TETRA TECH

April 23, 2013

Mr. Todd Davis
Site Assessment Manager
U.S. Environmental Protection Agency, Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

Subject: **Phase II Targeted Brownfields Assessment**
KCMO Municipal Farms
Municipal Correctional Institute at 8100 Ozark Road in Kansas City, Missouri
EPA Region 7, START 3, Contract No. EP-S7-06-01, Task Order No. 0002.015.022
Task Monitor: Todd Davis, Site Assessment Manager

Dear Mr. Davis:

Tetra Tech, Inc. (Tetra Tech) is submitting the attached Phase II Targeted Brownfields Assessment (TBA) report regarding the former Municipal Correctional Institute in Kansas City, Missouri. The TBA includes an investigation to confirm or eliminate recognized environmental conditions specified in the Phase I TBA report prepared by Tetra Tech in January 2013.

If you have any questions or comments regarding this submittal, please call the project manager at (816) 412-1788.

Sincerely,

David Zimmerman, CHMM
START Project Manager

Ted Faile, PG, CHMM
START Program Manager

Enclosures

cc: Roy Crossland, START Project Officer (cover letter only)

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PHASE II TARGETED BROWNFIELDS ASSESSMENT REPORT

MUNICIPAL CORRECTIONAL INSTITUTE
8100 OZARK ROAD, KANSAS CITY, MISSOURI

Superfund Technical Assessment and Response Team (START) 3

Contract No. EP-S7-06-01, Task Order No. 0002.015.022

Prepared For:

U.S. Environmental Protection Agency
Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

April 23, 2013

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EXECUTIVE SUMMARY

The Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase II Targeted Brownfields Assessment (TBA) of the approximately 21.8-acre former Municipal Correctional Institute (MCI) at 8100 Ozark Road in Kansas City, Jackson County, Missouri (subject property). The City of Kansas City, Missouri (City) requested assessment assistance under the TBA program from EPA Region 7 for assessment prior to redevelopment of the former MCI, which is a part of the Municipal Farms redevelopment area. The Conceptual Land Use Plan (CLUP) developed for the Municipal Farms site indicates the former MCI is most suited for mixed use residential future development (City 2012b). START conducted this Phase II TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, ASTM International (ASTM) designation E1903-97-11, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

Tetra Tech EM Inc. conducted a Phase I TBA of the subject property in November 2012, identifying the following environmental concerns and recognized environmental conditions (REC) associated with the subject property (Tetra Tech EM Inc. 2013):

- The subject property was listed in the environmental response tracking database SPILLS, for an incident reported in June 1999. Limited information is provided in the environmental database. A concerned citizen submitted a complaint to the State of Missouri that a sewer pipe from the former MCI facility routinely broke, resulting in a discharge of sewage to Round Grove Creek. Due to the limited information available, the alleged discharge of wastewater to the Round Grove Creek from historical operations of the MCI is considered an environmental concern to the subject property.

- The former Men's Reformatory structure and MCI appear on the subject property on the aerial photographs. The Men's Reformatory and MCI both housed a tank that contained a petroleum product according to the fire insurance maps and the environmental database search. The Men's Reformatory and MCI likely used pesticides and other chemicals during grounds keeping activities. However, normal use and application of pesticides and other chemicals generally does not trigger enforcement actions, assessments by regulatory agencies, or recommendation for further assessment of the subject property unless evidence indicates misuse, dumping, or improper storage of chemicals. No indications have been found of these types of activities or of on-site agricultural chemical mixing, large-quantity storage, or materials processing at the subject property. The possibility that historical releases of petroleum products occurred from either the Men's Reformatory or MCI poses a REC to the subject property.

- Review of city directories identified the following facilities at the subject property address of 8100 Ozark Road: the MCI, Women's Reformatory, and Kansas City Municipal Farm. It is unclear whether the subject property was included in the Municipal Farm land, and if so, what was applied to the land. The MCI housed a tank that contained a petroleum product according to the

environmental database search. The MCI, Women's Reformatory, and Kansas City Municipal Farm likely used pesticides and other chemicals during groundskeeping activities. However, normal use and application of pesticides and other chemicals generally does not trigger enforcement actions, assessments by regulatory agencies, or recommendation for further assessment of the subject property unless evidence indicates misuse, dumping, or improper storage of chemicals. No indications have been found of these types of activities or of on-site agricultural chemical mixing, large-quantity storage, or materials processing at the subject property. The possibility that historical releases of petroleum products occurred during use of the subject property poses a REC to the subject property.

- Review of the Fire Insurance Maps identified the following facilities on the subject property: Men's Reformatory, pig sties, a feed building, stable and garage, canning factory, dwellings, poultry houses, and a hot bed. The Men's Reformatory structure did contain a 30-gallon tank of some sort of oil enclosed in concrete. Pesticides and other chemicals likely were used during grounds keeping activities near the pig sties, feed building, stable and garage, and canning factory. However, normal use and application of pesticides and other chemicals generally does not trigger enforcement actions, assessments by regulatory agencies, or recommendation for further assessment of the subject property unless evidence indicates misuse, dumping, or improper storage of chemicals. No indications have been found of these types of activities or of on-site agricultural chemical mixing, large-quantity storage, or materials processing at the subject property. The possibility of historical releases of petroleum products from the Men's Reformatory tank poses a REC to the subject property.

- According to a previous Phase I Environmental Site Assessment (ESA) (Tetra Tech EM Inc. 2011a) prepared for the Municipal Garden Farm Community Garden, the subject property had been developed as an orchard based on the review of a 1952 aerial photograph. This aerial photograph was not reviewed as part of the November 2012 Phase I TBA.

- A Phase II ESA was completed for the Municipal Garden Farm Community Garden in April 2011 (Tetra Tech EM Inc. 2011b). Based on the limited sampling during the Phase II ESA near the proposed municipal garden, the soil did not appear to have been affected by historical activities within the area where the community garden was proposed or within adjacent properties. Pesticides and/or chemical fertilizers are commonly used on orchards. Because sampling previously conducted as part of the Phase II ESA of the municipal garden was limited, the possibility of historical releases of hazardous materials or hazardous waste at the subject property poses a REC to the subject property.

The Municipal Farm Sustainable Reuse Plan, prepared by the City and several stakeholders, provides a path to revitalize the city-owned property at Municipal Farm. The sustainable reuse plan recommends a preliminary environmental assessment of the former agricultural use sub-areas, former canning factory sub-area, former city workhouse, and former MCI facility. The plan recommends additional historical research and interviews with local experts related to the former Municipal Farm activities, specifically regarding the former canning factory sub-area, areas of maintenance and storage, feed house locations, former orchard sub-area, and two correctional institutes. The plan also recommends additional investigations of the former agricultural use sub-area, including sampling of the sediment and drainage relief point downgradient of most of the area.

To summarize, the possibility of releases of past petroleum product from the Men's Reformatory and MCI tanks poses RECs to the subject property. In addition, the possibility of past hazardous material or hazardous waste releases from neighboring commercial and industrial facilities poses a REC to the subject property.

The purpose of this Phase II TBA was to determine if historical activities at the subject property had impacted soils and groundwater at and around RECs. During this Phase II TBA at the subject property, soil samples were collected to determine environmental impacts. Analytical results were compared to EPA Regional Screening Levels (RSL) for residential soil and industrial soil, and to Missouri Risk-Based Corrective Action (MRBCA) Tier 1 target levels for residential and non-residential land use for clayey soil types.

