M2, R2,
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Gamma-BHC	0.00	20.0	7.97	11.5	40	57	36	41-130	25	☑
Heptachlor	0.00	20.0	15.8	14.2	79	71	11	36-130	26	☐
Aldrin	0.00	20.0	17.3	14.3	86	72	19	41-130	25	☐
Dieldrin	7.10	40.0	23.2	25.7	40	47	10	39-137	23	☐
Endrin	0.00	40.0	21.0	24.7	52	62	16	46-150	25	☐
DDT	0.00	40.0	44.6	39.6	112	99	12	41-148	25	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	113	89	☐

LCS	LCSD	Qual
91	105	☐

ACP % RC
49-131

Laboratory Control Sample

Date of Extraction: 10/7/2019 15:30
Date of Analysis: 10/10/2019 13:18
Dup Date of Analysis: 10/10/2019 13:33
Laboratory Sample #: AV1007192A
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Gamma-BHC	20.0	13.5	16.9	68	84	22	45-130	25	☐
Heptachlor	20.0	10.4	10.9	52	54	5	42-130	27	☐
Aldrin	20.0	9.59	10.2	48	51	6	44-130	26	☐
Dieldrin	40.0	28.9	31.7	72	79	9	43-131	20	☐
Endrin	40.0	32.1	36.0	80	90	11	47-145	20	☐
DDT	40.0	48.0	53.2	120	133	10	45-140	20	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 11:54
Dup Date of Analysis: 10/14/2019 12:09
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: R2,
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Gamma-BHC	0.00	20.0	10.1	9.07	50	45	11	41-130	25	☐
Heptachlor	0.00	20.0	16.2	11.9	81	59	31	36-130	26	☑
Aldrin	0.00	20.0	12.5	12.6	63	63	1	41-130	25	☐
Dieldrin	0.00	40.0	34.3	33.2	86	83	3	39-137	23	☐
Endrin	0.00	40.0	26.5	25.3	66	63	5	46-150	25	☐
DDT	0.00	40.0	43.4	40.7	109	102	6	41-148	25	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	103	99	☐

LCS	LCSD	Qual
87	79	☐

ACP % RC
49-131

Laboratory Control Sample

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 10:40
Dup Date of Analysis: 10/14/2019 10:55
Laboratory Sample #: BL1010191A
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Gamma-BHC	20.0	17.4	15.9	87	79	9	45-130	25	☐
Heptachlor	20.0	15.1	13.9	75	69	8	42-130	27	☐
Aldrin	20.0	17.4	16.1	87	81	8	44-130	26	☐
Dieldrin	40.0	40.9	35.9	102	90	13	43-131	20	☐
Endrin	40.0	42.5	38.3	106	96	10	47-145	20	☐
DDT	40.0	50.3	44.7	126	112	12	45-140	20	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 17:40
Date of Analysis: 10/14/2019 14:07
Dup Date of Analysis: 10/14/2019 14:21
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Gamma-BHC	0.00	20.0	10.6	11.2	53	56	6	41-130	25	☐
Heptachlor	0.00	20.0	14.9	13.4	75	67	11	36-130	26	☐
Aldrin	0.00	20.0	13.2	13.0	66	65	2	41-130	25	☐
Dieldrin	0.00	40.0	24.0	28.6	60	72	17	39-137	23	☐
Endrin	0.00	40.0	24.8	30.1	62	75	19	46-150	25	☐
DDT	0.00	40.0	45.6	46.0	114	115	1	41-148	25	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	108	102	☐

ACP % RC
49-131

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/7/2019 15:30
Date of Analysis: 10/10/2019 15:10
Dup Date of Analysis: 10/10/2019 15:25
Laboratory Sample #: 24627-004
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	157	160	105	107	2	39-130	20	☐
PCB-1260	0.00	150	145	172	97	115	17	39-141	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Decachlorobiphenyl	81	81	☐	84	85	☐	49-131

Laboratory Control Sample

Date of Extraction: 10/7/2019 15:30
Date of Analysis: 10/10/2019 13:18
Dup Date of Analysis: 10/10/2019 14:03
Laboratory Sample #: AV1007192B
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	156	134	104	89	15	39-130	23	☐
PCB-1260	150	175	169	117	113	3	54-130	20	☐

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 12:24
Dup Date of Analysis: 10/14/2019 12:38
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: M1, R2,
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	61.6	150	161	277	66	144	53	39-130	20	☑
PCB-1260	778	150	892	991	76	142	11	39-141	20	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	86	86	☐

LCS	LCSD	Qual
85	98	☐

ACP % RC
49-131

Laboratory Control Sample

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 11:10
Dup Date of Analysis: 10/14/2019 11:25
Laboratory Sample #: BL1010191B
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	158	154	105	103	3	39-130	23	☐
PCB-1260	150	179	193	119	129	8	54-130	20	☐

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 17:40
Date of Analysis: 10/14/2019 14:36
Dup Date of Analysis: 10/14/2019 14:51
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: M1, R2,
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	159	149	106	99	6	39-130	20	☐
PCB-1260	0.00	150	268	211	179	141	24	39-141	20	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	87	73	☐

LCS	Qual
	☐

ACP % RC
49-131

Laboratory Control Sample

Date of Extraction: 10/7/2019 15:30
Date of Analysis: 10/14/2019
Laboratory Sample #:
LCS Qualifiers: None

Analyte	SPC CONC	LCS	%LCS	ACP %LCS	Qual
PCB-1016	150	Null		39-130	☐
PCB-1260	150	Null		54-130	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/8/2019 5:46
Date of Analysis: 10/8/2019 14:27
Dup Date of Analysis: 10/8/2019 14:47
Laboratory Sample #: 24675-005
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	8.09	8.33	81	83	3	54-134	20	☐
Benzene	0.00	10.0	9.33	9.04	93	90	3	69-141	20	☐
Trichloroethene	0.00	10.0	8.44	8.61	84	86	2	70-139	20	☐
Toluene	0.00	10.0	8.92	8.54	89	85	4	62-136	20	☐
Chlorobenzene	0.00	10.0	8.90	8.38	89	84	6	70-133	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	98	99	☐	94	97	☐	55-139
Toluene-d8	77	77	☐	77	77	☐	60-130
4-Bromofluorobenzene	73	74	☐	74	74	☐	46-130

Laboratory Control Sample

Date of Extraction: 10/8/2019 5:46
Date of Analysis: 10/8/2019 12:00
Dup Date of Analysis: 10/8/2019 12:22
Laboratory Sample #: HT1008191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	9.29	9.51	93	95	2	55-130	20	☐
Benzene	10.0	11.2	11.2	112	112	0	70-132	20	☐
Trichloroethene	10.0	10.6	10.5	106	105	1	70-133	20	☐
Toluene	10.0	10.9	10.6	109	106	3	59-130	20	☐
Chlorobenzene	10.0	10.7	10.6	107	106	1	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 5:59
Date of Analysis: 10/10/2019 8:04
Dup Date of Analysis: 10/10/2019 8:24
Laboratory Sample #: 24627-006
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.74	9.24	97	92	5	54-134	20	☐
Benzene	0.00	10.0	10.1	10.5	101	105	4	69-141	20	☐
Trichloroethene	0.00	10.0	9.55	9.88	96	99	3	70-139	20	☐
Toluene	0.00	10.0	9.49	9.81	95	98	3	62-136	20	☐
Chlorobenzene	0.00	10.0	9.76	9.79	98	98	0	70-133	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	97	98	☐	105	103	☐	55-139
Toluene-d8	74	75	☐	76	75	☐	60-130
4-Bromofluorobenzene	71	73	☐	73	74	☐	46-130

Laboratory Control Sample

Date of Extraction: 10/10/2019 5:59
Date of Analysis: 10/10/2019 14:38
Dup Date of Analysis: 10/10/2019 7:43
Laboratory Sample #: MN1010191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	10.3	10.6	103	106	3	55-130	20	☐
Benzene	10.0	11.8	11.8	118	118	0	70-132	20	☐
Trichloroethene	10.0	11.1	10.9	111	109	2	70-133	20	☐
Toluene	10.0	11.0	10.9	110	109	1	59-130	20	☐
Chlorobenzene	10.0	11.1	10.8	111	108	3	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/12/2019 4:45
Date of Analysis: 10/12/2019 7:31
Dup Date of Analysis: 10/12/2019 7:51
Laboratory Sample #: 24627-020
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	10.5	10.5	105	105	0	54-134	20	☐
Benzene	0.00	10.0	11.8	11.3	118	113	4	69-141	20	☐
Trichloroethene	0.00	10.0	11.1	10.7	111	107	4	70-139	20	☐
Toluene	0.00	10.0	10.8	10.1	108	101	7	62-136	20	☐
Chlorobenzene	0.00	10.0	11.3	10.4	113	104	8	70-133	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	100	97	☐	97	100	☐	55-139
Toluene-d8	75	73	☐	72	73	☐	60-130
4-Bromofluorobenzene	78	75	☐	74	74	☐	46-130

Laboratory Control Sample

Date of Extraction: 10/12/2019 4:45
Date of Analysis: 10/12/2019 6:50
Dup Date of Analysis: 10/12/2019 7:10
Laboratory Sample #: MN1012191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	11.4	10.2	114	102	11	55-130	20	☐
Benzene	10.0	11.8	11.4	118	114	3	70-132	20	☐
Trichloroethene	10.0	11.0	10.7	110	107	3	70-133	20	☐
Toluene	10.0	11.0	10.5	110	105	5	59-130	20	☐
Chlorobenzene	10.0	10.9	10.6	109	106	3	70-130	20	☐

QA/QC Report
for
Semi-Volatile Organic Compounds (EPA 8270C)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2019 12:00
Date of Analysis: 10/17/2019 12:08
Dup Date of Analysis: 10/17/2019 12:40
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: M2, R2,
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Phenol	0.00	400	84.0	107	21	27	24	15-40	20	☑
2-Chlorophenol	0.00	400	237	285	59	71	18	37-111	20	☐
1,4-Dichlorobenzene	0.00	200	47.7	100	24	50	71	27-91	20	☑
N-Nitrosodi-n-propylamine	0.00	200	118	154	59	77	26	43-126	20	☑
1,2,4-Trichlorobenzene	0.00	200	61.7	109	31	55	55	32-92	20	☑
4-Chloro-3-methylphenol	0.00	400	340	375	85	94	10	24-141	20	☐
Acenaphthene	0.00	200	156	186	78	93	18	21-160	20	☐
4-Nitrophenol	0.00	400	86.9	114	22	28	27	1-68	20	☑
2,4-Dinitrotoluene	0.00	200	173	188	87	94	8	25-170	20	☐
Pentachlorophenol	0.00	400	460	467	115	117	2	11-177	20	☐
Pyrene	0.00	200	187	187	94	94	0	21-175	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
2-Fluorophenol	10	11	☐	11	11	☐	D-58
Phenol-d6	6.3	7.6	☐	7.0	7.1	☐	D-36
Nitrobenzene-d5	23	36	☐	35	35	☐	22-97
2-Fluorobiphenyl	30	42	☐	39	40	☐	22-98
2,4,6-Tribromophenol	35	35	☐	33	33	☐	9-113
Terphenyl-d14	49	53	☐	47	47	☐	8-139

Laboratory Control Sample

Date of Extraction: 10/16/2019 12:00
Date of Analysis: 10/17/2019 11:04
Dup Date of Analysis: 10/17/2019 11:36
Laboratory Sample #: AV1016191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Phenol	400	96.7	97.7	24	24	1	15-40	20	☐
2-Chlorophenol	400	284	287	71	72	1	37-111	20	☐
1,4-Dichlorobenzene	200	111	113	56	56	2	27-91	20	☐
N-Nitrosodi-n-propylamine	200	134	136	67	68	1	43-126	20	☐
1,2,4-Trichlorobenzene	200	120	121	60	61	1	32-92	20	☐
4-Chloro-3-methylphenol	400	341	341	85	85	0	24-141	20	☐
Acenaphthene	200	168	167	84	83	1	21-160	20	☐
4-Nitrophenol	400	98.5	101	25	25	3	1-68	20	☐
2,4-Dinitrotoluene	200	175	176	88	88	1	25-170	20	☐
Pentachlorophenol	400	411	413	103	103	0	11-177	20	☐
Pyrene	200	164	164	82	82	0	21-175	20	☐

QA/QC Report
for
Semi-Volatile Organic Compounds (EPA 8270C)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 11:00
Date of Analysis: 10/14/2019 15:21
Dup Date of Analysis: 10/14/2019 19:04
Laboratory Sample #: 24627-002
MS/MSD Qualifiers: None
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Phenol	0.00	400	110	102	28	25	8	15-40	20	☐
2-Chlorophenol	0.00	400	330	309	82	77	7	37-111	20	☐
1,4-Dichlorobenzene	0.00	200	159	142	80	71	11	27-91	20	☐
N-Nitrosodi-n-propylamine	0.00	200	216	204	108	102	6	43-126	20	☐
1,2,4-Trichlorobenzene	0.00	200	175	155	88	77	12	32-92	20	☐
4-Chloro-3-methylphenol	0.00	400	416	387	104	97	7	24-141	20	☐
Acenaphthene	0.00	200	277	253	138	126	9	21-160	20	☐
4-Nitrophenol	0.00	400	132	122	33	31	8	1-68	20	☐
2,4-Dinitrotoluene	0.00	200	308	280	154	140	10	25-170	20	☐
Pentachlorophenol	0.00	400	478	461	120	115	4	11-177	20	☐
Pyrene	0.00	200	270	252	135	126	7	21-175	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
2-Fluorophenol	13	12	☐	13	13	☐	D-58
Phenol-d6	8.5	7.9	☐	8.3	8.3	☐	D-36
Nitrobenzene-d5	35	33	☐	30	30	☐	22-97
2-Fluorobiphenyl	41	38	☐	35	36	☐	22-98
2,4,6-Tribromophenol	42	39	☐	40	40	☐	9-113
Terphenyl-d14	50	46	☐	48	48	☐	8-139

Laboratory Control Sample

Date of Extraction: 10/10/2019 11:00
Date of Analysis: 10/14/2019 14:17
Dup Date of Analysis: 10/14/2019 14:50
Laboratory Sample #: AV1010191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Phenol	400	100	100	25	25	0	15-40	20	☐
2-Chlorophenol	400	272	273	68	68	0	37-111	20	☐
1,4-Dichlorobenzene	200	110	110	55	55	0	27-91	20	☐
N-Nitrosodi-n-propylamine	200	176	175	88	88	1	43-126	20	☐
1,2,4-Trichlorobenzene	200	123	123	62	62	0	32-92	20	☐
4-Chloro-3-methylphenol	400	358	359	89	90	0	24-141	20	☐
Acenaphthene	200	230	234	115	117	2	21-160	20	☐
4-Nitrophenol	400	141	142	35	35	1	1-68	20	☐
2,4-Dinitrotoluene	200	280	281	140	140	0	25-170	20	☐
Pentachlorophenol	400	426	434	107	109	2	11-177	20	☐
Pyrene	200	250	248	125	124	1	21-175	20	☐

QA/QC Report
for
Semi-Volatile Organic Compounds (EPA 8270C)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2019 7:30
Date of Analysis: 10/16/2019 11:22
Dup Date of Analysis: 10/16/2019 11:54
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: R2,
Reference #: WST 24627

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Phenol	0.00	400	113	83.0	28	21	31	15-40	20	☑
2-Chlorophenol	0.00	400	332	242	83	61	31	37-111	20	☑
1,4-Dichlorobenzene	0.00	200	117	89.7	58	45	26	27-91	20	☑
N-Nitrosodi-n-propylamine	0.00	200	160	138	80	69	15	43-126	20	☐
1,2,4-Trichlorobenzene	0.00	200	130	98.9	65	49	27	32-92	20	☑
4-Chloro-3-methylphenol	0.00	400	393	340	98	85	14	24-141	20	☐
Acenaphthene	0.00	200	195	173	98	87	12	21-160	20	☐
4-Nitrophenol	0.00	400	116	111	29	28	4	1-68	20	☐
2,4-Dinitrotoluene	0.00	200	206	192	103	96	7	25-170	20	☐
Pentachlorophenol	0.00	400	456	424	114	106	7	11-177	20	☐
Pyrene	0.00	200	191	179	95	89	6	21-175	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
2-Fluorophenol	14	10	☐	14	14	☐	D-58
Phenol-d6	8.9	6.9	☐	8.6	8.8	☐	D-36
Nitrobenzene-d5	40	34	☐	40	41	☐	22-97
2-Fluorobiphenyl	44	41	☐	46	46	☐	22-98
2,4,6-Tribromophenol	40	40	☐	41	41	☐	9-113
Terphenyl-d14	51	48	☐	51	51	☐	8-139