Findings and recommendations are as follows:

Based on sampling during this Phase II TBA, arsenic and several semivolatile organic compounds (SVOC), specifically polycyclic aromatic hydrocarbons (PAH), are present in soils at the subject property. However, the arsenic is well below the mean background concentration for Jackson County, Missouri (U.S. Geological Survey [USGS] 2012a). Although benzo(a)pyrene was detected at concentrations above all benchmark values, it is a common compound found in urban environments. Other sources of this PAH are vehicle exhaust and pavement sealcoat (potentially from the road running along the subject property boundary and the parking lot used for municipal garden activity and former MCI facility); burning of vegetation (a likely possibility at this undeveloped site with large amounts of vegetation); and fertilization with burned material, such as ashes (possibly used at the municipal garden). In addition, the single surface soil sample containing benzo(a)pyrene at a concentration above all benchmarks (sample SS-5) was collected from a drainage area on the subject property, at which more widespread, diluted levels of this contaminant could be concentrating. As a result, Tetra Tech recommends no further sampling at the subject property.

1.0 INTRODUCTION

The Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase II Targeted Brownfields Assessment (TBA) of the approximately 21.8-acre former Municipal Correctional Institute (MCI) at 8100 Ozark Road in Kansas City, Jackson County, Missouri (subject property). The City of Kansas City, Missouri (City) requested assessment assistance under the TBA program from EPA Region 7 for assessment prior to redevelopment of the former MCI. The Conceptual Land Use Plan (CLUP) developed for the Municipal Farms site indicates the former MCI is most suited for mixed use residential future development (City 2012b). START conducted this Phase II TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, ASTM International (ASTM) designation E1903-97-11, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

1.1 PURPOSE

The purpose of this Phase II TBA was to determine if historical activities at the subject property had impacted soil and groundwater at and around recognized environmental conditions (REC) specified during a Phase I TBA of the subject property Tetra Tech EM Inc. conducted in November 2012 (Tetra Tech EM Inc. 2013). The subject property is currently vacant except for some improved roadways and a parking lot associated with the previous development, a radio tower, and a municipal garden. Historically, the former MCI and Men's Reformatory were present here. During this Phase II TBA at the subject property, soil samples were collected to confirm or eliminate RECs. Analytical results were compared to EPA Regional Screening Levels (RSL) for residential soil and industrial soil, and to Missouri Risk-Based Corrective Action (MRBCA) target levels and Tier 1 target levels for residential land use for clayey soil types.

1.2 SPECIAL TERMS AND CONDITIONS

There were no special terms or conditions for the TBA.

2.0 BACKGROUND AND SITE HISTORY

This section provides a brief description of the site: the physical setting, including geology, hydrogeology, and hydrology; site history and land use; adjacent land use; and a summary of previous assessments.

2.1 SITE DESCRIPTION AND FEATURES

The subject property is an approximately 21.8-acre tract of land at 8700 Ozark Road in Kansas City, Jackson County, Missouri (see Figure 1, Appendix A). According to the City of Kansas City, Missouri KC Mapper website, the legal description for the tract of land that encompasses the subject property is "Sec 30-49-32 NW ¼, all that pt of NW ¼ ly E of Eastern Avenue and North of Ozark Road and swly of Raytown Road (ex W 180 thof)" (City 2012a). The subject property is depicted on the U.S. Geological Survey (USGS) 7.5 minute series Independence, Missouri, topographic quadrangle map (USGS 1996) in northwest ¼, Section 30, Township 49 north, Range 32 west (see Figure 1, Appendix A). The coordinates at the approximate center of the property are 39° 2' 24.88" north latitude and 94° 29' 26.08" west longitude (Google Earth 2012).

The subject property is currently vacant land except for some improved roadways and a parking lot associated with the previous development, a radio tower, and a municipal garden. The former Men's Reformatory was north of the former MCI. According to the historical fire insurance maps, the Men's Reformatory was constructed between 1911 and 1914 (Tetra Tech EM Inc. 2011a). The Men's Reformatory was used by the City until the 1960s and was demolished in 1991 (Environmental Advisors and Engineers, Inc. [EAE] 2012). At least one 30-gallon gasoline tank in a concrete box was on the west side of the Men's Reformatory main building (Tetra Tech EM Inc. 2011a).

The former MCI was on 9.7 acres of land on the north side of Ozark Road. Construction of the correctional institute began in 1968. It was completed and occupied in May 1971. The structures were abated for asbestos and demolished in 2011 (EAE 2012). The environmental database report indicated that a 5,000-gallon underground storage tank (UST) had been removed from the MCI in 1994. A maintenance building was reportedly present along the southern boundary of the current location of the community garden. The maintenance building reportedly stored gas, diesel, oil-based and latex paint, auto lubricants, antifreeze, paint thinner, and other miscellaneous solvents and cleaners (Tetra Tech EM Inc. 2011a).

2.2 PHYSICAL SETTING

The subject property is part of a lightly developed area with an adjoining residential neighborhood in Kansas City, Missouri. The subject property is bounded north by a vacant wooded land, an animal shelter, Round Grove Creek former City landfill, and Raytown Road beyond; northeast by vacant land with woods beyond; east by trees and Ozark Road beyond; south by Ozark Road with residential development beyond; west by vacant wooded land with the Army National Guard Armory beyond; and northwest by woods, the former Municipal Farms, and City of Kansas City Missouri Health Emergency Hazmat Site (HEHS), with the Kansas City Police Department Helicopter and Canine Unit beyond (see Figure 2, Appendix A).

Jackson County is within the west-central part of Missouri, in the Iowa and Missouri Deep Loess Hills Resource Area of the Central Feed Grains and Livestock Region of the United States. The Missouri River is the northern boundary of the county. The northern part of the county is the nearly level flood plain of the Missouri River. Adjacent to the flood plain and south are moderately sloping to steep, loess-covered bluffs and hills. The rest of the county consists of gently sloping to moderately sloping uplands and flood plains of the Blue River, Little Blue River, Sni-A-Bar Creek, and their tributaries (U.S. Department of Agriculture [USDA] 1984).

Elevations in Jackson County range from 1,105 feet above mean sea level (amsl) on the divide in the south-central part of the county to 690 feet amsl at normal water level on the Missouri River at the county line on the eastern side of the county (USDA 1984). Based on a review of the USGS 7.5-minute series Independence, Missouri, topographic quadrangle map (USGS 1996), the subject property ranges from approximately 886 to 920 feet amsl. The subject property appears flat to gently sloping. Area topography slopes north and northeast toward Round Grove Creek.

2.2.1 Geologic Setting

Soils on the subject property consist of Knox-Urban Land complex and Knox silty clay loam. The Knox Urban Land complex has 5- to 9-percent slopes. The typical soil profile is 0 to 6 inches silt loam, 6 to 46 inches silty clay loam, and 46 to 80 inches silt loam. The Knox silty clay loam has 9- to 14-percent slopes that are severely eroded. The typical soil profile is 0 to 4 inches silty clay loam, 4 to 54 inches silty clay loam, and 54 to 60 inches silt loam (USDA 2011b). Based on the ALS Environmental (ALS) Particle Size Distribution report (Appendix D) and the USDA Textural Classification Chart (USDA 2011a), soil at the subject property is classified as Soil Type 3 (Clayey).

The upper bedrock formation in the vicinity of the subject property consists of the middle Kansas City Group, Missourian Series, Pennsylvania System (Missouri Bureau of Geology and Mines 1917). Underlying the Kansas City Group are the shales of the Pleasanton Group. Underlying the Pleasanton Group are predominantly shales of the Marmaton and Cherokee Groups of the Desmoinesian Series (Missouri Department of Natural Resources [MDNR] 1997). Maximum thicknesses of these groups are as follows: Kansas City Group, 135 feet; Pleasanton Group, 150 feet; and Marmaton Group, 190 feet (Stohr, St. Ivany, and Williams 1981).

2.2.2 Hydrogeology

Local Pennsylvanian-age bedrock units generally yield low quantities of marginal quality groundwater high in dissolved solids—particularly chlorides, iron, and bicarbonates (Stohr, St. Ivany, and Williams 1981). Water for the subject property is supplied by the City of Kansas City, Missouri, Water Department, and is obtained from the Missouri River and groundwater sources near the river.

Mississippian and Pennsylvania formations form the bedrock aquifers in this region. The Pennsylvanian aquifers are characterized by water table conditions; however, because of the geologic structure in the region, artesian conditions may exist locally in shallow wells. Artesian conditions exist in deeper wells that were drilled to Ordovician bedrock. Water yields are low—1 to 15 gallons per minute (gpm)—and the water is high in chlorides, sodium, iron, bicarbonates, and other dissolved solids. Water yields increase in deeper wells, but quality decreases significantly with depth. Water table depths in the alluvium and terraces of the flood plains in the region are 20 to 30 feet (Stohr, St. Ivany, and Williams 1981).

Mississippian and older bedrock aquifers exhibit leaky artesian conditions; however, water table conditions exist near the border of the Ozark Plateaus. Water yields vary from 25 to a few hundred gpm. Water quality is the highest near the eastern border of the Osage Plains and decreases toward the northwest, with increasing concentrations of chlorides, sodium, and other dissolved solids. Recharge is by regional water movement from the Ozark Plateaus and by limited infiltration of precipitation (Stohr, St. Ivany, and Williams 1981).

Numerous drainageways dissect the bedrock in this area and flow into the Blue River. The site is on a hilltop that slopes downward to the north-northeast, and shallow groundwater likely perches seasonally at the top of bedrock. Transient water also may be encountered within fracture zones and along bedding planes, and frequently discharges at bedrock outcrops.

Environmental Data Resources, Inc. (EDR), a START subcontractor, identified one federal USGS water well within 1 mile of the subject property by searching state and USGS database listings; no other water wells were listed in any federal or state database. The reported total depth of the well is 36 feet below ground surface (bgs). Static water levels were not provided for the wells, and EDR extracted no data on groundwater flow and velocity (EDR 2012). In the absence of site-specific data or other indicators, the direction of groundwater flow may be inferred from the regional topographic gradient. Therefore, shallow groundwater flow is inferred to the north, in the direction of the topographic gradient and surface water flow.

2.2.3 Hydrology

The subject property is in the Lower Missouri - Crooked watershed (USGS Cataloging Unit 10300101) (USGS 2012b). Surface water on the subject property appears to follow surface topography and either infiltrates the ground or flows north about 0.25 mile toward Round Grove Creek. Round Grove Creek flows west-northwest about 1.2 miles where it discharges to the Blue River. The Blue River flows north-northeast for about 6.5 miles where it discharges to the Missouri River. Runoff from the subject property generally follows regional topography to the north toward Round Grove Creek.

2.3 SITE HISTORY AND LAND USE

The subject property is currently vacant land except for some improved roadways and a parking lot associated with the previous development, a radio tower, and an approximate 3-acre municipal garden. The former Men's Reformatory was north of the former MCI. According to the historical fire insurance maps, the Men's Reformatory was constructed between 1911 and 1914 (Tetra Tech EM, Inc. 2011a). The Men's Reformatory was used by the City until the 1960s and was demolished in 1991 (EAE 2012). At least one 30-gallon gasoline tank in a concrete box was on the west side of the Men's Reformatory main building (Tetra Tech EM, Inc. 2011a).

The former MCI was on 9.7 acres of land on the north side of Ozark Road. Construction of the correction institute began in 1968. It was completed and occupied in May 1971. The structures were abated for asbestos and demolished in 2011 (EAE 2012). The environmental database report indicated that a 5,000-gallon UST had been removed from the MCI in 1994. A maintenance building was reportedly present along the southern boundary of the current location of the community garden. The maintenance building reportedly stored gas, diesel, oil-based and latex paint, auto lubricants, antifreeze, paint thinner, and other miscellaneous solvents and cleaners (Tetra Tech EM Inc. 2011a).

2.4 ADJACENT PROPERTY USE

Currently, the subject property is bounded north by vacant wooded land, east by a vacant land with Ozark Road beyond, south by Ozark Road with residential development beyond, and west and northwest by woods, the former Municipal Farms, and the HEHS. A review of historical documents indicates the area surrounding the subject property has been used for a variety of residential and municipal purposes.

The possibility of past hazardous material or hazardous waste releases from neighboring commercial and industrial facilities poses a REC to the subject property.

2.5 SUMMARY OF PREVIOUS ASSESSMENTS

In May 2010, surface soil samples were collected from the subject property and field screened for Resource Conservation and Recovery Act (RCRA) metals using an x-ray fluorescence (XRF) analyzer. The sampling and analysis was performed by the Soil Chemistry Laboratory, Department of Agronomy, Kansas State University (KSU). KSU concluded that no significant concentrations had been identified inconsistent with future use as a community garden (KSU 2010), but recommended followup testing for possible pesticides such as dichlorodiphenyltrichloroethane (DDT) and dichlorodiphenyldichloroethene (DDE) (City 2010).

A Phase I Site Characterization report (Burns & McDonnell 1994), Investigation Addendum Report and Remedial Action Plan (Burns & McDonnell 1995), Closure Plan (Burns & McDonnell 1996), and a Summary of Closure Corrective Action Sampling Results (Burns & McDonnell 1997) were prepared on behalf of the City by Burns & McDonnell Waste Consultants, Inc., regarding the HEHS. The HEHS is northwest of the subject property across a drainage ravine. In the mid-1980s, the City Health Department began to use a small, rectangular, fenced-in area that contained two structures to store household hazardous waste (HHW), school laboratory waste, and other hazardous wastes generated by City operations and hazardous materials (hazmat) cleanups. This site had not been permitted to accept or store hazardous waste. In November 1993, the City received a Notice of Violation (NOV) from the MDNR after an inspection found numerous violations. The State sought an assessment of penalties for the City's non-compliance. The State and the City agreed to settle the matter by entering into a Consent Decree. A deed restriction has also been filed for the HEHS property. Since that time, the HEHS property has been sampled, all the structures have been demolished, the contaminated soil has been excavated, and the State has approved site closure (City 2008). The subject property is not included in the deed restriction (Burns & McDonnell Waste Consultants Inc. 1999). A valley is between the HEHS and the subject

property. Because the HEHS site was remediated and the state approved closure, this site does not pose a REC to the subject property.

In March 2011, Tetra Tech prepared a Phase I Environmental Site Assessment (ESA) on behalf of the City for the Municipal Garden Farm Community Garden project, which is included in the subject property boundaries (Tetra Tech EM Inc. 2011a), followed by a Phase II ESA there (Tetra Tech EM Inc. 2011b). Subsequently, in November 2012, Tetra Tech conducted a Phase I TBA at the subject property, identifying the following findings, environmental concerns and RECs, many of which were identical to those reported in the March 2011 Phase I ESA and April 2011 Phase II ESA:

- The subject property was listed in the SPILLS database for an incident reported in June 1999. Limited information is provided in the environmental database. A concerned citizen submitted a complaint to the State of Missouri that a sewer pipe from the former MCI facility routinely broke, resulting in a discharge of sewage to Round Grove Creek. Due to the limited information available, the alleged discharge of wastewater to the Round Grove Creek from historical operations of the MCI is considered an environmental concern to the subject property.

- The former Men's Reformatory structure and MCI appear on the subject property on the aerial photographs. The Men's Reformatory and MCI both housed a tank that contained a petroleum product according to the fire insurance maps and the environmental database search. The Men's Reformatory and MCI likely used pesticides and other chemicals during grounds keeping activities. However, normal use and application of pesticides and other chemicals generally does not trigger enforcement actions, assessments by regulatory agencies, or recommendation for further assessment of the subject property unless evidence indicates misuse, dumping, or improper storage of chemicals. No indications have been found of these types of activities or of on-site agricultural chemical mixing, large-quantity storage, or materials processing at the subject property. The possibility that historical releases of petroleum products occurred from either the Men's Reformatory or MCI poses a REC to the subject property.