Laboratory Control Sample

Date of Extraction: 10/16/2019 7:30
Date of Analysis: 10/16/2019 8:44
Dup Date of Analysis: 10/16/2019 9:15
Laboratory Sample #: AV1016193
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Phenol	400	105	106	26	26	1	15-40	20	☐
2-Chlorophenol	400	310	313	77	78	1	37-111	20	☐
1,4-Dichlorobenzene	200	132	133	66	67	1	27-91	20	☐
N-Nitrosodi-n-propylamine	200	157	158	79	79	1	43-126	20	☐
1,2,4-Trichlorobenzene	200	145	145	73	73	0	32-92	20	☐
4-Chloro-3-methylphenol	400	366	368	92	92	1	24-141	20	☐
Acenaphthene	200	196	194	98	97	1	21-160	20	☐
4-Nitrophenol	400	98.3	98.8	25	25	1	1-68	20	☐
2,4-Dinitrotoluene	200	200	200	100	100	0	25-170	20	☐
Pentachlorophenol	400	425	430	106	108	1	11-177	20	☐
Pyrene	200	184	184	92	92	0	21-175	20	☐

QA/QC Report
for
Metals

Reference #: WST 24627 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24627-001 **Date of Extraction:** 10/07/19 15:22

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	10/11/19 10:52	10/11/19 10:54	0.310	1.00	1.31	1.37	100	106	4	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: SR1007191 **Date of Extraction:** 10/07/19 15:22

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	10/11/19 10:47	10/11/19 10:49	--	1.00	1.07	1.15	107	115	7	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24627-001 **Date of Extraction:** 10/08/19 15:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Aluminum	10/11/19 10:31	10/11/19 10:39	110000	250	96800	11800	0	0	157	75-125	20	M3,
Antimony	10/11/19 10:31	10/11/19 10:39	0.00	20.0	59.9	24.2	300	121	85	75-125	20	M2, R2,
Arsenic	10/11/19 10:31	10/11/19 10:39	0.00	20.0	23.2	25.0	116	125	7	75-125	20	--
Barium	10/11/19 10:31	10/11/19 10:39	530	20.0	651	566	605	180	14	75-125	20	M3,
Beryllium	10/11/19 10:31	10/11/19 10:39	0.00	20.0	20.6	20.2	103	101	2	75-125	20	--
Cadmium	10/11/19 10:31	10/11/19 10:39	6.70	20.0	24.4	25.6	88	95	5	75-125	20	--
Calcium	10/11/19 10:31	10/11/19 10:39	32000	250	62800	37600	12320	2240	50	75-125	20	M3,
Chromium	10/11/19 10:31	10/11/19 10:39	110	20.0	112	137	10	135	20	75-125	20	M3,
Cobalt	10/11/19 10:31	10/11/19 10:39	19.0	20.0	38.0	37.2	95	91	2	75-125	20	--
Copper	10/10/19 14:55	10/10/19 15:04	14000	20.0	55300	5580	206500	0	163	75-125	20	M3,
Iron	10/11/19 10:31	10/11/19 10:39	59000	250	57900	62400	0	1360	7	75-125	20	M3,
Lead	10/11/19 10:31	10/11/19 10:39	1100	20.0	981	1200	0	500	20	75-125	20	M3,
Magnesium	10/11/19 10:31	10/11/19 10:39	2300	250	1450	1710	0	0	16	75-125	20	M3,
Manganese	10/11/19 10:31	10/11/19 10:39	540	20.0	483	590	0	250	20	75-125	20	M3,
Nickel	10/11/19 10:31	10/11/19 10:39	200	20.0	158	212	0	60	29	75-125	20	M3,
Potassium	10/11/19 10:31	10/11/19 10:39	0.00	250	389	384	156	154	1	75-125	20	M1,
Selenium	10/11/19 10:31	10/11/19 10:39	0.00	20.0	0.00	5.93	0	30	200	75-125	20	M2, R2,
Silver	10/11/19 10:31	10/11/19 10:39	0.00	20.0	23.4	21.2	117	106	10	75-125	20	--
Sodium	10/11/19 10:31	10/11/19 10:39	0.00	250	376	329	150	132	13	75-125	20	M1,
Thallium	10/11/19 10:31	10/11/19 10:39	0.00	20.0	30.2	28.5	151	143	6	75-125	20	M1,
Vanadium	10/11/19 10:31	10/11/19 10:39	14.0	20.0	31.2	34.1	86	100	9	75-125	20	--
Zinc	10/11/19 10:31	10/11/19 10:39	9600	20.0	8400	7960	0	0	5	75-125	20	M3,

QA/QC Report
for
Metals

Reference #: WST 24627 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1008191 **Date of Extraction:** 10/08/19 15:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Aluminum	10/10/19 14:01	10/10/19 14:10	--	250	227	224	91	90	1	80-120	20	--
Antimony	10/10/19 14:01	10/10/19 14:10	--	20.0	21.2	20.4	106	102	4	80-120	20	--
Arsenic	10/10/19 14:01	10/10/19 14:10	--	20.0	20.7	20.0	104	100	3	80-120	20	--
Barium	10/10/19 14:01	10/10/19 14:10	--	20.0	20.3	19.9	101	99	2	80-120	20	--
Beryllium	10/10/19 14:01	10/10/19 14:10	--	20.0	20.5	20.3	102	101	1	80-120	20	--
Cadmium	10/10/19 14:01	10/10/19 14:10	--	20.0	20.7	19.9	104	99	4	80-120	20	--
Calcium	10/10/19 14:01	10/10/19 14:10	--	250	244	246	98	98	1	80-120	20	--
Chromium	10/10/19 14:01	10/10/19 14:10	--	20.0	20.6	20.2	103	101	2	80-120	20	--
Cobalt	10/10/19 14:01	10/10/19 14:10	--	20.0	22.2	21.4	111	107	4	80-120	20	--
Copper	10/10/19 14:01	10/10/19 14:10	--	20.0	21.3	20.8	106	104	2	80-120	20	--
Iron	10/10/19 14:01	10/10/19 14:10	--	250	262	257	105	103	2	80-120	20	--
Lead	10/10/19 14:01	10/10/19 14:10	--	20.0	21.5	20.9	108	104	3	80-120	20	--
Magnesium	10/10/19 14:01	10/10/19 14:10	--	250	291	287	116	115	1	80-120	20	--
Manganese	10/10/19 14:01	10/10/19 14:10	--	20.0	20.0	19.8	100	99	1	80-120	20	--
Nickel	10/10/19 14:01	10/10/19 14:10	--	20.0	20.6	19.8	103	99	4	80-120	20	--
Potassium	10/10/19 14:01	10/10/19 14:10	--	250	245	245	98	98	0	80-120	20	--
Selenium	10/10/19 14:01	10/10/19 14:10	--	20.0	19.3	19.4	96	97	1	80-120	20	--
Silver	10/10/19 14:01	10/10/19 14:10	--	20.0	19.5	19.2	98	96	2	80-120	20	--
Sodium	10/10/19 14:01	10/10/19 14:10	--	250	248	249	99	100	0	80-120	20	--
Thallium	10/10/19 14:01	10/10/19 14:10	--	20.0	21.5	21.1	108	106	2	80-120	20	--
Vanadium	10/10/19 14:01	10/10/19 14:10	--	20.0	20.0	19.7	100	99	2	80-120	20	--
Zinc	10/10/19 14:01	10/10/19 14:10	--	20.0	22.7	21.4	114	107	6	80-120	20	--

QA/QC Report
for
Metals

Reference #: WST 24627 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24627-021 **Date of Extraction:** 10/08/19 15:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Aluminum	10/11/19 14:00	10/11/19 14:08	14000	250	9710	11000	0	0	12	75-125	20	M3,
Antimony	10/11/19 14:00	10/11/19 14:08	0.00	20.0	23.7	24.4	119	122	3	75-125	20	--
Arsenic	10/11/19 14:00	10/11/19 14:08	0.00	20.0	25.5	32.2	127	161	23	75-125	20	M2, R2,
Barium	10/11/19 14:00	10/11/19 14:08	80.0	20.0	97.2	116	86	180	18	75-125	20	M3,
Beryllium	10/11/19 14:00	10/11/19 14:08	0.00	20.0	20.0	20.2	100	101	1	75-125	20	--
Cadmium	10/11/19 14:00	10/11/19 14:08	0.00	20.0	22.4	24.0	112	120	7	75-125	20	--
Calcium	10/11/19 14:00	10/11/19 14:08	110000	250	134000	109000	9600	0	21	75-125	20	M3,
Chromium	10/11/19 14:00	10/11/19 14:08	110	20.0	108	113	0	15	5	75-125	20	M3,
Cobalt	10/11/19 14:00	10/11/19 14:08	6.00	20.0	26.2	30.0	101	120	14	75-125	20	--
Copper	10/11/19 14:00	10/11/19 14:08	190	20.0	188	202	0	60	7	75-125	20	M3,
Iron	10/11/19 14:00	10/11/19 14:08	45000	250	63000	105000	7200	24000	50	75-125	20	M3,
Lead	10/11/19 14:00	10/11/19 14:08	290	20.0	296	347	30	285	16	75-125	20	M3,
Magnesium	10/11/19 14:00	10/11/19 14:08	1500	250	1900	1770	160	108	7	75-125	20	M3,
Manganese	10/11/19 14:00	10/11/19 14:08	540	20.0	578	736	190	980	24	75-125	20	M3,
Nickel	10/11/19 14:00	10/11/19 14:08	41.0	20.0	75.7	69.2	173	141	9	75-125	20	M3,
Potassium	10/11/19 14:00	10/11/19 14:08	0.00	250	275	274	110	110	0	75-125	20	--
Selenium	10/11/19 14:00	10/11/19 14:08	0.00	20.0	0.00	8.30	0	42	200	75-125	20	M2, R2,
Silver	10/11/19 14:00	10/11/19 14:08	0.00	20.0	19.0	18.9	95	94	1	75-125	20	--
Sodium	10/11/19 14:00	10/11/19 14:08	0.00	250	283	296	113	118	4	75-125	20	--
Thallium	10/11/19 14:00	10/11/19 14:08	0.00	20.0	36.3	34.0	181	170	7	75-125	20	M1,
Vanadium	10/11/19 14:00	10/11/19 14:08	17.0	20.0	30.8	33.1	69	80	7	75-125	20	M3,
Zinc	10/11/19 14:00	10/11/19 14:08	1900	20.0	1870	2050	0	750	9	75-125	20	M3,

QA/QC Report
for
Metals

Reference #: WST 24627 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1008192 **Date of Extraction:** 10/08/19 15:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Aluminum	10/10/19 14:28	10/10/19 14:37	--	250	222	221	89	88	0	80-120	20	--
Antimony	10/10/19 14:28	10/10/19 14:37	--	20.0	20.8	21.0	104	105	1	80-120	20	--
Arsenic	10/10/19 14:28	10/10/19 14:37	--	20.0	20.7	20.0	104	100	3	80-120	20	--
Barium	10/10/19 14:28	10/10/19 14:37	--	20.0	19.9	19.5	99	98	2	80-120	20	--
Beryllium	10/10/19 14:28	10/10/19 14:37	--	20.0	20.1	20.0	101	100	0	80-120	20	--
Cadmium	10/10/19 14:28	10/10/19 14:37	--	20.0	20.2	20.0	101	100	1	80-120	20	--
Calcium	10/10/19 14:28	10/10/19 14:37	--	250	240	249	96	100	4	80-120	20	--
Chromium	10/10/19 14:28	10/10/19 14:37	--	20.0	20.0	19.8	100	99	1	80-120	20	--
Cobalt	10/10/19 14:28	10/10/19 14:37	--	20.0	21.7	21.3	109	106	2	80-120	20	--
Copper	10/10/19 14:28	10/10/19 14:37	--	20.0	20.6	20.4	103	102	1	80-120	20	--
Iron	10/10/19 14:28	10/10/19 14:37	--	250	256	254	102	102	1	80-120	20	--
Lead	10/10/19 14:28	10/10/19 14:37	--	20.0	20.9	20.8	104	104	0	80-120	20	--
Magnesium	10/10/19 14:28	10/10/19 14:37	--	250	286	283	114	113	1	80-120	20	--
Manganese	10/10/19 14:28	10/10/19 14:37	--	20.0	19.4	19.6	97	98	1	80-120	20	--
Nickel	10/10/19 14:28	10/10/19 14:37	--	20.0	22.3	21.9	111	109	2	80-120	20	--
Potassium	10/10/19 14:28	10/10/19 14:37	--	250	238	240	95	96	1	80-120	20	--
Selenium	10/10/19 14:28	10/10/19 14:37	--	20.0	20.7	19.6	104	98	5	80-120	20	--
Silver	10/10/19 14:28	10/10/19 14:37	--	20.0	19.1	18.9	96	94	1	80-120	20	--
Sodium	10/10/19 14:28	10/10/19 14:37	--	250	242	242	97	97	0	80-120	20	--
Thallium	10/10/19 14:28	10/10/19 14:37	--	20.0	21.0	21.0	105	105	0	80-120	20	--
Vanadium	10/10/19 14:28	10/10/19 14:37	--	20.0	19.6	19.4	98	97	1	80-120	20	--
Zinc	10/10/19 14:28	10/10/19 14:37	--	20.0	21.3	21.2	106	106	0	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24627-016 **Date of Extraction:** 10/10/19 11:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	10/11/19 10:04	10/11/19 10:05	0.00	1.00	1.14	1.12	114	112	2	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1010191 **Date of Extraction:** 10/10/19 11:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	10/11/19 09:58	10/11/19 10:00	--	1.00	1.08	1.11	108	111	3	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24627-001 **Date of Extraction:** 10/15/19 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 16:53	10/17/19 16:58	0.00	0.400	0.392	0.395	98	99	1	75-125	20	--
TCLP Barium	10/17/19 16:53	10/17/19 16:58	3.40	0.400	3.58	3.70	45	75	3	75-125	20	M3,
TCLP Cadmium	10/17/19 16:53	10/17/19 16:58	0.0340	0.400	0.408	0.413	93	95	1	75-125	20	--
TCLP Chromium	10/17/19 16:53	10/17/19 16:58	0.00	0.400	0.361	0.369	90	92	2	75-125	20	--
TCLP Lead	10/17/19 16:53	10/17/19 16:58	0.78	0.400	1.11	1.13	83	88	2	75-125	20	--
TCLP Selenium	10/17/19 16:53	10/17/19 16:58	0.00	0.400	0.410	0.372	102	93	10	75-125	20	--
TCLP Silver	10/17/19 16:53	10/17/19 16:58	0.00	0.400	0.371	0.377	93	94	2	75-125	20	--

QA/QC Report
for
Metals

Reference #: WST 24627 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1015191 **Date of Extraction:** 10/15/19 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 16:45	10/17/19 16:47	--	0.400	0.376	0.388	94	97	3	80-120	20	--
TCLP Barium	10/17/19 16:45	10/17/19 16:47	--	0.400	0.380	0.390	95	97	3	80-120	20	--
TCLP Cadmium	10/17/19 16:45	10/17/19 16:47	--	0.400	0.375	0.385	94	96	3	80-120	20	--
TCLP Chromium	10/17/19 16:45	10/17/19 16:47	--	0.400	0.375	0.386	94	97	3	80-120	20	--
TCLP Lead	10/17/19 16:45	10/17/19 16:47	--	0.400	0.393	0.400	98	100	2	80-120	20	--
TCLP Selenium	10/17/19 16:45	10/17/19 16:47	--	0.400	0.357	0.385	89	96	8	80-120	20	--
TCLP Silver	10/17/19 16:45	10/17/19 16:47	--	0.400	0.370	0.381	92	95	3	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24627-001 **Date of Extraction:** 10/15/19 10:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Mercury	10/17/19 17:46	10/17/19 17:48	0.00	0.0500	0.0517	0.0504	103	101	3	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: SR1015193 **Date of Extraction:** 10/15/19 10:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Mercury	10/17/19 17:39	10/17/19 17:43	--	0.0500	0.0531	0.0525	106	105	1	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-002 **Date of Extraction:** 10/16/19 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.393	0.389	98	97	1	75-125	20	--
TCLP Barium	10/17/19 18:59	10/17/19 19:02	0.790	0.400	1.16	1.21	92	105	4	75-125	20	--
TCLP Cadmium	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.390	0.394	97	98	1	75-125	20	--
TCLP Chromium	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.377	0.385	94	96	2	75-125	20	--
TCLP Lead	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.371	0.374	93	94	1	75-125	20	--
TCLP Selenium	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.364	0.381	91	95	5	75-125	20	--
TCLP Silver	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.381	0.390	95	97	2	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1016191 **Date of Extraction:** 10/16/19 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 18:52	10/17/19 18:55	--	0.400	0.383	0.399	96	100	4	80-120	20	--
TCLP Barium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.355	0.379	89	95	7	80-120	20	--
TCLP Cadmium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.382	0.390	95	97	2	80-120	20	--
TCLP Chromium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.397	0.400	99	100	1	80-120	20	--
TCLP Lead	10/17/19 18:52	10/17/19 18:55	--	0.400	0.391	0.391	98	98	0	80-120	20	--
TCLP Selenium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.381	0.381	95	95	0	80-120	20	--
TCLP Silver	10/17/19 18:52	10/17/19 18:55	--	0.400	0.358	0.386	90	97	8	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-002 **Date of Extraction:** 10/16/19 17:20

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Mercury	10/18/19 13:48	10/18/19 13:49	0.00	0.0500	0.0492	0.0517	98	103	5	80-120	20	--

QA/QC Report
for
Metals

Reference #: WST 24627 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1016192 **Date of Extraction:** 10/16/19 17:20

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Mercury	10/18/19 13:43	10/18/19 13:45	--	0.0500	0.0538	0.0515	108	103	4	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

D2 = Sample required dilution due to high concentration of target analyte.

D4 = Minimum Reporting Limit (MRL) adjusted to reflect sample amount received and analyzed.

M1 = Matrix spike recovery was high, the associated blank spike recovery was acceptable.

24627-001	6010B	Potassium	MS/MSD
24627-001	6010B	Sodium	MS/MSD
24627-001	6010B	Thallium	MS/MSD
24627-021	6010B	Thallium	MS/MSD
24628-002	8082	PCB-1016	MSD
24628-002	8082	PCB-1260	MS/MSD
24628-003	8082	PCB-1016	MSD
24628-003	8082	PCB-1260	MS

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

24627-001	6010B	Antimony	MS/MSD
24627-001	6010B	Selenium	MS/MSD
24627-004	8081A	Gamma-BHC	MS
24627-021	6010B	Arsenic	MS/MSD
24627-021	6010B	Selenium	MS/MSD
24628-003	TCLP 8270C	1,2,4-Trichlorobenzene	MS
24628-003	TCLP 8270C	1,4-Dichlorobenzene	MS

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

24627-001	6010B	Aluminum	MS/MSD
24627-001	6010B	Barium	MS/MSD
24627-001	6010B	Calcium	MS/MSD
24627-001	6010B	Chromium	MS/MSD
24627-001	6010B	Copper	MS/MSD
24627-001	6010B	Iron	MS/MSD
24627-001	6010B	Lead	MS/MSD
24627-001	6010B	Magnesium	MS/MSD
24627-001	6010B	Manganese	MS/MSD
24627-001	6010B	Nickel	MS/MSD
24627-001	6010B	TCLP Barium	MS
24627-001	6010B	Zinc	MS/MSD
24627-021	6010B	Aluminum	MS/MSD
24627-021	6010B	Barium	MS/MSD
24627-021	6010B	Calcium	MS/MSD
24627-021	6010B	Chromium	MS/MSD
24627-021	6010B	Copper	MS/MSD
24627-021	6010B	Iron	MS/MSD
24627-021	6010B	Lead	MS/MSD
24627-021	6010B	Magnesium	MS/MSD
24627-021	6010B	Manganese	MS/MSD
24627-021	6010B	Nickel	MS/MSD
24627-021	6010B	Vanadium	MS/MSD
24627-021	6010B	Zinc	MS/MSD

N1 = See case narrative.

Data Qualifier Definitions

Qualifier

24627-011	8081A			Technical Chlordane ran at 6 fold dilution-10/21/19 @10:16
24627-012	8081A			Technical Chlordane run at 20 fold dilution-10/22/19 @10:26

R2 = RPD/RSD exceeded the laboratory acceptance limit.

24627-001	6010B	Antimony	MS/MSD
24627-001	6010B	Selenium	MS/MSD
24627-004	8081A	Gamma-BHC	MS/MSD
24627-021	6010B	Arsenic	MS/MSD
24627-021	6010B	Selenium	MS/MSD
24628-002	8081A	Heptachlor	MS/MSD
24628-002	8082	PCB-1016	MS/MSD
24628-002	TCLP 8270C	1,2,4-Trichlorobenzene	MS/MSD
24628-002	TCLP 8270C	1,4-Dichlorobenzene	MS/MSD
24628-002	TCLP 8270C	2-Chlorophenol	MS/MSD
24628-002	TCLP 8270C	Phenol	MS/MSD
24628-003	8082	PCB-1260	MS/MSD
24628-003	TCLP 8270C	1,2,4-Trichlorobenzene	MS/MSD
24628-003	TCLP 8270C	1,4-Dichlorobenzene	MS/MSD
24628-003	TCLP 8270C	4-Nitrophenol	MS/MSD
24628-003	TCLP 8270C	N-Nitrosodi-n-propylamine	MS/MSD
24628-003	TCLP 8270C	Phenol	MS/MSD

S10 = Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

24627-003	8015B	Matrix interference
24627-009	8081A	Coeluting matrix interference affected surrogate.
24627-026	8081A	Coeluting compunds affected quantitating surrogate.

S5 = Surrogate recovery was below laboratory acceptance limits.

24627-010	TCLP 8270C	Nitrobenzene-d5, 2-Fluorobiphenyl

S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The associated blank spike recovery was acceptable.

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
3002 Dow Avenue, Suite 532
Tustin, CA 92780
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4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 24627 Page: 1 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Weston Solutions	Project Name:	Dededo Transfer Station, Guam
Send Report To:	Rick Mehl	Project Number:	20905.016.024.0034
Email:	rick.mehl@westonsolutions.com	PO #:	
Address:	2300 Clayton Rd, Suite 900 Concord, CA 94520	Address (City / State):	Tustin, CA
		EDD Required:	YES: see files provided by Weston for EDD
Phone:	847-254-6981 Fax:	Sampled By:	R. Mehl

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: ____ 72 Hour: ____ 48 Hour: ____ 24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TAL Metals (6010B/7471A)	PCBs (8082)	TPH-g (8215B)	TPH-d (8260)	Asbestos (600/R-93/116)	TCLP Metals (1131/6010B/7470A)	TCLP SVOCs (1131/8270C)	TCLP VOCs/GRO (6260C)	Organochlorine Pesticides (8081B)		REMARKS / INSTRUCTIONS
1	DWS-2-01-15-A	5	10/02/19	0903	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
2	DWS-2-01-8-A	5	10/02/19	0906	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
3	DWS-2-02-15-A	5	10/02/19	0920	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
4	DWS-1-04-1-A	5	10/02/19	1359	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
5	DWS-1-03-1-A	5	10/02/19	1824	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
6	DWS-2-04-0.5-A	5	10/02/19	1049	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
7	DWS-2-02-8-A	5	10/02/19	0921	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
8	DWS-2-03-3-A	5	10/02/19	0954	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
9	DWS-2-01-3-A	5	10/02/19	0907	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
10	DWS-2-04-3-A	5	10/02/19	1048	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
11	DWS-9-01-1-A	5	10/02/19	1334	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
12	DWS-1-02-1-A	5	10/02/19	1335	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
13	DWS-1-01-1-A	5	10/02/19	1334	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
14	DWS-2-05-0.5-A	5	10/02/19	1127	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		

No. of Samples: 70 Method of Shipment: FedEx Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Amanda Wagner	Date: 10/2/19 Time: 1028	Received By:	Date: Time:
Company: Weston Solutions		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received for OCA By:	Date: 10/7/19 Time: 0939
Company:		Company: OCACA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other 2 coolers

Sample Integrity: Intact: ✓ On Ice: (Yes) / No @ 2.6°c

TR#1 3-6 Blue

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.
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Lab Job No.: 24627 Page: 2 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Weston Solutions	Project Name:	Dededo Transfer Station, Guam
Send Report To:	Rick Mehl	Project Number:	20905.016.024.0034
Email:	rick.mehl@westonsolutions.com	PO #:	
Address:	2300 Clayton Rd, Suite 900 Concord, CA 94520	Address (City / State):	Tustin, CA
		EDD Required:	YES: see files provided by Weston for EDD
Phone:	847-254-6981 Fax:	Sampled By:	R. Mehl

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TAL Metals (6010B/7471A)	PCBs (8082)	TPH-g (8215B)	TPH-d (8260)	Asbestos (600/R-93/116)	TCLP Metals (1131/6010B/7470A)	TCLP SVOCs (1131/8270C)	TCLP VOCs/GRO (6260C)	Organochlorine Pesticides (8081B)		REMARKS / INSTRUCTIONS
15	DWS-9-03-1-A	5	10/02/19	1526	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
16	DWS-4-02-4-A	5	10/02/19	1536	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
17	DWS-4-04-1-A	5	10/02/19	1546	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
18	DWS-4-03-4-A	5	10/02/19	1543	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
19	DWS-2-04-9-A	5	10/02/19	1046	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
20	DWS-2-03-6-A	5	10/02/19	0954	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
21	DWS-2-05-3-A	5	10/02/19	1128	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
22	DWS-1-06-1-A	5	10/02/19	1417	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
23	DWS-4-01-1-A	5	10/02/19	1526	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
24	DWS-2-02-3-A	5	10/02/19	0943	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
25	DWS-1-05-1-A	5	10/02/19	1401	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
26	DWS-2-03-12-A	5	10/02/19	0955	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
27	DWS-9-01-15-A	5	10/02/19	0903	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		

REQUESTED TURN-AROUND-TIME
Standard:
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 65 Method of Shipment: FedEx Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Amanda Wagner	Date: 10/2/19 Time: 1048	Company: Weston Solutions	Received By:	Date: Time:	Company:
Relinquished By:	Date: Time:	Company:	Received By:	Date: Time:	Company:
Relinquished By:	Date: Time:	Company:	Received For OCA By:	Date: 09395 Time: 10/7/19	Company: OCACA

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: Intact: ✓ On Ice: (Yes) / No @ 3.6°c

2 cooler
IR#1 2.6
Blue

Sample Receipt Report

Laboratory Reference WST 24627 Logged in by MM

Received:	10/07/19 09:39	Company Name:	Weston Solutions, Inc.
Method of Shipment:	FEDEX	Project Manager:	Mr. Rick Mehl
Shipping Container:	Cooler	Project Name:	Dededo Transfer Station, Guam
# Shipping Containers:	2	Project #:	20905.016.024.0034

Sample Quantity
27 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☐	Yes, Blue ☑	No ☐
Observed Temp. (°C): _____	Thermometer ID:	Adjusted Temp.: _____	
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☑	N/A ☐	No ☐
Samples Intact	Yes ☐		No ☑
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☑	N/A ☐	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☐	No ☑
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

2 coolers received on ice IR#1 2.6+(- 0.2) = 2.4°C, 3.6+(-0.2) = 3.4°C

Sample DWS-4-01-1-A (24627-023): 1 VOA broken and 2 VOAs intact.

Client Notified _____ By _____ On _____

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331921734
Customer ID: 32ORAN77
Customer PO: 24627
Project ID:

Attention: Mark Noorani
Orange Coast Analytical, Inc.
3002 Dow Avenue
Suite 532
Tustin, CA 92780
Project: 20905.016.024.0034

Phone: (714) 832-0064
Fax: (714) 832-0067
Received Date: 10/11/2019 4:10 PM
Analysis Date: 10/18/2019
Collected Date: 10/02/2019

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
DWS-2-01-15-A *331921734-0001*		Brown/White/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-01-8-A *331921734-0002*		Brown/Various Fibrous Heterogeneous	5% Cellulose 2% Synthetic 3% Glass	90% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-02-15-A *331921734-0003*		Brown/Various Fibrous Heterogeneous	5% Cellulose 2% Synthetic 3% Glass	90% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-1-04-1-A *331921734-0004*		Brown/Various Fibrous Heterogeneous	3% Cellulose 2% Synthetic 2% Glass	93% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-1-03-1-A *331921734-0005*		Brown/Various Fibrous Heterogeneous	5% Cellulose <1% Synthetic 3% Glass	92% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-04-0.5-A *331921734-0006*		Brown/White/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-02-8-A *331921734-0007*		Brown/Various Fibrous Heterogeneous	3% Cellulose 2% Synthetic	95% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-03-3-A *331921734-0008*		Brown/Various Fibrous Heterogeneous	3% Cellulose 4% Synthetic	93% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-01-3-A *331921734-0009*		Brown/Various Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-04-3-A *331921734-0010*		Brown/Various Fibrous Heterogeneous	2% Cellulose <1% Glass	98% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					

Initial report from: 10/18/2019 18:38:28

LA Testing
5431 Industrial Drive Huntington Beach, CA 92649
Tel/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331921734
Customer ID: 32ORAN77
Customer PO: 24627
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
DWS-9-01-1-A *331921734-0011*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-1-02-1-A *331921734-0012*		Brown/Various Fibrous Heterogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-1-01-1-A *331921734-0013*		Brown/Various Fibrous Heterogeneous	2% Cellulose <1% Synthetic	98% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-05-0.5-A *331921734-0014*		Brown/Various Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-9-03-1-A *331921734-0015*		Brown/White/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-4-02-4-A *331921734-0016*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-4-04-1-A *331921734-0017*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-4-03-4-A *331921734-0018*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-04-9-A *331921734-0019*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-03-6-A *331921734-0020*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-05-3-A *331921734-0021*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-1-06-1-A *331921734-0022*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					

Initial report from: 10/18/2019 18:38:28

LA Testing
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Tel/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331921734
Customer ID: 32ORAN77
Customer PO: 24627
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
DWS-4-01-1-A *331921734-0023*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-02-3-A *331921734-0024*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-1-05-1-A *331921734-0025*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-2-03-12-A *331921734-0026*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					
DWS-9-01-15-A *331921734-0027*		Brown/Various Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
This method is designed for relatively homogenous bulk building materials. Use of this method for other sample types can produce results that may not provide the analytical reliability for which the method was intended.					

Analyst(s)
Brian Magumcia (27)

Michael DeCavallas, Laboratory Manager
or Other Approved Signatory

Initial report from: 10/18/2019 18:38:28

OrderID: 331921734

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#33192 1734

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA
92649
PHONE: (714)828-4999
FAX: (714)761-2713

Company : Orange Coast Analytical	LA Testing-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 3002 Dow Ave, Ste 532	*Third Party Billing requires written authorization from third party*
City: Tustin / State/Province: CA	Zip/Postal Code: 92780 / Country: USA
Report To (Name): Mark Noorani	Fax #:
Telephone #: 7148320064	Email Address: markn@ocalab.com, ocalab@sbcglobal.net
Project Name/Number: 20905.016.024.0034	
Please Provide Results: ☐ Fax ☒ Email / Purchase Order: 24627	U.S. State Samples Taken: Yes

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hours ☐ 6 Hours ☐ 24 Hrs ☐ 48 Hrs ☐ 3 Days ☐ 4 Days ☒ 5 Days ☐ 10 Days

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: | Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	DWS-2-01-15-A		10/2/19 @ 0903
	DWS-2-01-8-A		10/2/19 @ 0906
	DWS-2-02-15-A		10/2/19 @ 0920
	DWS-1-04-1-A		10/2/19 @ 1359
	DWS-1-03-1-A		10/2/19 @ 1824
	DWS-2-04-0.5-A		10/2/19 @ 1049
	DWS-2-02-8-A		10/2/19 @ 0921
	DWS-2-03-3-A		10/2/19 @ 0954

Client Sample # (s): - Total # of Samples:

Relinquished (Client): [signature] Date: 10/9/19 Time: 11:55

Received (Lab): [signature] Date: 10/9/19 Time: 11:55

Comments/Special Instructions:
verbals per Mark N. - ok for PLM qualitative, Footnote ok
JR 10/11/19 4:10PM

OrderID: 331921734

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#33192 1734

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA 92649
PHONE: (714)828-4999
FAX: (714)761-2713

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	DWS-2-01-3-A		10/2/19 @ 0907
	DWS-2-04-3-A		10/2/19 @ 1048
	DWS-9-01-1-A		10/2/19 @ 1334
	DWS-1-02-1-A		10/2/19 @ 1335
	DWS-1-01-1-A		10/2/19 @ 1334
	DWS-2-05-0.5-A		10/2/19 @ 1127
	DWS-9-03-1-A		10/2/19 @ 1526
	DWS-4-02-4-A		10/2/19 @ 1536
	DWS-4-04-1-A		10/2/19 @ 1546
	DWS-4-03-4-A		10/2/19 @ 1543
	DWS-2-04-9-A		10/2/19 @ 1046
	DWS-2-03-6-A		10/2/19 @ 0954
	DWS-2-05-3-A		10/2/19 @ 1128
	DWS-1-06-1-A		10/2/19 @ 1417
	DWS-4-01-1-A		10/2/19 @ 1526
	DWS-2-02-3-A		10/2/19 @ 0943

*Comments/Special Instructions:

OrderID: 331921734

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#331921734

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA 92649
PHONE: (714)828-4999
FAX: (714)761-2713

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	DWS-1-05-1-A		10/2/19 @ 1401
	DWS-2-03-12-A		10/2/19 @ 0955
	DWS-9-01-15-A		10/2/19 @ 0903

*Comments/Special Instructions:

Controlled Document – Asbestos COC – R1 – 3/18/2009

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.: 2576
Expiration Date: 2020
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client:	Weston Solutions, Inc.
Laboratory Reference:	WST 24628
Project Name:	Dededo Transfer Station, Guam
Project Number:	20905.016.024.0034
Date Received:	10/10/2019
Date Reported:	10/28/2019
Chain of Custody Received:	☑
Analytical Method:	8015B, 8081A, 8082, 1311/8260B, 1311/8270C, 6010B, 7471A, 1311/6010B, 1311/7470A, Moisture,

Mark Noorani, Laboratory Director

 Rev1.0

Mr. Rick Mehl
Weston Solutions, Inc.
2300 Clayton Rd Ste 900
Concord, CA, 94520

Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 1.4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

Soil sample results reported in dry weight, reporting/detection limits are adjusted accordingly. Spike sample results are reported in wet weight.