- Review of city directories identified the following facilities at the subject property address of 8100 Ozark Road: the MCI, Women's Reformatory, and Kansas City Municipal Farm. It is unclear whether the subject property was included in the Municipal Farm land, and if so, what was applied to the land. The MCI housed a tank that contained a petroleum product according to the environmental database search. The MCI, Women's Reformatory, and Kansas City Municipal Farm likely used pesticides and other chemicals during groundskeeping activities. However, normal use and application of pesticides and other chemicals generally does not trigger enforcement actions, assessments by regulatory agencies, or recommendation for further assessment of the subject property unless evidence indicates misuse, dumping, or improper storage of chemicals. No indications have been found of these types of activities or of on-site agricultural chemical mixing, large-quantity storage, or materials processing at the subject property. The possibility that historical releases of petroleum products occurred during use of the subject property poses a REC to the subject property.

- Review of the Fire Insurance Maps identified the following facilities on the subject property: Men's Reformatory, pig sties, a feed building, stable and garage, canning factory, dwellings, poultry houses, and a hot bed. The Men's Reformatory structure did contain a 30-gallon tank of

some sort of oil enclosed in concrete. Pesticides and other chemicals likely were used during grounds keeping activities near the pig sties, feed building, stable and garage, and canning factory. However, normal use and application of pesticides and other chemicals generally does not trigger enforcement actions, assessments by regulatory agencies, or recommendation for further assessment of the subject property unless evidence indicates misuse, dumping, or improper storage of chemicals. No indications have been found of these types of activities or of on-site agricultural chemical mixing, large-quantity storage, or materials processing at the subject property. The possibility of historical releases of petroleum products from the Men's Reformatory tank poses a REC to the subject property.

- According to the previous Phase I ESA by Tetra Tech EM Inc. prepared for the Municipal Garden Farm Community Garden, the subject property had been developed as an orchard based on the review of a 1952 aerial photograph. This aerial photograph was not reviewed as part of the November 2012 Phase I TBA.

- During Tetra Tech EM Inc.'s Phase II ESA of the Municipal Garden Farm Community Garden in April 2011, no groundwater was encountered, but soil samples were collected and analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO), RCRA metals, and pesticides. Based on this limited sampling during the Phase II ESA near the proposed municipal garden, the soil did not appear to have been affected by historical activities within the area of the proposed community garden or within adjacent properties. Pesticides and/or chemical fertilizers are commonly used on orchards. Because sampling previously conducted as part of the Phase II ESA of the municipal garden was limited, the possibility of historical releases of hazardous materials or hazardous waste at the subject property poses a REC to the subject property.

The following findings from the March 2011 Phase I ESA (Tetra Tech 2011a) were identified (the subject property refers to the location of the current-day municipal garden):

- Review of city directories identified the following facilities neighboring the subject property: City MCI, Women's Reformatory, Malaria Research facility, Kansas City Municipal Farm, and the Kansas City Rat Control Laboratory. It is unclear whether the subject property was included in the Municipal Farm land. If the subject property was part of the Municipal Farm, it is unknown what was applied to the land. Use of the subject property other than potential recreational/green space by the MCI is unknown. The City Municipal Correction Institution housed a tank that contained a petroleum product according to the environmental database search. The City MCI, Women's Reformatory, Malaria Research, Kansas City Rat Control Laboratory, and Kansas City Municipal Farm likely used pesticides and other chemicals during grounds keeping activities. The possibility that historical releases of petroleum products, hazardous materials, or hazardous waste occurred from adjacent facilities to the subject property poses a REC to the subject property.

- Based on interviews and historical documentation, the following were identified in close proximity to the subject property: HEHS and National Guard Armory. Because these facilities are crossgradient of the subject property, they do not pose a REC to the subject property.

EAE prepared an Area-Wide Brownfields Plan (AWBP) for the Municipal Farms properties to be used to facilitate sustainable reuse and development of the area. The AWBP includes known and potential

Brownfields concerns, prior assessment and cleanup activities, background environmental studies, and results of sampling in the area. Brownfields and areas of potential concern were highlighted in the AWBP. Both the former Men's Reformatory and MCI, which are on the subject property, were discussed in the AWBP. The AWBP outlined the history of each facility and recommended a Phase I ESA of these areas as a preliminary investigation. Following the initial investigation, targeted screening or Phase II ESA sampling was recommended to confirm presence of contamination at unacceptable levels. Possibly present contaminants within these CLUP areas are primarily petroleum-related contaminants, herbicides, pesticides, rodenticides, lead, and hazardous waste chemicals based on the former uses as a correctional institution, canning factory, agricultural use, and other Municipal Farm activities (EAE 2012).

The City provided a copy of the Municipal Farm Sustainable Reuse Plan prepared in 2012 by the City and several stakeholders. The plan provides a path to revitalize the city-owned property at Municipal Farm and the surrounding Eastwood Hills Neighborhood. The plan sets the stage for assessment and cleanup of known and potential Brownfields (including the subject property), restoration of the site's natural resources, and proactive, sustainable development that embraces research, innovation, and recreation. The subject property is discussed under the sections specific to CLUP areas 12 and 13. Based on the Sustainability Reuse Plan, the subject property is likely to be reused for mixed use residential development based on its location, physiography, and relationship to the land uses on the remainder of the Municipal Farm site. The sustainability use plan recommended a preliminary environmental assessment of the former agricultural use sub-areas, former canning factory sub-area, former city workhouse, and former MCI facility. The plan recommended additional historical research and interviews with local experts related to the former Municipal Farm activities, specifically regarding the former canning factory sub-area, areas of maintenance and storage locations, feed house locations, former orchard sub-area, and two correctional institutes. The plan also recommended additional investigations of the former agricultural use sub-area, including sampling of the sediment and drainage relief point downgradient of most of the area (City 2012b).

3.0 PHASE II TARGETED BROWNFIELDS ASSESSMENT ACTIVITIES

The purposes of this Phase II TBA were to determine if historical activities at the subject property had impacted surface soils at and around items posing RECs, and to determine whether building materials contained asbestos.

The following sections describe the scope of the Phase II TBA, and field exploration and methods. START team members (STM) Kaitlyn Bahr and Joanna Sciegienka conducted surface soil sampling on March 16, 2013. STMs Cosmo Canacari, Danny O'Connor, and Ashley Gleason conducted belowground soil and groundwater sampling on March 22, 2013.

3.1 SCOPE OF THE ASSESSMENT

STMs conducted environmental sampling to determine if soil and groundwater had been impacted by current or historical activities at the subject property. Photographs taken to document the Phase II TBA field activities are included in Appendix B. Phase II TBA activities were recorded in a site logbook included in Appendix C. Chain-of-custody records, field sheets, analytical data packages, and a data validation report are in Appendix D. Analytical summary tables appear in Appendix E. The sampling proceeded in accordance with an approved Quality Assurance Project Plan (QAPP) completed under Task Order 015.022 (Tetra Tech 2013).

3.1.1 Conceptual Site Model and Sampling Plan

The proposed sampling scheme for collection of soil and building material samples was biased/judgmental, in accordance with the *Guidance for Performing Site Inspections under Comprehensive Environmental Response Compensation and Liability Act (CERCLA)*, Office of Solid Waste and Emergency Response (OSWER) Directive #9345.1-05, September 1992; and the *Removal Program Representative Sampling Guidance, Volume 1: Soil*, OSWER Directive 9360.4-10, November 1991. The objectives were to characterize possible historical releases to the environment in anticipation of future development of the property. Surface soil samples were collected to determine if contamination leaves the site in stormwater runoff. Attempts to sample groundwater at two locations encountered refusal before reaching groundwater. Table E-1 summarizes samples collected during the Phase II TBA and the analyses performed. Subsurface soil sample labels include depths of collection.