Mr. Rick Mehl
Weston Solutions, Inc.
2300 Clayton Rd Ste 900
Concord, CA, 94520

Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-07-1-A	24628-001	10/10/2019	10/3/2019	Soil
DWS-3-05-1-A	24628-002	10/10/2019	10/3/2019	Soil
DWS-4-04-3-A	24628-003	10/10/2019	10/3/2019	Soil
DWS-3-01-4-A	24628-004	10/10/2019	10/3/2019	Soil
DWS-4-03-6-A	24628-005	10/10/2019	10/3/2019	Soil
DWS-3-08-15-A	24628-006	10/10/2019	10/3/2019	Soil
DWS-3-07-1-A	24628-007	10/10/2019	10/3/2019	Soil
DWS-3-03-1-A	24628-008	10/10/2019	10/3/2019	Soil
DWS-3-06-1-A	24628-009	10/10/2019	10/3/2019	Soil
DWS-3-04-2-A	24628-010	10/10/2019	10/3/2019	Soil
DWS-3-02-1-A	24628-011	10/10/2019	10/3/2019	Soil

Mr. Rick Mehl
Weston Solutions, Inc.
2300 Clayton Rd Ste 900
Concord, CA, 94520

Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/14/2019 13:20	10/16/2019 1:28	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	99	Octacosane	141

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/14/2019 13:20	10/16/2019 1:28	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	240	Octacosane	141

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/14/2019 13:20	10/15/2019 11:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	54	Octacosane	106

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/14/2019 13:20	10/15/2019 11:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	150	Octacosane	106

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/14/2019 12:25	10/15/2019 19:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	260	Octacosane	115

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Mr. Rick Mehl
Weston Solutions, Inc.
2300 Clayton Rd Ste 900
Concord, CA, 94520

Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/14/2019 12:25	10/15/2019 19:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	530	Octacosane	115

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/14/2019 13:20	10/16/2019 2:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	160	Octacosane	111

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/14/2019 13:20	10/16/2019 2:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	320	Octacosane	111

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/14/2019 13:20	10/16/2019 2:36	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	100	Octacosane	106

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/14/2019 13:20	10/16/2019 2:36	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	200	Octacosane	106

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Mr. Rick Mehl
Weston Solutions, Inc.
2300 Clayton Rd Ste 900
Concord, CA, 94520

Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/14/2019 13:20	10/16/2019 3:09	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	850	Octacosane	114

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/14/2019 13:20	10/16/2019 3:09	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1600	Octacosane	114

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/14/2019 13:20	10/16/2019 3:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	110	Octacosane	105

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/14/2019 13:20	10/16/2019 3:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	240	Octacosane	105

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/14/2019 13:20	10/16/2019 4:17	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	120	Octacosane	108

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/14/2019 13:20	10/16/2019 4:17	Soil

ANALYTE	mg/kg
MROs	250

Surrogate:	% RC*
Octacosane	108

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/14/2019 12:25	10/16/2019 4:51	Soil

ANALYTE	mg/kg
DROs	150

Surrogate:	% RC*
Octacosane	106

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/14/2019 12:25	10/16/2019 4:51	Soil

ANALYTE	mg/kg
MROs	270

Surrogate:	% RC*
Octacosane	106

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/14/2019 12:25	10/16/2019 5:25	Soil

ANALYTE	mg/kg
DROs	97

Surrogate:	% RC*
Octacosane	107

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/14/2019 12:25	10/16/2019 5:25	Soil

ANALYTE	mg/kg
MROs	230

Surrogate:	% RC*
Octacosane	107

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Diesel Range Organics - DROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/14/2019 12:25	10/16/2019 5:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	90	Octacosane	104

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/14/2019 12:25	10/16/2019 5:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	180	Octacosane	104

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1014191			10/14/2019 13:20	10/15/2019 9:47	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	105

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1014191			10/14/2019 13:20	10/15/2019 9:47	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	105

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1014192			10/14/2019 12:25	10/15/2019 17:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	95

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 45-170 %

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Project #: 20905.016.024.0034

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1014192			10/14/2019 12:25	10/15/2019 17:07	Soil

ANALYTE	mg/kg
MROs	<50

Surrogate:	% RC*
Octacosane	95

* Acc Recovery: 45-170 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/3/2019 11:06	10/15/2019 10:48	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.26	α-α-α-Trifluorotoluene	82

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/3/2019 11:00	10/15/2019 10:30	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.25	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/3/2019 11:16	10/17/2019 7:55	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.27	α-α-α-Trifluorotoluene	83

Dilution Factor: 1.1
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/3/2019 10:00	10/15/2019 11:06	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.35	α-α-α-Trifluorotoluene	83

Dilution Factor: 1.4
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/3/2019 11:18	10/15/2019 11:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.36	α-α-α-Trifluorotoluene	78

Dilution Factor: 1.5
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/3/2019 10:51	10/15/2019 11:42	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.25	α-α-α-Trifluorotoluene	86

Dilution Factor: 1.5
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/3/2019 11:06	10/15/2019 12:01	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.25	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/3/2019 10:25	10/15/2019 12:19	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.26	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/3/2019 11:04	10/15/2019 12:37	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.28	α-α-α-Trifluorotoluene	81

Dilution Factor: 1.1
Data Qualifiers: D4,

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/3/2019 10:27	10/15/2019 12:55	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.27	α-α-α-Trifluorotoluene	78

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/3/2019 10:20	10/15/2019 13:13	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.25	α-α-α-Trifluorotoluene	80

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1015191			10/15/2019 8:25	10/15/2019 8:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTS1017191			10/17/2019 7:15	10/17/2019 7:36	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 52-130 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/10/2019 16:20	10/22/2019 14:13	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<200
alpha-BHC	319-84-6	<510
beta-BHC	319-85-7	<510
gamma-BHC (Lindane)	58-89-9	<510
delta-BHC	319-86-8	<1000
Chlordane	57-74-9	<3100
4,4'-DDD	72-54-8	<1000
4,4'-DDE	72-55-9	<510
4,4'-DDT	50-29-3	<1000
Dieldrin	60-57-1	<200
Endosulfan I	959-98-8	<1000
Endosulfan II	33213-65-9	<510
Endosulfan sulfate	1031-07-8	<1000
Endrin	72-20-8	<1000
Endrin aldehyde	7421-93-4	<1000
Endrin ketone	53494-70-5	<510
Heptachlor	76-44-8	<200
Heptachlor epoxide	1024-57-3	<510
Methoxychlor	72-43-5	<1000
Toxaphene	8001-35-2	<4100

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 80

Data Qualifiers: D1, S8,

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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/10/2019 16:20	10/14/2019 12:53	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.5
alpha-BHC	319-84-6	<6.3
beta-BHC	319-85-7	<6.3
gamma-BHC (Lindane)	58-89-9	<6.3
delta-BHC	319-86-8	<13
Chlordane	57-74-9	160
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.3
4,4'-DDT	50-29-3	66
Dieldrin	60-57-1	<2.5
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	<6.3
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	<13
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.3
Heptachlor	76-44-8	<2.5
Heptachlor epoxide	1024-57-3	<6.3
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<50

Surrogate:	% RC*
Decachlorobiphenyl	84

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/10/2019 16:20	10/22/2019 14:27	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<190
alpha-BHC	319-84-6	<490
beta-BHC	319-85-7	<490
gamma-BHC (Lindane)	58-89-9	<490
delta-BHC	319-86-8	<970
Chlordane	57-74-9	<2900
4,4'-DDD	72-54-8	<970
4,4'-DDE	72-55-9	<490
4,4'-DDT	50-29-3	<970
Dieldrin	60-57-1	<190
Endosulfan I	959-98-8	<970
Endosulfan II	33213-65-9	<490
Endosulfan sulfate	1031-07-8	<970
Endrin	72-20-8	<970
Endrin aldehyde	7421-93-4	<970
Endrin ketone	53494-70-5	<490
Heptachlor	76-44-8	<190
Heptachlor epoxide	1024-57-3	<490
Methoxychlor	72-43-5	<970
Toxaphene	8001-35-2	<3900

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 80

Data Qualifiers: D1, S8,

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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/10/2019 16:20	10/24/2019 14:47	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	45
alpha-BHC	319-84-6	<62
beta-BHC	319-85-7	<62
gamma-BHC (Lindane)	58-89-9	<62
delta-BHC	319-86-8	<120
Chlordane	57-74-9	<370
4,4'-DDD	72-54-8	<120
4,4'-DDE	72-55-9	72
4,4'-DDT	50-29-3	<120
Dieldrin	60-57-1	<25
Endosulfan I	959-98-8	<120
Endosulfan II	33213-65-9	150
Endosulfan sulfate	1031-07-8	<120
Endrin	72-20-8	<120
Endrin aldehyde	7421-93-4	<120
Endrin ketone	53494-70-5	<62
Heptachlor	76-44-8	<25
Heptachlor epoxide	1024-57-3	90
Methoxychlor	72-43-5	<120
Toxaphene	8001-35-2	<500

Surrogate:	% RC*
Decachlorobiphenyl	63

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D1,

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/10/2019 16:20	10/24/2019 11:09	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<4.8
alpha-BHC	319-84-6	<12
beta-BHC	319-85-7	<12
gamma-BHC (Lindane)	58-89-9	<12
delta-BHC	319-86-8	<24
Chlordane	57-74-9	<72
4,4'-DDD	72-54-8	<24
4,4'-DDE	72-55-9	<12
4,4'-DDT	50-29-3	<24
Dieldrin	60-57-1	<4.8
Endosulfan I	959-98-8	<24
Endosulfan II	33213-65-9	<12
Endosulfan sulfate	1031-07-8	<24
Endrin	72-20-8	<24
Endrin aldehyde	7421-93-4	<24
Endrin ketone	53494-70-5	<12
Heptachlor	76-44-8	<4.8
Heptachlor epoxide	1024-57-3	<12
Methoxychlor	72-43-5	<24
Toxaphene	8001-35-2	<96

Surrogate:	% RC*
Decachlorobiphenyl	65

* Acceptable Recovery: 49-131 %

Dilution Factor: 2

Data Qualifiers: D1,

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/10/2019 16:20	10/24/2019 12:08	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<25
alpha-BHC	319-84-6	<62
beta-BHC	319-85-7	<62
gamma-BHC (Lindane)	58-89-9	<62
delta-BHC	319-86-8	<120
Chlordane	57-74-9	<370
4,4'-DDD	72-54-8	<120
4,4'-DDE	72-55-9	<62
4,4'-DDT	50-29-3	<120
Dieldrin	60-57-1	<25
Endosulfan I	959-98-8	<120
Endosulfan II	33213-65-9	<62
Endosulfan sulfate	1031-07-8	<120
Endrin	72-20-8	<120
Endrin aldehyde	7421-93-4	<120
Endrin ketone	53494-70-5	<62
Heptachlor	76-44-8	<25
Heptachlor epoxide	1024-57-3	<62
Methoxychlor	72-43-5	<120
Toxaphene	8001-35-2	<490

Surrogate:	% RC*
Decachlorobiphenyl	106

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D1,

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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/10/2019 16:20	10/24/2019 11:38	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<10
alpha-BHC	319-84-6	<25
beta-BHC	319-85-7	<25
gamma-BHC (Lindane)	58-89-9	<25
delta-BHC	319-86-8	<51
Chlordane	57-74-9	<150
4,4'-DDD	72-54-8	<51
4,4'-DDE	72-55-9	<25
4,4'-DDT	50-29-3	<51
Dieldrin	60-57-1	<10
Endosulfan I	959-98-8	<51
Endosulfan II	33213-65-9	<25
Endosulfan sulfate	1031-07-8	<51
Endrin	72-20-8	<51
Endrin aldehyde	7421-93-4	<51
Endrin ketone	53494-70-5	<25
Heptachlor	76-44-8	<10
Heptachlor epoxide	1024-57-3	<25
Methoxychlor	72-43-5	<51
Toxaphene	8001-35-2	<200

Surrogate:	% RC*
Decachlorobiphenyl	79

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D1,

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/10/2019 16:20	10/24/2019 11:23	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<5.2
alpha-BHC	319-84-6	<13
beta-BHC	319-85-7	<13
gamma-BHC (Lindane)	58-89-9	<13
delta-BHC	319-86-8	<26
Chlordane	57-74-9	<79
4,4'-DDD	72-54-8	<26
4,4'-DDE	72-55-9	<13
4,4'-DDT	50-29-3	<26
Dieldrin	60-57-1	<5.2
Endosulfan I	959-98-8	<26
Endosulfan II	33213-65-9	<13
Endosulfan sulfate	1031-07-8	<26
Endrin	72-20-8	<26
Endrin aldehyde	7421-93-4	<26
Endrin ketone	53494-70-5	<13
Heptachlor	76-44-8	<5.2
Heptachlor epoxide	1024-57-3	<13
Methoxychlor	72-43-5	<26
Toxaphene	8001-35-2	<100

Surrogate:	% RC*
Decachlorobiphenyl	49

* Acceptable Recovery: 49-131 %

Dilution Factor: 2

Data Qualifiers: D1,

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/10/2019 16:20	10/24/2019 11:53	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<26
alpha-BHC	319-84-6	<64
beta-BHC	319-85-7	<64
gamma-BHC (Lindane)	58-89-9	<64
delta-BHC	319-86-8	<130
Chlordane	57-74-9	<380
4,4'-DDD	72-54-8	<130
4,4'-DDE	72-55-9	<64
4,4'-DDT	50-29-3	<130
Dieldrin	60-57-1	<26
Endosulfan I	959-98-8	<130
Endosulfan II	33213-65-9	<64
Endosulfan sulfate	1031-07-8	<130
Endrin	72-20-8	<130
Endrin aldehyde	7421-93-4	<130
Endrin ketone	53494-70-5	<64
Heptachlor	76-44-8	<26
Heptachlor epoxide	1024-57-3	<64
Methoxychlor	72-43-5	<130
Toxaphene	8001-35-2	<510

Surrogate:	% RC*
Decachlorobiphenyl	40

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D1, S5,

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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/10/2019 16:20	10/24/2019 10:54	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.7
alpha-BHC	319-84-6	<6.6
beta-BHC	319-85-7	<6.6
gamma-BHC (Lindane)	58-89-9	<6.6
delta-BHC	319-86-8	<13
Chlordane	57-74-9	65
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.6
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.7
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	<6.6
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	<13
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.6
Heptachlor	76-44-8	<2.7
Heptachlor epoxide	1024-57-3	<6.6
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<53

Surrogate:	% RC*
Decachlorobiphenyl	72

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/10/2019 16:20	10/24/2019 10:39	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.5
alpha-BHC	319-84-6	<6.3
beta-BHC	319-85-7	<6.3
gamma-BHC (Lindane)	58-89-9	<6.3
delta-BHC	319-86-8	<13
Chlordane	57-74-9	<38
4,4'-DDD	72-54-8	<13
4,4'-DDE	72-55-9	<6.3
4,4'-DDT	50-29-3	<13
Dieldrin	60-57-1	<2.5
Endosulfan I	959-98-8	<13
Endosulfan II	33213-65-9	<6.3
Endosulfan sulfate	1031-07-8	<13
Endrin	72-20-8	<13
Endrin aldehyde	7421-93-4	<13
Endrin ketone	53494-70-5	<6.3
Heptachlor	76-44-8	<2.5
Heptachlor epoxide	1024-57-3	<6.3
Methoxychlor	72-43-5	<13
Toxaphene	8001-35-2	<51

Surrogate:	% RC*
Decachlorobiphenyl	58

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1010191			10/10/2019 16:20	10/14/2019 10:25	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/10/2019 16:20	10/22/2019 14:13	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<2600
PCB-1221	11104-28-2	<2600
PCB-1232	11141-16-5	<2600
PCB-1242	53469-21-9	<2600
PCB-1248	12672-29-6	<2600
PCB-1254	11097-69-1	<2600
PCB-1260	11096-82-5	<2600

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 80

Data Qualifiers: D1, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/10/2019 16:20	10/14/2019 12:53	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<32
PCB-1221	11104-28-2	<32
PCB-1232	11141-16-5	<32
PCB-1242	53469-21-9	<32
PCB-1248	12672-29-6	<32
PCB-1254	11097-69-1	<32
PCB-1260	11096-82-5	<32

Surrogate:	% RC*
Decachlorobiphenyl	81

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/10/2019 16:20	10/22/2019 14:47	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<2400
PCB-1221	11104-28-2	<2400
PCB-1232	11141-16-5	<2400
PCB-1242	53469-21-9	<2400
PCB-1248	12672-29-6	<2400
PCB-1254	11097-69-1	<2400
PCB-1260	11096-82-5	<2400

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 80

Data Qualifiers: D1, S8,

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/10/2019 16:20	10/22/2019 14:42	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<2500
PCB-1221	11104-28-2	<2500
PCB-1232	11141-16-5	<2500
PCB-1242	53469-21-9	<2500
PCB-1248	12672-29-6	6800
PCB-1254	11097-69-1	4300
PCB-1260	11096-82-5	<2500

Surrogate:	% RC*
Decachlorobiphenyl	Diluted

* Acceptable Recovery: 49-131 %

Dilution Factor: 80

Data Qualifiers: D2, S8,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/10/2019 16:20	10/24/2019 11:09	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<60
PCB-1221	11104-28-2	<60
PCB-1232	11141-16-5	<60
PCB-1242	53469-21-9	<60
PCB-1248	12672-29-6	<60
PCB-1254	11097-69-1	<60
PCB-1260	11096-82-5	<60

Surrogate:	% RC*
Decachlorobiphenyl	65

* Acceptable Recovery: 49-131 %

Dilution Factor: 2

Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/10/2019 16:20	10/24/2019 12:08	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<310
PCB-1221	11104-28-2	<310
PCB-1232	11141-16-5	<310
PCB-1242	53469-21-9	<310
PCB-1248	12672-29-6	2100
PCB-1254	11097-69-1	2000
PCB-1260	11096-82-5	<310

Surrogate:	% RC*
Decachlorobiphenyl	106

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D1, S5,

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/10/2019 16:20	10/24/2019 11:38	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<130
PCB-1221	11104-28-2	<130
PCB-1232	11141-16-5	<130
PCB-1242	53469-21-9	<130
PCB-1248	12672-29-6	<130
PCB-1254	11097-69-1	<130
PCB-1260	11096-82-5	240

Surrogate:	% RC*
Decachlorobiphenyl	79

* Acceptable Recovery: 49-131 %

Dilution Factor: 4

Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/10/2019 16:20	10/24/2019 11:23	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<66
PCB-1221	11104-28-2	<66
PCB-1232	11141-16-5	<66
PCB-1242	53469-21-9	<66
PCB-1248	12672-29-6	<66
PCB-1254	11097-69-1	<66
PCB-1260	11096-82-5	180

Surrogate:	% RC*
Decachlorobiphenyl	49

* Acceptable Recovery: 49-131 %

Dilution Factor: 2

Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/10/2019 16:20	10/24/2019 11:53	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<320
PCB-1221	11104-28-2	<320
PCB-1232	11141-16-5	<320
PCB-1242	53469-21-9	<320
PCB-1248	12672-29-6	<320
PCB-1254	11097-69-1	<320
PCB-1260	11096-82-5	380

Surrogate:	% RC*
Decachlorobiphenyl	40

* Acceptable Recovery: 49-131 %

Dilution Factor: 10

Data Qualifiers: D1, S5,

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Project #: 20905.016.024.0034

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/10/2019 16:20	10/24/2019 10:54	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<33
PCB-1221	11104-28-2	<33
PCB-1232	11141-16-5	<33
PCB-1242	53469-21-9	<33
PCB-1248	12672-29-6	84
PCB-1254	11097-69-1	120
PCB-1260	11096-82-5	<33

Surrogate:	% RC*
Decachlorobiphenyl	72

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/10/2019 16:20	10/24/2019 10:39	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<32
PCB-1221	11104-28-2	<32
PCB-1232	11141-16-5	<32
PCB-1242	53469-21-9	<32
PCB-1248	12672-29-6	180
PCB-1254	11097-69-1	180
PCB-1260	11096-82-5	<32

Surrogate:	% RC*
Decachlorobiphenyl	58

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL1010191			10/10/2019 16:20	10/14/2019 10:25	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 49-131 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/12/2019 4:45	10/12/2019 13:12	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	114	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	71	46-130 %

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/12/2019 4:45	10/12/2019 13:34	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	117	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/16/2019 4:55	10/16/2019 8:11	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	107	55-139 %
Toluene-d8:	81	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/12/2019 4:45	10/12/2019 14:16	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	117	55-139 %
Toluene-d8:	78	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/12/2019 12:00	10/12/2019 14:36	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	116	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	71	46-130 %

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Project #: 20905.016.024.0034

TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/12/2019 4:45	10/12/2019 13:55	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	115	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	72	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/16/2019 4:55	10/16/2019 8:32	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	108	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	74	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/16/2019 4:55	10/16/2019 8:53	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	108	55-139 %
Toluene-d8:	81	60-130 %
4-Bromofluorobenzene:	76	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/16/2019 4:55	10/16/2019 9:14	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	105	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	75	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/16/2019 4:55	10/16/2019 9:36	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	110	55-139 %
Toluene-d8:	81	60-130 %
4-Bromofluorobenzene:	76	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/18/2019 6:21	10/18/2019 10:28	Soil

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	109	55-139 %
Toluene-d8:	79	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1011191			10/12/2019 12:00	10/12/2019 12:52	Water

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	118	55-139 %
Toluene-d8:	80	60-130 %
4-Bromofluorobenzene:	71	46-130 %

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TCLP Volatile Organics by GC/MS (EPA 1311/8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT1014193			10/18/2019 6:21	10/18/2019 7:56	Water

Dilution Factor: 1
Data Qualifiers: None

ANALYTE	CAS #	µg/L
Acetone	67-64-1	<1000
Benzene	71-43-2	<100
2-Butanone	78-93-3	<500
Carbon Tetrachloride	56-23-5	<100
Chlorobenzene	108-90-7	<100
Chloroform	67-66-3	<100
1,4-Dichlorobenzene	106-46-7	<100
1,2-Dichloroethane	107-06-2	<100
1,1-Dichloroethene	75-35-4	<100
Tetrachloroethene	127-18-4	<100
Trichloroethene	79-01-6	<100
Vinyl Chloride	75-01-4	<100

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	108	55-139 %
Toluene-d8:	77	60-130 %
4-Bromofluorobenzene:	73	46-130 %

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	10/16/2019 7:30	10/16/2019 12:58	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	14	D-58 %
Phenol-d6:	7.5	D-36 %
Nitrobenzene-d5:	40	22-97 %
2-Fluorobiphenyl:	46	22-98 %
2,4,6-Tribromophenol:	37	9-113 %
Terphenyl-d14:	55	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	10/16/2019 7:30	10/16/2019 12:26	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	13	D-58 %
Phenol-d6:	7.6	D-36 %
Nitrobenzene-d5:	38	22-97 %
2-Fluorobiphenyl:	44	22-98 %
2,4,6-Tribromophenol:	39	9-113 %
Terphenyl-d14:	49	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	10/16/2019 12:00	10/17/2019 14:15	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.8	D-36 %
Nitrobenzene-d5:	35	22-97 %
2-Fluorobiphenyl:	41	22-98 %
2,4,6-Tribromophenol:	32	9-113 %
Terphenyl-d14:	48	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	10/16/2019 7:30	10/16/2019 13:30	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.8	D-36 %
Nitrobenzene-d5:	36	22-97 %
2-Fluorobiphenyl:	42	22-98 %
2,4,6-Tribromophenol:	34	9-113 %
Terphenyl-d14:	51	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	10/16/2019 7:30	10/16/2019 14:01	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	6.2	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	40	22-98 %
2,4,6-Tribromophenol:	28	9-113 %
Terphenyl-d14:	48	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	10/16/2019 7:30	10/16/2019 14:33	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	5.9	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	41	22-98 %
2,4,6-Tribromophenol:	27	9-113 %
Terphenyl-d14:	48	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	10/16/2019 12:00	10/17/2019 14:47	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.6	D-36 %
Nitrobenzene-d5:	14	22-97 %
2-Fluorobiphenyl:	22	22-98 %
2,4,6-Tribromophenol:	31	9-113 %
Terphenyl-d14:	40	8-139 %

Dilution Factor: 1

Data Qualifiers: S5,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	10/16/2019 12:00	10/17/2019 15:19	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.8	D-36 %
Nitrobenzene-d5:	33	22-97 %
2-Fluorobiphenyl:	38	22-98 %
2,4,6-Tribromophenol:	31	9-113 %
Terphenyl-d14:	46	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	10/16/2019 12:00	10/17/2019 15:50	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	6.3	D-58 %
Phenol-d6:	3.8	D-36 %
Nitrobenzene-d5:	24	22-97 %
2-Fluorobiphenyl:	25	22-98 %
2,4,6-Tribromophenol:	16	9-113 %
Terphenyl-d14:	37	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	10/16/2019 12:00	10/17/2019 16:22	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	10	D-58 %
Phenol-d6:	5.8	D-36 %
Nitrobenzene-d5:	25	22-97 %
2-Fluorobiphenyl:	27	22-98 %
2,4,6-Tribromophenol:	27	9-113 %
Terphenyl-d14:	39	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	10/16/2019 12:00	10/17/2019 16:54	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	12	D-58 %
Phenol-d6:	6.7	D-36 %
Nitrobenzene-d5:	34	22-97 %
2-Fluorobiphenyl:	40	22-98 %
2,4,6-Tribromophenol:	31	9-113 %
Terphenyl-d14:	47	8-139 %

Dilution Factor: 1

Data Qualifiers: None

Method Blank	MBAV1016191			10/16/2019 12:00	10/17/2019 10:01	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	11	D-58 %
Phenol-d6:	7.2	D-36 %
Nitrobenzene-d5:	37	22-97 %
2-Fluorobiphenyl:	41	22-98 %
2,4,6-Tribromophenol:	33	9-113 %
Terphenyl-d14:	52	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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TCLP Semi Volatile Organics by GC/MS (EPA 1311/8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBAV1016193			10/16/2019 7:30	10/16/2019 8:12	Soil

ANALYTE	CAS #	µg/L
o-Cresol:	95-48-7	<100
m,p-Cresol:	108-39-4, 106-44-5	<100
1,4-Dichlorobenzene:	106-46-7	<100
2,4-Dinitrotoluene:	121-14-2	<100
Hexachlorobenzene:	118-74-1	<100
Hexachlorobutadiene:	87-68-3	<100
Hexachloroethane:	67-72-1	<100
Nitrobenzene:	98-95-3	<100
Pentachlorophenol:	87-86-5	<400
Pyridine:	110-86-1	<1000
2,4,5-Trichlorophenol:	95-95-4	<100
2,4,6-Trichlorophenol:	88-06-2	<100

Surrogate:	% RC	Acc % RC
2-Fluorophenol:	15	D-58 %
Phenol-d6:	8.7	D-36 %
Nitrobenzene-d5:	43	22-97 %
2-Fluorobiphenyl:	49	22-98 %
2,4,6-Tribromophenol:	42	9-113 %
Terphenyl-d14:	55	8-139 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-9-07-1-A	24628-001	10/10/2019	11:20	10/3/2019	11:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	22	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-05-1-A	24628-002	10/10/2019	11:20	10/3/2019	11:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	21	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-4-04-3-A	24628-003	10/10/2019	11:20	10/3/2019	11:16	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	18	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-01-4-A	24628-004	10/10/2019	11:20	10/3/2019	10:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	19	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-4-03-6-A	24628-005	10/10/2019	11:20	10/3/2019	11:18	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	17	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-08-15-A	24628-006	10/10/2019	11:20	10/3/2019	10:51	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	19	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Inorganics

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-07-1-A	24628-007	10/10/2019	11:20	10/3/2019	11:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	22	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-03-1-A	24628-008	10/10/2019	11:20	10/3/2019	10:25	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	24	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-06-1-A	24628-009	10/10/2019	11:20	10/3/2019	11:04	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	22	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-04-2-A	24628-010	10/10/2019	11:20	10/3/2019	10:27	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	25	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

Client Sample ID	Lab Sample Number	Date Received		Date Sampled		Matrix
DWS-3-02-1-A	24628-011	10/10/2019	11:20	10/3/2019	10:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Moisture Content	--	21	%(w/w)	10/10/19 17:30	10/11/19 09:40	--	1

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	7900	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Antimony	6010B	<2.6	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Arsenic	6010B	3.3	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Barium	6010B	54	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Beryllium	6010B	<0.64	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Cadmium	6010B	2.9	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Calcium	6010B	290000	mg/kg	10/11/19 13:10	10/15/19 15:40	D2,	10
Chromium	6010B	69	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Cobalt	6010B	7.0	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Copper	6010B	120	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Iron	6010B	76000	mg/kg	10/11/19 13:10	10/15/19 15:40	D2,	10
Lead	6010B	150	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Magnesium	6010B	6400	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Manganese	6010B	370	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Mercury	7471A	0.51	mg/kg	10/11/19 13:50	10/14/19 14:53	--	1
Nickel	6010B	28	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Potassium	6010B	110	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Selenium	6010B	<6.1	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Silver	6010B	<0.64	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Sodium	6010B	92	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Thallium	6010B	5.8	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Vanadium	6010B	17	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
Zinc	6010B	880	mg/kg	10/11/19 13:10	10/15/19 19:31	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:56	--	1
TCLP Barium	6010B	0.69	mg/l	10/16/19 17:00	10/17/19 19:56	--	1

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Lab Reference #: WST 24628
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Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-9-07-1-A	24628-001	10/10/2019 11:20	10/3/2019 11:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:56	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:56	--	1
TCLP Lead	6010B	0.13	mg/l	10/16/19 17:00	10/17/19 19:56	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 13:51	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:56	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:56	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	11000	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Antimony	6010B	8.1	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Arsenic	6010B	<2.5	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Barium	6010B	52	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Beryllium	6010B	<0.63	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Cadmium	6010B	2.9	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Calcium	6010B	290000	mg/kg	10/11/19 13:10	10/15/19 14:55	D2,	10
Chromium	6010B	92	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Cobalt	6010B	9.7	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Copper	6010B	300	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Iron	6010B	37000	mg/kg	10/11/19 13:10	10/15/19 14:55	D2,	10
Lead	6010B	250	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Magnesium	6010B	1900	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Manganese	6010B	320	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Mercury	7471A	0.43	mg/kg	10/11/19 13:50	10/14/19 14:48	--	1
Nickel	6010B	42	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Potassium	6010B	110	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Selenium	6010B	<6.0	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Silver	6010B	<0.63	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Sodium	6010B	100	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Thallium	6010B	6.0	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Vanadium	6010B	26	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
Zinc	6010B	1200	mg/kg	10/11/19 13:10	10/15/19 18:25	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 18:57	--	1
TCLP Barium	6010B	0.79	mg/l	10/16/19 17:00	10/17/19 18:57	--	1

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-05-1-A	24628-002	10/10/2019 11:20	10/3/2019 11:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:57	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:57	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 18:57	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 13:46	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 18:57	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:57	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	13000	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Antimony	6010B	5.5	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Arsenic	6010B	<2.4	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Barium	6010B	74	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Beryllium	6010B	<0.61	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Cadmium	6010B	5.0	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Calcium	6010B	280000	mg/kg	10/11/19 13:10	10/15/19 15:18	D2,	10
Chromium	6010B	110	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Cobalt	6010B	6.9	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Copper	6010B	1900	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Iron	6010B	49000	mg/kg	10/11/19 13:10	10/15/19 15:18	D2,	10
Lead	6010B	440	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Magnesium	6010B	1700	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Manganese	6010B	410	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Mercury	7471A	0.36	mg/kg	10/11/19 13:50	10/14/19 14:55	--	1
Nickel	6010B	43	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Potassium	6010B	72	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Selenium	6010B	<5.8	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Silver	6010B	<0.61	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Sodium	6010B	110	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Thallium	6010B	5.7	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Vanadium	6010B	21	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
Zinc	6010B	1700	mg/kg	10/11/19 13:10	10/15/19 18:47	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:09	--	1
TCLP Barium	6010B	0.72	mg/l	10/16/19 17:00	10/17/19 19:09	--	1