3.1.2 Chemical Testing Plan

Laboratory analyses for chemical parameters were selected based on potential contaminants associated with current and historical uses of the subject property. Soil samples were submitted to ALS in Holland, Michigan, for analyses for following parameters: herbicides via EPA Method SW-846 8151; pesticides via EPA Method SW-846 8081; mercury via EPA Method SW-846 7471; RCRA metals via EPA Method SW-846 6020A; TPH-DRO, TPH-ORO, and SVOCs via EPA Method SW-846 8270; and VOCs including TPH-GRO via EPA Method SW-846 8260. Not all samples were analyzed for all parameters, as shown in Table E-1.

3.1.3 Deviations from the QAPP

Deviations from the QAPP and the rationale for these are as follows:

- START was unable to collect groundwater samples from the property because of probe refusal before encounter with groundwater.
- START collected surface soil sample SS-6 outside the subject property boundary in a drainage area to determine if concentrated contaminants in stormwater were traveling off site.

3.2 FIELD EXPLORATION AND METHODS

Field activities at the subject property occurred on March 16 and 22, 2013. The sections below summarize the soil sample collection that occurred.

3.2.1 Surface Soil Sampling

Surface soil samples were collected at six locations at the subject property during the Phase II TBA (see Appendix A, Figure 3). At each location, a composite surface soil sample (0 to 6 inches bgs) containing five aliquots was collected using disposable sampling equipment. At each sample location where VOCs and TPH-GRO were of concern, sampling was first conducted according to EPA Method 5035 guidelines for VOCs and TPH-GRO. Remaining soil (for analyses other than VOCs and TPH-GRO) was transferred to a disposable aluminum pie pan and homogenized with a disposable stainless steel spoon prior to transfer into an appropriate container.

Pertinent data, including sample locations, were recorded in the field log book (see Appendix C). All soil samples were stored in coolers maintained at temperatures at or below 4 degrees Celsius (°C).

3.2.2 Subsurface Soil Sampling

Soil samples were collected at six boring locations (SB-1, SB-2, SB- 3, SB-4, SB-5, and SB-6) to a maximum depth of 13 feet bgs before refusal (see Appendix A, Figure 3). Each borehole was advanced using a Geoprobe™ 4-foot-long Macro-Core® sampler fitted with a disposable polyvinyl chloride (PVC) liner. Soil samples were collected in accordance with Region 7 EPA Standard Operating Procedures (SOP) 4230.07: Geoprobe™ operations, SOP 4230.03: Sampling Soil for Determinations of Volatile Organic Compounds, and SOP 4231.2012: Soil Sampling. Each 4-foot core interval was screened by a hand-held photoionization detector (PID) for volatile organics. Two samples were collected: one from the bottom 2-foot section of the soil core and one from the interval inducing the highest PID readings or showing other evidence of contamination. If no elevated PID readings or other signs of contamination were noted, the second sample was collected from a default depth of 6-8 feet bgs. Each sample for laboratory analysis included a grab sample for analysis for VOCs and TPH-GRO collected in accordance with EPA SW 846 Method 5035, and consisted of two 5-gram soil aliquots in separate 40-milliliter (mL) vials preserved with sodium bisulfate, and one 5-gram soil aliquot in a 40 mL vial preserved with methanol. After collection of the grab samples, the remaining soil from each sample interval was placed in a disposable aluminum pie pan for homogenization, and then transferred to appropriate containers. The Geoprobe™ Macro-Core® sampler was decontaminated using an alconox/water solution, followed by a fresh water rinse. Decontamination rinse water was city-supplied water from Kansas City, Missouri. Pertinent data, including analyses to be performed and sample locations, were recorded in the field log book (see Appendix C). All soil samples were stored in coolers maintained at or below 4 °C.

3.2.3 Quality Control Sampling

One field blank and one equipment rinsate blank prepared with deionized (DI) water were submitted for the following analyses: VOCs, TPH-GRO, SVOCs, TPH-DRO, -ORO, pesticides, herbicides, and RCRA metals. In addition, two soil trip blanks (one for surface soil, one for subsurface soil) and one water trip blank supplied by ALS Environmental were analyzed for VOCs and TPH-GRO.

4.0 EVALUATION AND PRESENTATION OF RESULTS

Sections 4.1 and 4.2 summarize the analytical data from the surface soil and subsurface soil samples collected during the Phase II TBA. Soil sample results from this TBA were compared to their respective EPA RSLs for both residential and industrial soils (EPA 2012) and MRBCA Tier 1 target levels for residential and non-residential land use for clayey soil types (MDNR 2006). These values have been established to represent protective concentration thresholds of common environmental contaminants. Arsenic concentrations were also compared to mean background concentrations in Jackson County, Missouri (USGS 2012a). The complete analytical data packages for soil samples are included as Appendix D, and results are compared to screening values in Appendix E Tables E-2 through E-8. A level II data validation report completed by Tetra Tech is included in Appendix D.

4.1 SURFACE SOIL SAMPLES

As shown in Table E-2, no VOCs exceeded any benchmarks. The following PAH compounds exceeded one or more benchmarks: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene (Table E-3). Benzo(a)pyrene exceeded all benchmarks in surface soil sample SS-5. The only metal detected above a benchmark in surface soil was arsenic, but it was always found below the MRBCA Tier 1 target level for non-residential clayey soil and the USGS background concentration in Jackson County, MO (Table E-4). No pesticides exceeded any benchmark levels (Table E-5), and no herbicides were detected. For all constituent exceedances, see Table E-9 in Appendix E.

4.2 SUBSURFACE SOIL SAMPLES

As shown in Table E-6, no VOCs exceeded any benchmarks. The following PAH compounds exceeded one or more benchmarks: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene (Table E-7). No PAHs exceeded all benchmarks in any sample. The only metal detected above a benchmark in subsurface soil was arsenic, but it was always found below the MRBCA Tier 1 target level for non-residential clayey soil and the USGS background concentration in Jackson County, MO (Table E-8). For all constituent exceedances, see Table E-9 in Appendix E. Grain size analysis of sample SB-3 (7-9') revealed 0.84% sand, 52.00% silt, and 47.16% clay. Based on laboratory analysis and MRBCA soil classification guidelines (MDNR 2006), the soil at MCI can be classified as Soil Type 3 - Clayey.

4.3 QUALITY CONTROL SAMPLES

Although no groundwater was sampled from the subject property, one field blank and one equipment rinsate blank prepared with DI water were submitted for the following analyses: VOCs, TPH-GRO, SVOCs, TPH-DRO, TPH-ORO, pesticides, herbicides, and RCRA metals. The following metals were detected below quantitation limits ("J" coded) in the field blank: barium, chromium, lead, and selenium. The SVOCs butyl benzyl phthalate and di-n-butyl phthalate were also detected below quantitation limits in the field blank. The rinsate blank contained amounts of barium, chromium, and lead (metals) and bis(2-ethylhexyl)phthalate (SVOC) in concentrations below quantitation limits. The VOC toluene was found in trace amounts. In addition, ALS supplied one soil trip blank for surface soil and one soil trip blank and one water trip blank for subsurface soil and groundwater; all were analyzed for VOCs. Chloroform and toluene were detected below quantitation limits in the soil trip blank sample for surface soil sampling. Chloroform and methylene chloride were detected below quantitation limits in the soil trip blank sample for subsurface soil sampling. No VOCs were detected in the water trip blank. Concentrations detected were very small and considered laboratory contaminants; thus no qualifications to the data are required.

5.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

This section summarizes findings and conclusions of the Phase II TBA, and offers recommendations based on these results of the Phase II TBA.