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-04-3-A	24628-003	10/10/2019 11:20	10/3/2019 11:16	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.035	mg/l	10/16/19 17:00	10/17/19 19:09	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:09	--	1
TCLP Lead	6010B	0.27	mg/l	10/16/19 17:00	10/17/19 19:09	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 13:53	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:09	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:09	--	1

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	12000	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Antimony	6010B	9.4	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Arsenic	6010B	2.7	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Barium	6010B	150	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Beryllium	6010B	<0.62	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Cadmium	6010B	3.8	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Calcium	6010B	250000	mg/kg	10/11/19 13:10	10/15/19 15:48	D2,	10
Chromium	6010B	92	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Cobalt	6010B	8.7	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Copper	6010B	350	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Iron	6010B	82000	mg/kg	10/11/19 13:10	10/15/19 15:48	D2,	10
Lead	6010B	370	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Magnesium	6010B	1700	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Manganese	6010B	550	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Mercury	7471A	0.5	mg/kg	10/11/19 13:50	10/14/19 15:04	--	1
Nickel	6010B	55	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Potassium	6010B	73	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Selenium	6010B	<5.9	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Silver	6010B	<0.62	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Sodium	6010B	76	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Thallium	6010B	5.7	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Vanadium	6010B	16	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
Zinc	6010B	1700	mg/kg	10/11/19 13:10	10/15/19 19:38	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:11	--	1
TCLP Barium	6010B	1.3	mg/l	10/16/19 17:00	10/17/19 19:11	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-01-4-A	24628-004	10/10/2019 11:20	10/3/2019 10:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.025	mg/l	10/16/19 17:00	10/17/19 19:11	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:11	--	1
TCLP Lead	6010B	1.2	mg/l	10/16/19 17:00	10/17/19 19:11	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 13:58	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:11	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:11	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	5200	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Antimony	6010B	3.2	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Arsenic	6010B	<2.4	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Barium	6010B	83	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Beryllium	6010B	<0.60	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Cadmium	6010B	1.7	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Calcium	6010B	300000	mg/kg	10/11/19 13:10	10/15/19 15:56	D2,	10
Chromium	6010B	48	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Cobalt	6010B	5.5	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Copper	6010B	960	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Iron	6010B	64000	mg/kg	10/11/19 13:10	10/15/19 15:56	D2,	10
Lead	6010B	80	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Magnesium	6010B	2000	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Manganese	6010B	240	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Mercury	7471A	<0.12	mg/kg	10/11/19 13:50	10/14/19 15:06	--	1
Nickel	6010B	22	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Potassium	6010B	110	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Selenium	6010B	<5.8	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Silver	6010B	<0.60	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Sodium	6010B	88	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Thallium	6010B	6.8	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Vanadium	6010B	8.5	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
Zinc	6010B	770	mg/kg	10/11/19 13:10	10/15/19 19:45	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:13	--	1
TCLP Barium	6010B	0.56	mg/l	10/16/19 17:00	10/17/19 19:13	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-4-03-6-A	24628-005	10/10/2019 11:20	10/3/2019 11:18	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:13	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:13	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:13	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:02	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:13	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:13	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	51000	mg/kg	10/11/19 13:10	10/15/19 16:27	D2,	10
Antimony	6010B	63	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Arsenic	6010B	11	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Barium	6010B	590	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Beryllium	6010B	<0.62	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Cadmium	6010B	17	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Calcium	6010B	99000	mg/kg	10/11/19 13:10	10/15/19 16:27	D2,	10
Chromium	6010B	310	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Cobalt	6010B	36	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Copper	6010B	2700	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Iron	6010B	200000	mg/kg	10/11/19 13:10	10/15/19 16:27	D2,	10
Lead	6010B	11000	mg/kg	10/11/19 13:10	10/15/19 16:27	D2,	10
Magnesium	6010B	2100	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Manganese	6010B	1100	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Mercury	7471A	4.8	mg/kg	10/11/19 13:50	10/16/19 12:28	D2,	5
Nickel	6010B	250	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Potassium	6010B	200	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Selenium	6010B	<5.9	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Silver	6010B	2.7	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Sodium	6010B	260	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Thallium	6010B	<2.5	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Vanadium	6010B	23	mg/kg	10/11/19 13:10	10/15/19 19:53	--	1
Zinc	6010B	12000	mg/kg	10/11/19 13:10	10/15/19 16:27	D2,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:16	--	1
TCLP Barium	6010B	3.2	mg/l	10/16/19 17:00	10/17/19 19:16	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-08-15-A	24628-006	10/10/2019 11:20	10/3/2019 10:51	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	0.12	mg/l	10/16/19 17:00	10/17/19 19:16	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:16	--	1
TCLP Lead	6010B	6.6	mg/l	10/16/19 17:00	10/17/19 19:16	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:04	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:16	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:16	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	11000	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Antimony	6010B	3.8	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Arsenic	6010B	3.2	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Barium	6010B	52	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Beryllium	6010B	<0.64	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Cadmium	6010B	3.1	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Calcium	6010B	270000	mg/kg	10/11/19 13:10	10/15/19 16:35	D2,	10
Chromium	6010B	97	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Cobalt	6010B	7.6	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Copper	6010B	240	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Iron	6010B	54000	mg/kg	10/11/19 13:10	10/15/19 16:35	D2,	10
Lead	6010B	220	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Magnesium	6010B	2000	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Manganese	6010B	400	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Mercury	7471A	0.37	mg/kg	10/11/19 13:50	10/14/19 15:10	--	1
Nickel	6010B	38	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Potassium	6010B	110	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Selenium	6010B	<6.1	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Silver	6010B	<0.64	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Sodium	6010B	76	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Thallium	6010B	6.0	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Vanadium	6010B	20	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
Zinc	6010B	970	mg/kg	10/11/19 13:10	10/15/19 20:00	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:18	--	1
TCLP Barium	6010B	0.71	mg/l	10/16/19 17:00	10/17/19 19:18	--	1

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-07-1-A	24628-007	10/10/2019 11:20	10/3/2019 11:06	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:18	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:18	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:18	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:05	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:18	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:18	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	17000	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Antimony	6010B	2.8	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Arsenic	6010B	3.1	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Barium	6010B	73	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Beryllium	6010B	<0.66	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Cadmium	6010B	2.6	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Calcium	6010B	260000	mg/kg	10/11/19 13:10	10/15/19 16:43	D2,	10
Chromium	6010B	84	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Cobalt	6010B	13	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Copper	6010B	160	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Iron	6010B	62000	mg/kg	10/11/19 13:10	10/15/19 16:43	D2,	10
Lead	6010B	220	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Magnesium	6010B	1800	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Manganese	6010B	390	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Mercury	7471A	0.24	mg/kg	10/11/19 13:50	10/14/19 15:11	--	1
Nickel	6010B	60	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Potassium	6010B	170	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Selenium	6010B	<6.3	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Silver	6010B	<0.66	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Sodium	6010B	160	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Thallium	6010B	6.0	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Vanadium	6010B	20	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
Zinc	6010B	1400	mg/kg	10/11/19 13:10	10/15/19 20:08	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:20	--	1
TCLP Barium	6010B	0.81	mg/l	10/16/19 17:00	10/17/19 19:20	--	1

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Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-03-1-A	24628-008	10/10/2019 11:20	10/3/2019 10:25	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:20	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:20	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:20	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:07	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:20	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:20	--	1

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Lab Reference #: WST 24628
Project Name: Dededo Transfer Station, Guam
Project #: 20905.016.024.0034

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	12000	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Antimony	6010B	9.2	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Arsenic	6010B	5.2	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Barium	6010B	68	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Beryllium	6010B	<0.64	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Cadmium	6010B	3.3	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Calcium	6010B	260000	mg/kg	10/11/19 13:10	10/15/19 16:51	D2,	10
Chromium	6010B	100	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Cobalt	6010B	7.4	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Copper	6010B	150	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Iron	6010B	47000	mg/kg	10/11/19 13:10	10/15/19 16:51	D2,	10
Lead	6010B	740	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Magnesium	6010B	1900	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Manganese	6010B	400	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Mercury	7471A	0.23	mg/kg	10/11/19 13:50	10/14/19 15:13	--	1
Nickel	6010B	43	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Potassium	6010B	130	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Selenium	6010B	<6.1	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Silver	6010B	<0.64	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Sodium	6010B	100	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Thallium	6010B	6.1	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Vanadium	6010B	28	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
Zinc	6010B	1100	mg/kg	10/11/19 13:10	10/15/19 20:15	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:23	--	1
TCLP Barium	6010B	0.89	mg/l	10/16/19 17:00	10/17/19 19:23	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-06-1-A	24628-009	10/10/2019 11:20	10/3/2019 11:04	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:23	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:23	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:23	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:08	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:23	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:23	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	16000	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Antimony	6010B	3.2	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Arsenic	6010B	4.0	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Barium	6010B	82	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Beryllium	6010B	<0.66	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Cadmium	6010B	3.6	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Calcium	6010B	250000	mg/kg	10/11/19 13:10	10/15/19 16:58	D2,	10
Chromium	6010B	130	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Cobalt	6010B	8.0	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Copper	6010B	240	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Iron	6010B	65000	mg/kg	10/11/19 13:10	10/15/19 16:58	D2,	10
Lead	6010B	330	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Magnesium	6010B	2400	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Manganese	6010B	540	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Mercury	7471A	0.37	mg/kg	10/11/19 13:50	10/14/19 15:15	--	1
Nickel	6010B	47	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Potassium	6010B	120	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Selenium	6010B	<6.4	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Silver	6010B	<0.66	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Sodium	6010B	81	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Thallium	6010B	5.3	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Vanadium	6010B	24	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
Zinc	6010B	1500	mg/kg	10/11/19 13:10	10/15/19 20:22	--	1
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:25	--	1
TCLP Barium	6010B	0.68	mg/l	10/16/19 17:00	10/17/19 19:25	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-04-2-A	24628-010	10/10/2019 11:20	10/3/2019 10:27	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:25	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:25	--	1
TCLP Lead	6010B	0.13	mg/l	10/16/19 17:00	10/17/19 19:25	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:10	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:25	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:25	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Aluminum	6010B	96000	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Antimony	6010B	<25	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Arsenic	6010B	<25	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Barium	6010B	140	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Beryllium	6010B	<6.3	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Cadmium	6010B	<6.3	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Calcium	6010B	140000	mg/kg	10/11/19 13:10	10/15/19 17:06	D2,	10
Chromium	6010B	630	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Cobalt	6010B	25	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Copper	6010B	230	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Iron	6010B	87000	mg/kg	10/11/19 13:10	10/15/19 17:06	D2,	10
Lead	6010B	270	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Magnesium	6010B	1600	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Manganese	6010B	2300	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Mercury	7471A	0.39	mg/kg	10/11/19 13:50	10/14/19 15:17	--	1
Nickel	6010B	140	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Potassium	6010B	<320	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Selenium	6010B	<61	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Silver	6010B	<6.3	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Sodium	6010B	<320	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Thallium	6010B	<25	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Vanadium	6010B	130	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
Zinc	6010B	1000	mg/kg	10/11/19 13:10	10/15/19 17:06	D1,	10
TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:27	--	1
TCLP Barium	6010B	1.1	mg/l	10/16/19 17:00	10/17/19 19:27	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
DWS-3-02-1-A	24628-011	10/10/2019 11:20	10/3/2019 10:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:27	--	1
TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:27	--	1
TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 19:27	--	1
TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 14:11	--	1
TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 19:27	--	1
TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 19:27	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1011192	Aluminum	6010B	<10	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Antimony	6010B	<2.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Arsenic	6010B	<2.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Barium	6010B	<1.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Beryllium	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Cadmium	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Calcium	6010B	<25	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Chromium	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Cobalt	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Copper	6010B	<5.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Iron	6010B	<10	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Lead	6010B	<0.80	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Magnesium	6010B	<5.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Manganese	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011191	Mercury	7471A	<0.10	mg/kg	10/11/19 13:50	10/14/19 14:43	--	1
MBIR1011192	Nickel	6010B	<1.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Potassium	6010B	<25	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Selenium	6010B	<4.8	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Silver	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Sodium	6010B	<25	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Thallium	6010B	<2.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Vanadium	6010B	<0.50	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1011192	Zinc	6010B	<5.0	mg/kg	10/11/19 13:10	10/15/19 14:16	--	1
MBIR1016191	TCLP Arsenic	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Barium	6010B	<0.040	mg/l	10/16/19 17:00	10/17/19 18:50	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR1016191	TCLP Cadmium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Chromium	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Lead	6010B	<0.080	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016192	TCLP Mercury	7470A	<0.010	mg/l	10/16/19 17:20	10/18/19 13:38	--	1
MBIR1016191	TCLP Selenium	6010B	<0.20	mg/l	10/16/19 17:00	10/17/19 18:50	--	1
MBIR1016191	TCLP Silver	6010B	<0.020	mg/l	10/16/19 17:00	10/17/19 18:50	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/14/2019 13:20
Date of Analysis: 10/15/2019 11:02
Dup Date of Analysis: 10/15/2019 11:23
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	43.0	1000	1170	1150	113	111	2	62-154	28	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	106	107	☐

LCS	LCSD	Qual
101	101	☐

ACP % RC
45-170

Laboratory Control Sample

Date of Extraction: 10/14/2019 13:20
Date of Analysis: 10/15/2019 10:21
Dup Date of Analysis: 10/15/2019 10:41
Laboratory Sample #: TS1014191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1040	1100	104	110	6	70-140	20	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/14/2019 12:25
Date of Analysis: 10/15/2019 18:21
Dup Date of Analysis: 10/15/2019 18:41
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	210	1000	1200	1210	99	100	1	62-154	28	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	107	104	☐

LCS	LCSD	Qual
99	103	☐

ACP % RC
45-170

Laboratory Control Sample

Date of Extraction: 10/14/2019 12:25
Date of Analysis: 10/15/2019 17:40
Dup Date of Analysis: 10/15/2019 18:00
Laboratory Sample #: TS1014192
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1010	1120	101	112	10	70-140	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/15/2019 8:25
Date of Analysis: 10/15/2019 9:54
Dup Date of Analysis: 10/15/2019 10:12
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.159	0.172	64	69	8	41-130	22	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	87	88	☐

LCS	LCSD	Qual
91	83	☐

ACP % RC
52-130

Laboratory Control Sample

Date of Extraction: 10/15/2019 8:25
Date of Analysis: 10/15/2019 9:17
Dup Date of Analysis: 10/15/2019 9:35
Laboratory Sample #: TS1015191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.212	0.217	85	87	2	41-136	24	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/17/2019 7:45
Date of Analysis: 10/17/2019 8:13
Dup Date of Analysis: 10/17/2019 8:31
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.230	0.237	92	95	3	41-130	22	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	94	96	☐

LCS	LCSD	Qual
98	100	☐

ACP % RC
52-130

Laboratory Control Sample

Date of Extraction: 10/17/2019 7:45
Date of Analysis: 10/17/2019 8:49
Dup Date of Analysis: 10/17/2019 9:07
Laboratory Sample #: TS1017191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.226	0.238	90	95	5	41-136	24	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 11:54
Dup Date of Analysis: 10/14/2019 12:09
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: R2,
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Gamma-BHC	0.00	20.0	10.1	9.07	50	45	11	41-130	25	☐
Heptachlor	0.00	20.0	16.2	11.9	81	59	31	36-130	26	☑
Aldrin	0.00	20.0	12.5	12.6	63	63	1	41-130	25	☐
Dieldrin	0.00	40.0	34.3	33.2	86	83	3	39-137	23	☐
Endrin	0.00	40.0	26.5	25.3	66	63	5	46-150	25	☐
DDT	0.00	40.0	43.4	40.7	109	102	6	41-148	25	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	103	99	☐

LCS	LCSD	Qual
87	79	☐

ACP % RC
49-131

Laboratory Control Sample

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 10:40
Dup Date of Analysis: 10/14/2019 10:55
Laboratory Sample #: BL1010191A
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Gamma-BHC	20.0	17.4	15.9	87	79	9	45-130	25	☐
Heptachlor	20.0	15.1	13.9	75	69	8	42-130	27	☐
Aldrin	20.0	17.4	16.1	87	81	8	44-130	26	☐
Dieldrin	40.0	40.9	35.9	102	90	13	43-131	20	☐
Endrin	40.0	42.5	38.3	106	96	10	47-145	20	☐
DDT	40.0	50.3	44.7	126	112	12	45-140	20	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 14:07
Dup Date of Analysis: 10/14/2019 14:21
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Gamma-BHC	0.00	20.0	10.6	11.2	53	56	6	41-130	25	☐
Heptachlor	0.00	20.0	14.9	13.4	75	67	11	36-130	26	☐
Aldrin	0.00	20.0	13.2	13.0	66	65	2	41-130	25	☐
Dieldrin	0.00	40.0	24.0	28.6	60	72	17	39-137	23	☐
Endrin	0.00	40.0	24.8	30.1	62	75	19	46-150	25	☐
DDT	0.00	40.0	45.6	46.0	114	115	1	41-148	25	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	108	102	☐