5.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

No surface or subsurface soil samples contained levels of VOCs above EPA RSLs or MRBCA Tier 1 target levels. Of the surface and subsurface soil samples that contained elevated levels of SVOCs, only one surface soil sample (SS-5) exhibited concentrations exceeding MRBCA Tier 1 Residential benchmarks for clayey soil, with benzo(a)pyrene exceeding the MRBCA Tier 1 Non-residential benchmark for clayey soil. Benzo(a)pyrene is a common contaminant found in urban environments. Sources of this PAH include vehicle exhaust and pavement sealcoat (potentially from the road running along the subject property boundary and the parking lot used for municipal garden activity and former MCI facility); burning of vegetation (a likely possibility at this undeveloped site with large amounts of vegetation); and fertilization with burned material, such as ashes (potentially used at the municipal garden). Moreover, sample SS-5 was collected at a drainage area downhill from the parking lot and the municipal garden on the subject property; the drainage area could be concentrating more widespread, diluted levels of this contaminant and other SVOCs. For example, SS-5 exhibited the highest levels of TPH-DRO and TPH-ORO, common constituents in fuel. Surface soil sample SS-6, downhill of SS-5 but further away from the parking lot, did not exhibit the same levels of PAHs or TPH-DRO/TPH-ORO. Most likely, it is the parking lot, still in use, that is elevating the concentration of benzo(a)pyrene beyond benchmark levels. All soil samples had elevated levels of arsenic, but no arsenic concentration was above the MRBCA Tier 1 clayey non-residential target level or USGS background concentrations. Although pesticides and herbicides were a concern due to previous uses at and near the subject property, no herbicides were detected, and pesticides that were detected were below all benchmark levels.

5.2 AFFECTED MEDIA

Based on sampling during this Phase II TBA, arsenic and several PAHs are present in soils at the subject property. However, arsenic concentrations are well below the mean background concentration for Jackson County, Missouri (USGS 2012a). One PAH exceeded all benchmarks in surface soil from one sample, but is likely a contaminant from the parking lot and not from other sources on the subject property. As a result, Tetra Tech recommends no further sampling at the former MCI.

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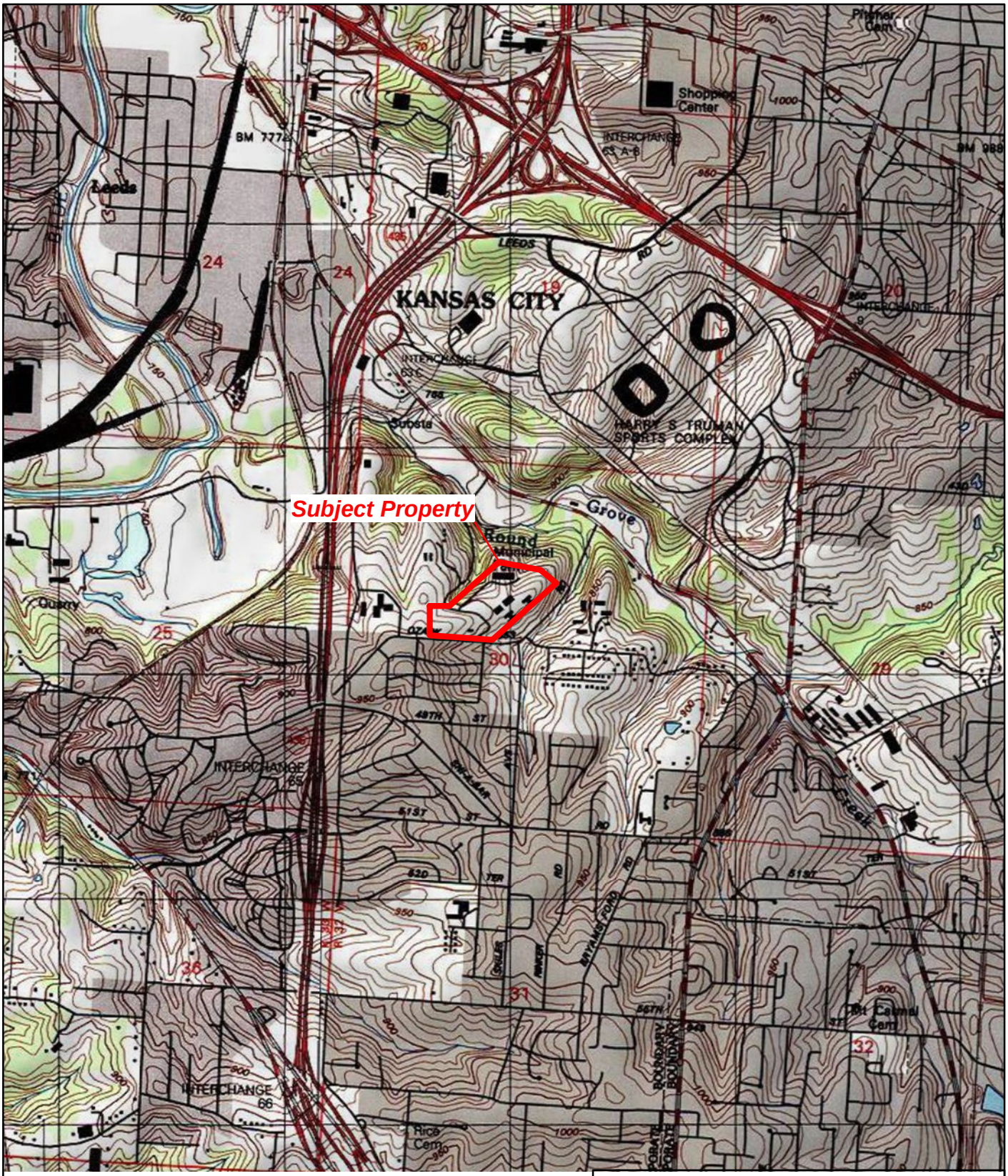
APPENDIX A

FIGURES



Source: USGS Independence, MO 7.5 Minute Topo Quad, 1996
USGS Kansas City, MO 7.5 Minute Topo Quad, 1996

Kansas City Municipal Farms - MCI
8100 Ozark Road
Kansas City, Missouri

Figure 1
Site Location Map

TETRA TECH

Date: 04/09/13 Drawn By: Nick Wiederholt Project No: X9004.L.06.0002.015.022

X:\G\9004\0002\2015\022\MCI\Projects\mxd\Figure1.mxd

Legend

- Major road
- Street
- Stream/River
- Approximate subject property boundary

HEHS Health Emergency Hazmat Site

Source: ArcGIS Online, Bing Maps Hybrid, 2012; HSIP Gold, 2007

Kansas City Municipal Farms - MCI
8100 Ozark Road
Kansas City, Missouri

Figure 2
Site Layout Map

TETRA TECH

Date: 04/09/13 Drawn By: Nick Wiederholt Project No: X9004.L.06.0002.015.022

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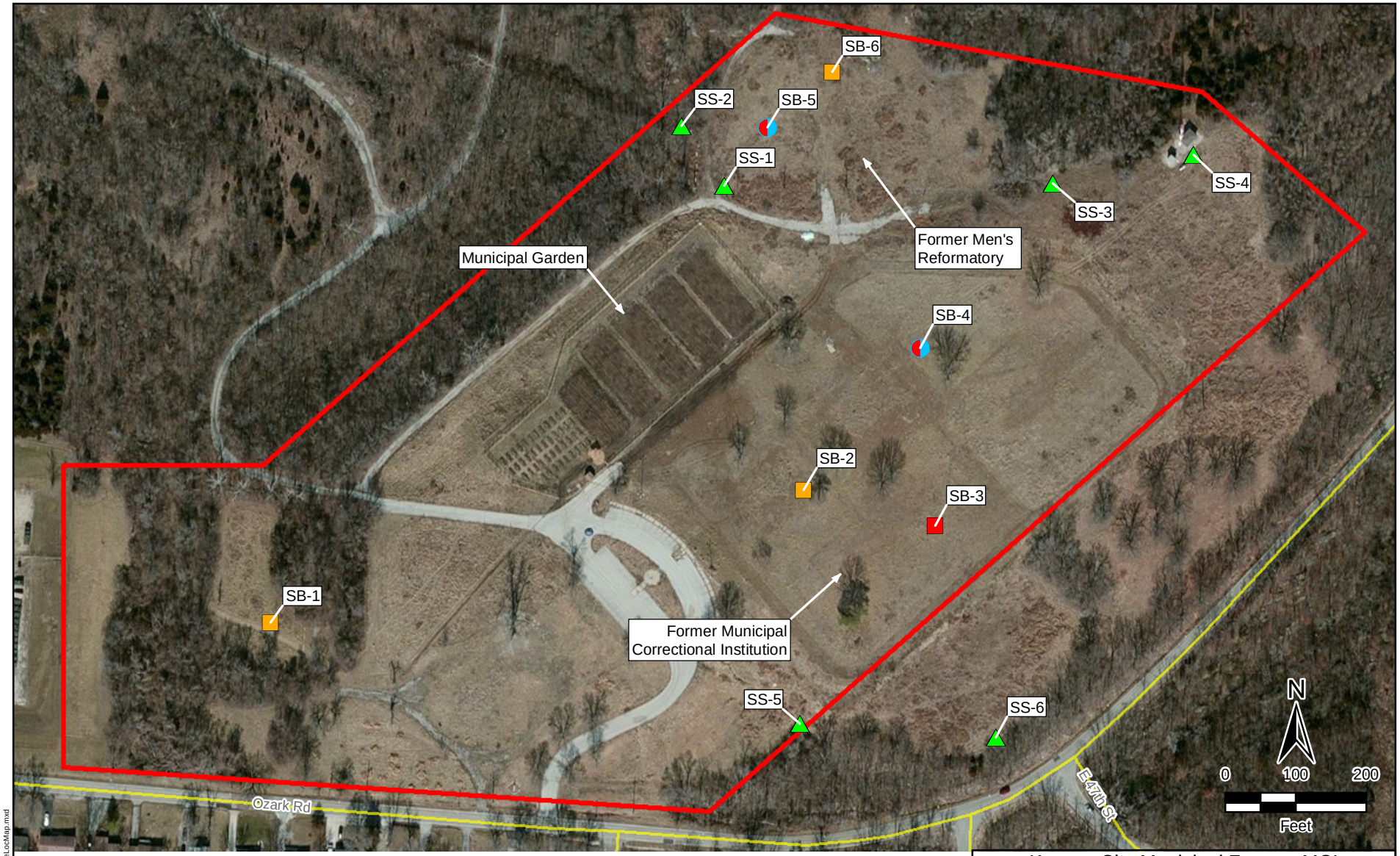


Legend

- DPT soil and groundwater sample location
- Soil classification sample location
- Subsurface soil sample location
- Surface soil sample location
- Street
- Approximate subject property boundary
- DPT Direct push technology

Source: ArcGIS Online, Bing Maps Hybrid, 2012; HSIP Gold, 2007

Kansas City Municipal Farms - MCI
8100 Ozark Road
Kansas City, Missouri

Figure 3

Sample Location Map

TETRA TECH

Date: 04/09/13 Drawn By: Nick Wiederholt Project No: X9004.L.06.0002.015.022

X:\G\9004\0002\2015\022\MCI\Projects\mxd\Figure3_SampleLocMap.mxd

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

MUNICIPAL FARMS - MCI
Jackson County, Missouri

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: East	DESCRIPTION	This photograph shows the area on the subject property where surface soil sample SS-1 was collected.	1
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/15/13
	PHOTOGRAPHER	Kaitlyn Bahr	

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: North	DESCRIPTION	This photograph shows the area on the subject property where surface soil sample SS-2 was collected.	2
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/15/13
	PHOTOGRAPHER	Kaitlyn Bahr	

MUNICIPAL FARMS - MCI
Jackson County, Missouri

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: North	DESCRIPTION	This photograph shows the area on the subject property where surface soil sample SS-3 was collected.	3
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/15/13
	PHOTOGRAPHER	Kaitlyn Bahr	

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: Northwest	DESCRIPTION	This photograph shows the area on the subject property where surface soil sample SS-4 was collected.	4
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/15/13
	PHOTOGRAPHER	Kaitlyn Bahr	

MUNICIPAL FARMS - MCI
Jackson County, Missouri

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: West	DESCRIPTION	This photograph shows the area on the subject property where surface soil sample SS-5 was collected.	5
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/15/13
	PHOTOGRAPHER	Kaitlyn Bahr	

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: East	DESCRIPTION	This photograph shows the area on the subject property where surface soil sample SS-6 was collected.	6
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/15/13
	PHOTOGRAPHER	Kaitlyn Bahr	

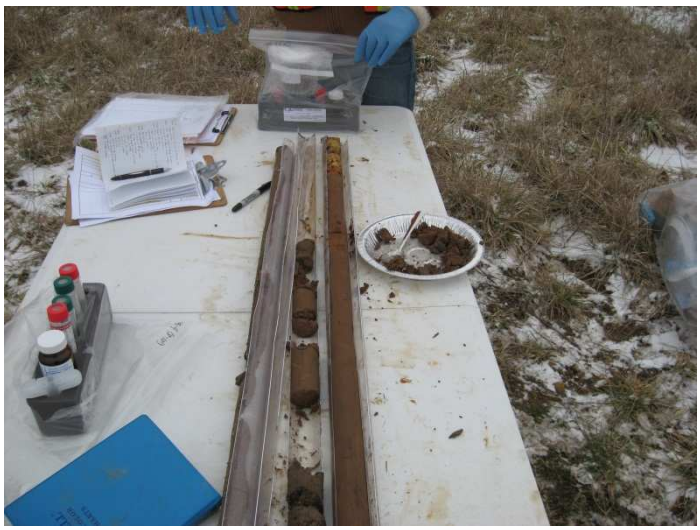
MUNICIPAL FARMS - MCI
Jackson County, Missouri

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: North	DESCRIPTION	This photograph shows Superfund Technical Assessment and Response Team (START) personnel using a truck-mounted Geoprobe® to collect soil borings from SB-1.	7
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/22/13
	PHOTOGRAPHER	Danny O'Connor	

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: NA	DESCRIPTION	This photograph shows soil borings being prepared for documentation and sampling.	8
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/22/13
	PHOTOGRAPHER	Danny O'Connor	

MUNICIPAL FARMS - MCI
Jackson County, Missouri

TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: NA	DESCRIPTION	This photograph shows soil boring SB-4. START documented color, texture, and photoionization detector (PID) readings from each soil boring.	9
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/22/13
	PHOTOGRAPHER	Danny O'Connor	



TETRA TECH PROJECT NO. X9004.06.0002.015.022A DIRECTION: NA	DESCRIPTION	This photograph shows START personnel collecting a sample from a soil boring.	10
	CLIENT	Environmental Protection Agency - Region 7	DATE 3/22/13
	PHOTOGRAPHER	Danny O'Connor	

APPENDIX C

SITE LOGBOOK

3/16/13

MCI Site

0700 Joanna Sciegienka and Kaitlyn Bahr arrive on site to meet city personnel to unlock the gate and to gain access to the building by the radio tower that was not accessed during the Phase I site walk.