ACP % RC
49-131

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 12:24
Dup Date of Analysis: 10/14/2019 12:38
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: M1, R2,
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	161	277	107	185	53	39-130	20	☑
PCB-1260	0.00	150	892	991	595	661	11	39-141	20	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	86	86	☐

LCS	LCSD	Qual
85	98	☐

ACP % RC
49-131

Laboratory Control Sample

Date of Extraction: 10/10/2019 16:20
Date of Analysis: 10/14/2019 11:10
Dup Date of Analysis: 10/14/2019 11:25
Laboratory Sample #: BL1010191B
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	158	154	105	103	3	39-130	23	☐
PCB-1260	150	179	193	119	129	8	54-130	20	☐

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/10/2019 17:40
Date of Analysis: 10/14/2019 14:36
Dup Date of Analysis: 10/14/2019 14:51
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: M1, R2,
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	159	149	106	99	6	39-130	20	☐
PCB-1260	0.00	150	268	211	179	141	24	39-141	20	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	87	73	☐

ACP % RC
49-131

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/12/2019 12:00
Date of Analysis: 10/12/2019 14:57
Dup Date of Analysis: 10/12/2019 15:18
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: R2,
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.90	11.8	99	118	18	54-134	20	☐
Benzene	0.00	10.0	10.1	12.3	101	123	20	69-141	20	☐
Trichloroethene	0.00	10.0	9.42	11.5	94	115	20	70-139	20	☐
Toluene	0.00	10.0	9.04	11.2	90	112	21	62-136	20	☑
Chlorobenzene	0.00	10.0	9.01	11.0	90	110	20	70-133	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	117	118	☐	97	100	☐	55-139
Toluene-d8	78	78	☐	72	73	☐	60-130
4-Bromofluorobenzene	70	72	☐	74	74	☐	46-130

Laboratory Control Sample

Date of Extraction: 10/12/2019 4:45
Date of Analysis: 10/12/2019 6:50
Dup Date of Analysis: 10/12/2019 7:10
Laboratory Sample #: MN1012191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	11.4	10.2	114	102	11	55-130	20	☐
Benzene	10.0	11.8	11.4	118	114	3	70-132	20	☐
Trichloroethene	10.0	11.0	10.7	110	107	3	70-133	20	☐
Toluene	10.0	11.0	10.5	110	105	5	59-130	20	☐
Chlorobenzene	10.0	10.9	10.6	109	106	3	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2019 4:55
Date of Analysis: 10/16/2019 7:29
Dup Date of Analysis: 10/16/2019 7:50
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	10.3	9.90	103	99	4	54-134	20	☐
Benzene	0.00	10.0	11.5	11.4	115	114	1	69-141	20	☐
Trichloroethene	0.00	10.0	11.2	10.9	112	109	3	70-139	20	☐
Toluene	0.00	10.0	10.7	10.7	107	107	0	62-136	20	☐
Chlorobenzene	0.00	10.0	10.7	10.6	107	106	1	70-133	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	106	105	☐	106	105	☐	55-139
Toluene-d8	79	80	☐	80	79	☐	60-130
4-Bromofluorobenzene	75	77	☐	77	76	☐	46-130

Laboratory Control Sample

Date of Extraction: 10/16/2019 4:55
Date of Analysis: 10/16/2019 6:48
Dup Date of Analysis: 10/16/2019 7:09
Laboratory Sample #: MN1016191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	9.70	9.60	97	96	1	55-130	20	☐
Benzene	10.0	10.4	10.5	104	105	1	70-132	20	☐
Trichloroethene	10.0	10.1	10.4	101	104	3	70-133	20	☐
Toluene	10.0	9.82	9.82	98	98	0	59-130	20	☐
Chlorobenzene	10.0	10.0	10.0	100	100	0	70-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (EPA 8260B)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/18/2019 6:21
Date of Analysis: 10/18/2019 9:45
Dup Date of Analysis: 10/18/2019 10:06
Laboratory Sample #: 24628-011
MS/MSD Qualifiers: None
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
1,1-Dichloroethene	0.00	10.0	9.66	9.64	97	96	0	54-134	20	☐
Benzene	0.00	10.0	11.5	11.5	115	115	0	69-141	20	☐
Trichloroethene	0.00	10.0	9.91	9.86	99	99	1	70-139	20	☐
Toluene	0.00	10.0	10.1	10.0	101	100	1	62-136	20	☐
Chlorobenzene	0.00	10.0	9.98	9.87	100	99	1	70-133	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	120	115	☐	119	118	☐	55-139
Toluene-d8	79	79	☐	78	77	☐	60-130
4-Bromofluorobenzene	76	75	☐	75	74	☐	46-130

Laboratory Control Sample

Date of Extraction: 10/18/2019 6:21
Date of Analysis: 10/18/2019 8:59
Dup Date of Analysis: 10/18/2019 9:21
Laboratory Sample #: MN1018191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
1,1-Dichloroethene	10.0	10.1	9.97	101	100	1	55-130	20	☐
Benzene	10.0	11.5	11.0	115	110	4	70-132	20	☐
Trichloroethene	10.0	10.6	9.79	106	98	8	70-133	20	☐
Toluene	10.0	10.7	10.1	107	101	6	59-130	20	☐
Chlorobenzene	10.0	10.4	9.67	104	97	7	70-130	20	☐

QA/QC Report
for
Semi-Volatile Organic Compounds (EPA 8270C)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2019 7:30
Date of Analysis: 10/16/2019 11:22
Dup Date of Analysis: 10/16/2019 11:54
Laboratory Sample #: 24628-002
MS/MSD Qualifiers: R2,
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Phenol	0.00	400	113	83.2	28	21	30	15-40	20	☑
2-Chlorophenol	0.00	400	332	242	83	61	31	37-111	20	☑
1,4-Dichlorobenzene	0.00	200	117	89.7	58	45	26	27-91	20	☑
N-Nitrosodi-n-propylamine	0.00	200	160	138	80	69	15	43-126	20	☐
1,2,4-Trichlorobenzene	0.00	200	130	98.9	65	49	27	32-92	20	☑
4-Chloro-3-methylphenol	0.00	400	393	340	98	85	14	24-141	20	☐
Acenaphthene	0.00	200	195	173	98	87	12	21-160	20	☐
4-Nitrophenol	0.00	400	116	111	29	28	4	1-68	20	☐
2,4-Dinitrotoluene	0.00	200	206	192	103	96	7	25-170	20	☐
Pentachlorophenol	0.00	400	456	424	114	106	7	11-177	20	☐
Pyrene	0.00	200	191	179	95	89	6	21-175	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
2-Fluorophenol	14	10	☐	14	14	☐	D-58
Phenol-d6	8.9	6.9	☐	8.6	8.8	☐	D-36
Nitrobenzene-d5	40	34	☐	40	41	☐	22-97
2-Fluorobiphenyl	44	41	☐	46	46	☐	22-98
2,4,6-Tribromophenol	40	40	☐	41	41	☐	9-113
Terphenyl-d14	51	48	☐	51	51	☐	8-139

Laboratory Control Sample

Date of Extraction: 10/16/2019 7:30
Date of Analysis: 10/16/2019 8:44
Dup Date of Analysis: 10/16/2019 9:15
Laboratory Sample #: AV1016193
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Phenol	400	105	106	26	26	1	15-40	20	☐
2-Chlorophenol	400	310	313	77	78	1	37-111	20	☐
1,4-Dichlorobenzene	200	132	133	66	67	1	27-91	20	☐
N-Nitrosodi-n-propylamine	200	157	158	79	79	1	43-126	20	☐
1,2,4-Trichlorobenzene	200	145	145	73	73	0	32-92	20	☐
4-Chloro-3-methylphenol	400	366	368	92	92	1	24-141	20	☐
Acenaphthene	200	196	194	98	97	1	21-160	20	☐
4-Nitrophenol	400	98.3	98.8	25	25	1	1-68	20	☐
2,4-Dinitrotoluene	200	200	200	100	100	0	25-170	20	☐
Pentachlorophenol	400	425	430	106	108	1	11-177	20	☐
Pyrene	200	184	184	92	92	0	21-175	20	☐

QA/QC Report
for
Semi-Volatile Organic Compounds (EPA 8270C)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/16/2019 12:00
Date of Analysis: 10/17/2019 12:08
Dup Date of Analysis: 10/17/2019 12:40
Laboratory Sample #: 24628-003
MS/MSD Qualifiers: M2, R2,
Reference #: WST 24628

Analyte	R1	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Phenol	0.00	400	83.9	107	21	27	24	15-40	20	☑
2-Chlorophenol	0.00	400	237	285	59	71	18	37-111	20	☐
1,4-Dichlorobenzene	0.00	200	47.7	100	24	50	71	27-91	20	☑
N-Nitrosodi-n-propylamine	0.00	200	118	154	59	77	26	43-126	20	☑
1,2,4-Trichlorobenzene	0.00	200	61.7	109	31	55	55	32-92	20	☑
4-Chloro-3-methylphenol	0.00	400	340	375	85	94	10	24-141	20	☐
Acenaphthene	0.00	200	156	186	78	93	18	21-160	20	☐
4-Nitrophenol	0.00	400	86.9	114	22	28	27	1-68	20	☑
2,4-Dinitrotoluene	0.00	200	173	188	87	94	8	25-170	20	☐
Pentachlorophenol	0.00	400	460	467	115	117	2	11-177	20	☐
Pyrene	0.00	200	187	187	94	94	0	21-175	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
2-Fluorophenol	10	11	☐	11	11	☐	D-58
Phenol-d6	6.3	7.6	☐	7.0	7.1	☐	D-36
Nitrobenzene-d5	23	36	☐	35	35	☐	22-97
2-Fluorobiphenyl	30	42	☐	39	40	☐	22-98
2,4,6-Tribromophenol	35	35	☐	33	33	☐	9-113
Terphenyl-d14	49	53	☐	47	47	☐	8-139

Laboratory Control Sample

Date of Extraction: 10/16/2019 12:00
Date of Analysis: 10/17/2019 11:04
Dup Date of Analysis: 10/17/2019 11:36
Laboratory Sample #: AV1016191
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Phenol	400	96.7	97.7	24	24	1	15-40	20	☐
2-Chlorophenol	400	284	287	71	72	1	37-111	20	☐
1,4-Dichlorobenzene	200	111	113	56	56	2	27-91	20	☐
N-Nitrosodi-n-propylamine	200	134	136	67	68	1	43-126	20	☐
1,2,4-Trichlorobenzene	200	120	121	60	61	1	32-92	20	☐
4-Chloro-3-methylphenol	400	341	341	85	85	0	24-141	20	☐
Acenaphthene	200	168	167	84	83	1	21-160	20	☐
4-Nitrophenol	400	98.5	101	25	25	3	1-68	20	☐
2,4-Dinitrotoluene	200	175	176	88	88	1	25-170	20	☐
Pentachlorophenol	400	411	413	103	103	0	11-177	20	☐
Pyrene	200	164	164	82	82	0	21-175	20	☐

QA/QC Report
for
Metals

Reference #: WST 24628 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-002 **Date of Extraction:** 10/11/19 13:10

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Aluminum	10/15/19 18:32	10/15/19 18:40	8700	250	8690	8590	0	0	1	75-125	20	M3,
Antimony	10/15/19 18:32	10/15/19 18:40	6.40	20.0	27.2	23.4	104	85	15	75-125	20	--
Arsenic	10/15/19 18:32	10/15/19 18:40	0.00	20.0	23.3	21.4	116	107	9	75-125	20	--
Barium	10/15/19 18:32	10/15/19 18:40	41.0	20.0	64.9	63.2	120	111	3	75-125	20	--
Beryllium	10/15/19 18:32	10/15/19 18:40	0.00	20.0	18.7	18.5	94	93	1	75-125	20	--
Cadmium	10/15/19 18:32	10/15/19 18:40	2.30	20.0	21.8	21.0	97	94	4	75-125	20	--
Calcium	10/15/19 15:03	10/15/19 15:10	230000	250	225000	201000	0	0	11	75-125	20	M3,
Chromium	10/15/19 18:32	10/15/19 18:40	73.0	20.0	86.5	82.5	68	48	5	75-125	20	M3,
Cobalt	10/15/19 18:32	10/15/19 18:40	7.70	20.0	23.2	21.7	78	70	7	75-125	20	M3,
Copper	10/15/19 18:32	10/15/19 18:40	240	20.0	145	129	0	0	12	75-125	20	M3,
Iron	10/15/19 15:03	10/15/19 15:10	29000	250	54000	20900	10000	0	88	75-125	20	M3,
Lead	10/15/19 18:32	10/15/19 18:40	200	20.0	225	212	125	60	6	75-125	20	M3,
Magnesium	10/15/19 18:32	10/15/19 18:40	1500	250	1660	1620	64	48	2	75-125	20	M3,
Manganese	10/15/19 18:32	10/15/19 18:40	250	20.0	361	260	555	50	33	75-125	20	M3,
Nickel	10/15/19 18:32	10/15/19 18:40	33.0	20.0	51.1	47.3	90	71	8	75-125	20	M3,
Potassium	10/15/19 18:32	10/15/19 18:40	85.0	250	507	518	169	173	2	75-125	20	M3,
Selenium	10/15/19 18:32	10/15/19 18:40	0.00	20.0	20.9	20.0	104	100	4	75-125	20	--
Silver	10/15/19 18:32	10/15/19 18:40	0.00	20.0	19.4	19.1	97	96	2	75-125	20	--
Sodium	10/15/19 18:32	10/15/19 18:40	81.0	250	303	301	89	88	1	75-125	20	--
Thallium	10/15/19 18:32	10/15/19 18:40	4.80	20.0	19.8	19.5	75	73	2	75-125	20	M2,
Vanadium	10/15/19 18:32	10/15/19 18:40	21.0	20.0	38.5	36.9	88	80	4	75-125	20	--
Zinc	10/15/19 18:32	10/15/19 18:40	950	20.0	943	825	0	0	13	75-125	20	M3,

QA/QC Report
for
Metals

Reference #: WST 24628 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-003 **Date of Extraction:** 10/11/19 13:10

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Aluminum	10/15/19 18:54	10/15/19 19:24	11000	250	12700	12200	680	480	4	75-125	20	M3,
Antimony	10/15/19 18:54	10/15/19 19:24	4.50	20.0	25.7	23.9	106	97	7	75-125	20	--
Arsenic	10/15/19 18:54	10/15/19 19:24	0.00	20.0	23.1	26.1	116	131	12	75-125	20	M1,
Barium	10/15/19 18:54	10/15/19 19:24	61.0	20.0	67.2	114	31	265	52	75-125	20	M3,
Beryllium	10/15/19 18:54	10/15/19 19:24	0.00	20.0	18.0	18.3	90	91	2	75-125	20	--
Cadmium	10/15/19 18:54	10/15/19 19:24	4.10	20.0	23.0	22.9	95	94	0	75-125	20	--
Calcium	10/15/19 15:26	10/15/19 15:33	230000	250	233000	216000	1200	0	8	75-125	20	M3,
Chromium	10/15/19 18:54	10/15/19 19:24	93.0	20.0	120	129	135	180	7	75-125	20	M3,
Cobalt	10/15/19 18:54	10/15/19 19:24	5.70	20.0	22.3	25.1	83	97	12	75-125	20	--
Copper	10/15/19 18:54	10/15/19 19:24	1600	20.0	1550	1000	0	0	43	75-125	20	M3,
Iron	10/15/19 15:26	10/15/19 15:33	40000	250	40700	87400	280	18960	73	75-125	20	M3,
Lead	10/15/19 18:54	10/15/19 19:24	360	20.0	350	330	0	0	6	75-125	20	M3,
Magnesium	10/15/19 18:54	10/15/19 19:24	1400	250	1620	1520	88	48	6	75-125	20	M3,
Manganese	10/15/19 18:54	10/15/19 19:24	340	20.0	415	673	375	1665	47	75-125	20	M3,
Nickel	10/15/19 18:54	10/15/19 19:24	35.0	20.0	48.4	65.1	67	150	29	75-125	20	M3,
Potassium	10/15/19 18:54	10/15/19 19:24	59.0	250	483	481	170	169	0	75-125	20	M3,
Selenium	10/15/19 18:54	10/15/19 19:24	0.00	20.0	19.0	18.3	95	91	4	75-125	20	--
Silver	10/15/19 18:54	10/15/19 19:24	0.00	20.0	19.2	19.7	96	99	3	75-125	20	--
Sodium	10/15/19 18:54	10/15/19 19:24	93.0	250	319	331	90	95	4	75-125	20	--
Thallium	10/15/19 18:54	10/15/19 19:24	4.70	20.0	18.5	17.9	69	66	3	75-125	20	M2,
Vanadium	10/15/19 18:54	10/15/19 19:24	17.0	20.0	35.5	35.9	93	95	1	75-125	20	--
Zinc	10/15/19 18:54	10/15/19 19:24	1400	20.0	1450	1480	250	400	2	75-125	20	M3,

QA/QC Report
for
Metals

Reference #: WST 24628 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1011192 **Date of Extraction:** 10/11/19 13:10

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Aluminum	10/15/19 14:24	10/15/19 14:32	--	250	228	224	91	90	2	80-120	20	--
Antimony	10/15/19 14:24	10/15/19 14:32	--	20.0	20.8	20.4	104	102	2	80-120	20	--
Arsenic	10/15/19 14:24	10/15/19 14:32	--	20.0	20.3	20.3	101	101	0	80-120	20	--
Barium	10/15/19 14:24	10/15/19 14:32	--	20.0	19.8	19.5	99	98	2	80-120	20	--
Beryllium	10/15/19 14:24	10/15/19 14:32	--	20.0	20.1	19.9	101	99	1	80-120	20	--
Cadmium	10/15/19 14:24	10/15/19 14:32	--	20.0	20.0	19.8	100	99	1	80-120	20	--
Calcium	10/15/19 14:24	10/15/19 14:32	--	250	235	236	94	94	0	80-120	20	--
Chromium	10/15/19 14:24	10/15/19 14:32	--	20.0	20.0	19.7	100	99	2	80-120	20	--
Cobalt	10/15/19 14:24	10/15/19 14:32	--	20.0	21.6	21.4	108	107	1	80-120	20	--
Copper	10/15/19 14:24	10/15/19 14:32	--	20.0	19.4	19.2	97	96	1	80-120	20	--
Iron	10/15/19 14:24	10/15/19 14:32	--	250	254	251	102	100	1	80-120	20	--
Lead	10/15/19 14:24	10/15/19 14:32	--	20.0	20.3	20.4	101	102	0	80-120	20	--
Magnesium	10/15/19 14:24	10/15/19 14:32	--	250	281	279	112	112	1	80-120	20	--
Manganese	10/15/19 14:24	10/15/19 14:32	--	20.0	19.6	19.1	98	96	3	80-120	20	--
Nickel	10/15/19 14:24	10/15/19 14:32	--	20.0	22.3	22.2	111	111	0	80-120	20	--
Potassium	10/15/19 14:24	10/15/19 14:32	--	250	249	248	100	99	0	80-120	20	--
Selenium	10/15/19 14:24	10/15/19 14:32	--	20.0	21.0	21.1	105	106	0	80-120	20	--
Silver	10/15/19 14:24	10/15/19 14:32	--	20.0	19.5	19.1	98	96	2	80-120	20	--
Sodium	10/15/19 14:24	10/15/19 14:32	--	250	253	249	101	100	2	80-120	20	--
Thallium	10/15/19 14:24	10/15/19 14:32	--	20.0	20.3	20.3	101	101	0	80-120	20	--
Vanadium	10/15/19 14:24	10/15/19 14:32	--	20.0	19.2	18.9	96	94	2	80-120	20	--
Zinc	10/15/19 14:24	10/15/19 14:32	--	20.0	20.9	21.0	104	105	0	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-002 **Date of Extraction:** 10/11/19 13:50

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	10/14/19 14:50	10/14/19 14:52	0.340	1.00	1.61	1.41	127	107	13	80-120	20	M1,

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-003 **Date of Extraction:** 10/11/19 13:50

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	10/14/19 14:57	10/14/19 14:59	0.300	1.00	1.31	1.31	101	101	0	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1011191 **Date of Extraction:** 10/11/19 13:50

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	10/14/19 14:45	10/14/19 14:47	--	1.00	1.17	1.11	117	111	5	80-120	20	--

QA/QC Report
for
Metals

Reference #: WST 24628 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-002 **Date of Extraction:** 10/16/19 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.393	0.389	98	97	1	75-125	20	--
TCLP Barium	10/17/19 18:59	10/17/19 19:02	0.790	0.400	1.16	1.21	92	105	4	75-125	20	--
TCLP Cadmium	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.390	0.394	97	98	1	75-125	20	--
TCLP Chromium	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.377	0.385	94	96	2	75-125	20	--
TCLP Lead	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.371	0.374	93	94	1	75-125	20	--
TCLP Selenium	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.364	0.381	91	95	5	75-125	20	--
TCLP Silver	10/17/19 18:59	10/17/19 19:02	0.00	0.400	0.381	0.390	95	97	2	75-125	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-003 **Date of Extraction:** 10/16/19 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 20:07	10/17/19 20:10	0.00	0.400	0.359	0.379	90	95	5	75-125	20	--
TCLP Barium	10/17/19 20:07	10/17/19 20:10	0.720	0.400	1.06	1.02	85	75	4	75-125	20	--
TCLP Cadmium	10/17/19 20:07	10/17/19 20:10	0.0350	0.400	0.397	0.399	91	91	1	75-125	20	--
TCLP Chromium	10/17/19 20:07	10/17/19 20:10	0.00	0.400	0.362	0.363	90	91	0	75-125	20	--
TCLP Lead	10/17/19 20:07	10/17/19 20:10	0.270	0.400	0.629	0.625	90	89	1	75-125	20	--
TCLP Selenium	10/17/19 20:07	10/17/19 20:10	0.00	0.400	0.348	0.315	87	79	10	75-125	20	--
TCLP Silver	10/17/19 20:07	10/17/19 20:10	0.00	0.400	0.362	0.366	90	91	1	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1016191 **Date of Extraction:** 10/16/19 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Arsenic	10/17/19 18:52	10/17/19 18:55	--	0.400	0.383	0.399	96	100	4	80-120	20	--
TCLP Barium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.355	0.379	89	95	7	80-120	20	--
TCLP Cadmium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.382	0.390	95	97	2	80-120	20	--
TCLP Chromium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.397	0.400	99	100	1	80-120	20	--
TCLP Lead	10/17/19 18:52	10/17/19 18:55	--	0.400	0.391	0.391	98	98	0	80-120	20	--
TCLP Selenium	10/17/19 18:52	10/17/19 18:55	--	0.400	0.381	0.381	95	95	0	80-120	20	--
TCLP Silver	10/17/19 18:52	10/17/19 18:55	--	0.400	0.358	0.386	90	97	8	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-002 **Date of Extraction:** 10/16/19 17:20

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Mercury	10/18/19 13:48	10/18/19 13:49	0.00	0.0500	0.0492	0.0517	98	103	5	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: 24628-003 **Date of Extraction:** 10/16/19 17:20

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Mercury	10/18/19 13:54	10/18/19 13:56	0.00	0.0500	0.0516	0.0527	103	105	2	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B/7471A/7470A**

Laboratory Sample #: IR1016192 **Date of Extraction:** 10/16/19 17:20

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Mercury	10/18/19 13:43	10/18/19 13:45	--	0.0500	0.0538	0.0515	108	103	4	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

D2 = Sample required dilution due to high concentration of target analyte.

D4 = Minimum Reporting Limit (MRL) adjusted to reflect sample amount received and analyzed.

M1 = Matrix spike recovery was high, the associated blank spike recovery was acceptable.

24628-002	6010B	Mercury	MS	
24628-002	8082	PCB-1016	MSD	Non target compunds in martix causing high values.
24628-002	8082	PCB-1260	MS/MSD	Non target compunds in martix causing high values.
24628-003	6010B	Arsenic	MSD	
24628-003	8082	PCB-1260	MS	

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

24628-002	6010B	Thallium	MSD
24628-003	6010B	Thallium	MS/MSD
24628-003	TCLP 8270C	1,2,4-Trichlorobenzene	MS
24628-003	TCLP 8270C	1,4-Dichlorobenzene	MS

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

24628-002	6010B	Aluminum	MS/MSD
24628-002	6010B	Calcium	MS/MSD
24628-002	6010B	Chromium	MS/MSD
24628-002	6010B	Cobalt	MS/MSD
24628-002	6010B	Copper	MS/MSD
24628-002	6010B	Iron	MS/MSD
24628-002	6010B	Lead	MS/MSD
24628-002	6010B	Magnesium	MS/MSD
24628-002	6010B	Manganese	MS/MSD
24628-002	6010B	Nickel	MS/MSD
24628-002	6010B	Potassium	MS/MSD
24628-002	6010B	Zinc	MS/MSD
24628-003	6010B	Aluminum	MS/MSD
24628-003	6010B	Barium	MS/MSD
24628-003	6010B	Calcium	MS/MSD
24628-003	6010B	Chromium	MS/MSD
24628-003	6010B	Copper	MS/MSD
24628-003	6010B	Iron	MS/MSD
24628-003	6010B	Lead	MS/MSD
24628-003	6010B	Magnesium	MS/MSD
24628-003	6010B	Manganese	MS/MSD
24628-003	6010B	Nickel	MS/MSD
24628-003	6010B	Potassium	MS/MSD
24628-003	6010B	Zinc	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

24628-002	8081A	Heptachlor	MS/MSD
24628-002	8082	PCB-1016	MS/MSD
24628-002	TCLP 8260B	Toluene	MS/MSD
24628-002	TCLP 8270C	1,2,4-Trichlorobenzene	MS/MSD

Data Qualifier Definitions

Qualifier

24628-002	TCLP 8270C	1,4-Dichlorobenzene	MS/MSD
24628-002	TCLP 8270C	2-Chlorophenol	MS/MSD
24628-002	TCLP 8270C	Phenol	MS/MSD
24628-003	8082	PCB-1260	MS/MSD
24628-003	TCLP 8270C	1,2,4-Trichlorobenzene	MS/MSD
24628-003	TCLP 8270C	1,4-Dichlorobenzene	MS/MSD
24628-003	TCLP 8270C	4-Nitrophenol	MS/MSD
24628-003	TCLP 8270C	N-Nitrosodi-n-propylamine	MS/MSD
24628-003	TCLP 8270C	Phenol	MS/MSD

S5 = Surrogate recovery was below laboratory acceptance limits.

24628-007	TCLP 8270C	Nitrobenzene-d5

S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The associated blank spike recovery was acceptable.

Definition of terms:

R1	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: _____ Page: 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Weston Solutions	Project Name:	Dededo Transfer Station, Guam
Send Report To:	Rick Mehl	Project Number:	20905.016.024.0034
Email:	rick.mehl@westonsolutions.com	PO #:	
Address:	2300 Clayton Rd, Suite 900 Concord, CA 94520	Address (City / State):	Tustin, CA
		EDD Required:	YES: see files provided by Weston for EDD
Phone:	847-254-6981 Fax:	Sampled By:	R. Mehl

ANALYSIS REQUEST / PRESERVATION

Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	TAL Metals (6010B/7471A)	PCBs (8082)	TPH-g (8215B)	TPH-d (8260)	Asbestos (600/R-93/116)	TCLP Metals (1131/6010B/7470A)	TCLP SVOCs (1131/8270C)	TCLP VOCs/GRO (6260C)	Organochlorine Pesticides (8081B)		REMARKS / INSTRUCTIONS
DWS-9-07-1-A	5	10/03/19	1106	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		All VOA 40ml sample jars
DWS-3-05-1-A	5	10/03/19	1100	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		bubbled up on contact with
DWS-4-04-3-A	5	10/03/19	1116	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		sample soil. All 40ml jars
DWS-3-01-4-A	5	10/03/19	1000	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		under small pressure.
DWS-4-03-6-A	5	10/03/19	1118	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
DWS-3-08-15-A	5	10/03/19	1051	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
DWS-3-07-1-A	5	10/03/19	1106	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
DWS-3-03-1-A	5	10/03/19	1025	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
DWS-3-06-1-A	5	10/03/19	1104	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
DWS-3-04-2-A	5	10/03/19	1027	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		
DWS-3-02-1-A	5	10/03/19	1020	Soil	2-8oz/3-40ml	X	X	X	X	X	X	X	X	X		

REQUESTED TURN-AROUND-TIME

Standard: _____
72 Hour: _____
48 Hour: _____
24 Hour: _____

No. of Samples: 70 Method of Shipment: Fedex FedEx

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By	Date / Time	Received By	Date / Time
Relinquished By: Rick Mehl Company: Weston Solutions	Date: 10/4/19 Time: 1120	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: Company: OCACA	Date: 10/10/19 Time: @11:20

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
AQ - Aqueous
SS - Soil / Solid
OT - Other IR#1

Sample Integrity: 1.6-0.2=
Intact: ✓ Blue
On Ice: Yes / No @ 1.4°c

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference WST 24628 Logged in by MM

Received:	10/10/19 11:20	Company Name:	Weston Solutions, Inc.
Method of Shipment:	FEDEX	Project Manager:	Mr. Rick Mehl
Shipping Container:	Cooler	Project Name:	Dededo Transfer Station, Guam
# Shipping Containers:	1	Project #:	20905.016.024.0034

Sample Quantity
11 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☐	Yes, Blue ☑	No ☐
Observed Temp. (°C): 1.6	Thermometer ID: IR#1	Adjusted Temp.:	1.6+(-0.2)=1.4
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331921750
Customer ID: 32ORAN77
Customer PO:
Project ID:

Attention: Mark Noorani
Orange Coast Analytical, Inc.
3002 Dow Avenue
Suite 532
Tustin, CA 92780
Project: 20905.016.024.0034

Phone: (714) 832-0064
Fax: (714) 832-0067
Received Date: 10/12/2019 10:20 AM
Analysis Date: 10/21/2019
Collected Date: 10/03/2019

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
DWS-9-07-1-A *331921750-0001*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-05-1-A *331921750-0002*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-4-04-3-A *331921750-0003*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-01-4-A *331921750-0004*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-4-03-6-A *331921750-0005*		Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-08-15-A *331921750-0006*		Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-07-1-A *331921750-0007*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-03-1-A *331921750-0008*		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-06-1-A *331921750-0009*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-04-2-A *331921750-0010*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
DWS-3-02-1-A *331921750-0011*		Brown Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					

Initial report from: 10/21/2019 10:33:48

LA Testing

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LA Testing Order:	331921750
Customer ID:	32ORAN77
Customer PO:	
Project ID:	

Analyst(s)

Dennies Ly (11)

Michael DeCavallas, Laboratory Manager
or Other Approved Signatory

Initial report from: 10/21/2019 10:33:48

OrderID: 331921750

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#331921750

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA
92649
PHONE: (714)828-4999
FAX: (714)761-2713

Company : Orange Coast Analytical	LA Testing-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 3002 Dow Ave, Ste 532	*Third Party Billing requires written authorization from third party*
City: Tustin / State/Province: CA	Zip/Postal Code: 92780 / Country: USA
Report To (Name): Mark Noorani	Fax #:
Telephone #: 7148320064	Email Address: markn@ocalab.com, ocalab@sbcglobal.net
Project Name/Number: 20905.016.024.0034	
Please Provide Results: ☐ Fax ☒ Email / Purchase Order: 24628	U.S. State Samples Taken: Yes

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hours ☐ 6 Hours ☐ 24 Hrs ☐ 48 Hrs ☐ 3 Days ☐ 4 Days ☒ 5 Days ☐ 10 Days

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other: Bulk via EPA 600/R-93/116
☒ PLM ~~Quantitative~~

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	DWS-9-07-1-A		10/3/19 @ 1106
	DWS-3-05-1-A		10/3/19 @ 1100
	DWS-4-04-3-A		10/3/19 @ 1116
	DWS-3-01-4-A		10/3/19 @ 1000
	DWS-4-03-6-A		10/3/19 @ 1118
	DWS-3-08-15-A		10/3/19 @ 1051
	DWS-3-07-1-A		10/3/19 @ 1106
	DWS-3-03-1-A		10/3/19 @ 1025

Client Sample # (s): - **Total # of Samples:**

Relinquished (Client): Mark Noori **Date:** **Time:**

Received (Lab): AN(WI) **Date:** 10/2/19 **Time:** 10:20

Comments/Special Instructions:

Page 1 of 2 pages

Controlled Document – Asbestos COC – R1 – 3/18/2009

Please analyze sample by Asbestos analysis of bulk materials via EPA 600/R-93/116 using PLM

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#331921750

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA 92649
PHONE: (714)828-4999
FAX: (714)761-2713

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	DWS-3-06-1-A		10/3/19 @ 1104
	DWS-3-04-2-A		10/3/19 @ 1027
	DWS-3-02-1-A		10/3/19 @ 1020

*Comments/Special Instructions:

Controlled Document – Asbestos COC – R1 – 3/18/2009