0725 The utility locate company arrives on site to mark utilities

0805 Collect surface soil sample
SS-1
39.04129 N
94.49141 W

0821 Collect surface soil sample
SS-2
39.04152 N
94.49163 W

0843 Collect surface soil sample SS-3
39.04132 N
94.48977 W

0858 Collect surface soil sample
SS-4
39.04144 N
94.48907 W

0919 Collect surface soil sample
SS-5
39.03920 N
94.49099 W

0946 Collect surface soil sample
SS-6
39.03916 N
94.49001 W

3-22-13 MCI - KC Municipal Farms

0600 STM O'Connor arrives @ Tt, prep for days activities

0700 STMs Cosmo Canacari & Ashley Gleason arrive @ Tt. Preform daily tailgate, discuss site activities

0730 Depart for site

0750 Arrive on site, MCI
Begin soil probing @ SB-1 (soil only)
39.03956, -94.49364
Collect 2 samples

0845 SB-1 (6-8')

0835 SB-1 ~~(13-15')~~ (10-12')
- Refusal @ ~~15'~~ 12' bgs - shale
No high PID readings

0919 Begin boring @ SB-2 (soil only)
39.04011, -94.49099
No high PID readings
Collect 2 samples

0935 SB-2 (5-7')

0945 SB-2 (7-9')
Refusal @ 9' bgs, bedrock

0955 Begin boring @ SB-3 (grain size analysis only)

1015 SB-3 (7-9')
~~0945~~ 39.03998, -94.49033

D.O.

3-22-13 MCI - KC Municipal Farms
refusal @ 9' bgs
Collect sample for grain size analysis

1030 Begin boring @ SB-4
Will attempt to collect soil & groundwater from this location
39.04067, -94.49042
Collect 2 soil samples, 10' refusal

1050 SB-4 (6-8')

1100 SB-4 (8-10')
- Soil appears dry @ bottom of hole
send down check valve to confirm no Groundwater. - No Groundwater

1113 Arrive @ SB-5
Will attempt to collect soil & groundwater samples
39.04152, -94.49120
refusal @ 5' bgs. Soil boring appears to have significant amount of brick & concrete
- Try three other locations, all have refusal @ ≤2' bgs. Collect one sample from first location

1140 SB-5 (3-5') - Metals, VOCs, SVOCs
No Groundwater present

1150 Arrive @ SB-6
39.04174, -94.49088

3-22-13 MCI/Animal Shelter - KC Municipal Farms

Refusal @ 13' bgs

Collect two samples

1215 SB-6 (6-8') Metals, VOCs, SVOCs

1220 SB-6 (11-13') " "

1230 Arrive @ animal shelter. Quick site recon

1230 Lunch

1300 End Lunch

1325 Begin installing temp groundwater monitoring well @ GW-1

39.04461, -94.49278

refusal @ 2', try another spot refusal @ 4'

Third spot refusal @ 4'

Unable to collect sample From GW-1

1340 Begin surface soil sampling

1347 SS-1: VOCs, SVOCs, herb., pest., warfarin, metals

39.04462, -94.49352

1405 Collect surface soil sample From SS-3

VOCs, SVOCs, herb., pest., warfarin, metals

39.04448, -94.49388

Attempt to install temp monitoring well @ GW-2, 39.04491, -94.49338

1440 Begin collecting samples From GW-2 location

VOCs, SVOCs, herb., pest, priority pollutant metals (dissolved), TDS

3-22-13 Animal Shelter KC Municipal Farms

Groundwater @ 28' bgs, refusal @ 32' bgs

1535 Begin collecting SS-2

39.04404, -94.49345

Analyze for VOCs, SVOCs, herb, pest., priority pollutant metals, warfarin

STM Canacari attempts to install temp monitoring well @ GW-4

-39.04416, -94.49319

Refusal @ 18'. No Groundwater, unable to collect sample

1600 Begin collecting SS-4

39.04539, -94.49463

VOCs, SVOCs, herb, pest, warfarin, metals

1615 STM Canacari attempts to install temp monitoring well @ GW-3

39.04492, -94.49407

Refusal @ 25' bgs - will allow to sit

1640 Begin soil boring SB-7 (grain size analysis)

39.04528, -94.49490. Refusal @ 11'

Collect sample

SB-7 (9-11') - grain size analysis

1715 Return to GW-3. No Groundwater, no sample collected

1730 Complete field activities, depart for office

3-22-13 MCI/Animal Shelter - KC Municipal Farms

1750 Collect Field Blank sample

1800 Collect Rinsate Sample

- Prep samples For 3-25 shipement

1845 End day

Danny O.
3-22-13

APPENDIX D

CHAIN-OF-CUSTODY RECORDS, ANALYTICAL DATA PACKAGES, AND DATA VALIDATION REPORT

25-Mar-2013

Emily Fisher
Tetra Tech
415 Oak Street
Kansas City, MO 64106

Re: **Municipal Farms-MCI, Kansas City, MO 3/15/13** Work Order: **1303495**

Dear Emily,

ALS Environmental received 7 samples on 16-Mar-2013 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 81.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: MN 532786

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Group An ALS Limited Company

ALS Group USA, Corp

Date: 25-Mar-13

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Work Order: **1303495**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1303495-01	SS-1	Soil		3/15/2013 08:05	3/16/2013 10:00	☐
1303495-02	SS-2	Soil		3/15/2013 08:21	3/16/2013 10:00	☐
1303495-03	SS-3	Soil		3/15/2013 08:43	3/16/2013 10:00	☐
1303495-04	SS-4	Soil		3/15/2013 08:58	3/16/2013 10:00	☐
1303495-05	SS-5	Soil		3/15/2013 09:19	3/16/2013 10:00	☐
1303495-06	SS-6	Soil		3/15/2013 09:46	3/16/2013 10:00	☐
1303495-07	Trip Blank	Soil		3/15/2013	3/16/2013 10:00	☐

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Work Order: 1303495

Case Narrative

Batch 46961 sample 1303495-01 Herbicide analysis had to be run at a dilution due to matrix. The surrogate was diluted out.

Batch 46961 samples 1303495-02 through 1303495-06 Herbicide analyses had to be run at a dilution due to matrix. The surrogate recoveries were below control limits. The reporting limits may be biased low.

Batch 46974 MS/MSD data for Pesticides is not related to this project's samples. No data requires qualification.

Batches 46995 and 47041 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 46998 sample SS-1 MS/MSD recoveries for GRO were above control limits. The corresponding result for GRO in the parent may be biased high due to matrix interference.

Batch 47009 LCS recoveries for Carbazole and N-Nitrosodiphenylamine were above the upper control limit. All samples in this quality control batch were ND for Carbazole and N-Nitrosodiphenylamine. No data requires qualification. The MS/MSD data for Semi-Volatiles is not related to this project's samples. No data requires qualification. Sample 1303495-01 Semi-Volatiles and DRO analyses had one high surrogate recovery due to matrix interference.

Batch R117582 sample 1303495-02 Volatiles analysis had one high surrogate recovery due to matrix interference. The LCS recovery for 1,2-Dibromoehane was above the upper control limit. All sample results in the batch were non-detect for this compound. No qualification is necessary for 1,2-Dibromoethane. The MS/MSD data for Volatiles is not related to this project's samples. No data requires qualification.

Batch R117689 LCS recovery for 1,2-Dibromoehane was above the upper control limit. All sample results in the batch were non-detect for this compound. No qualification is necessary for 1,2-Dibromoethane. The MS/MSD data for Volatiles is not related to this project's samples. No data requires qualification.

ALS Group USA, Corp

Date: 25-Mar-13

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
WorkOrder: **1303495**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
TDL	Target Detection Limit
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
µg/Kg	Micrograms per Kilogram
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-1
Collection Date: 3/15/2013 08:05 AM

Work Order: 1303495
Lab ID: 1303495-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/18/13		Analyst: **JD**
2,4,5-T	U		25	1,300	µg/Kg-dry	20	3/22/2013 10:50
2,4,5-TP (Silvex)	U		17	2,500	µg/Kg-dry	20	3/22/2013 10:50
2,4-D	U		18	1,300	µg/Kg-dry	20	3/22/2013 10:50
2,4-DB	U		83	1,300	µg/Kg-dry	20	3/22/2013 10:50
Dalapon	U		83	1,300	µg/Kg-dry	20	3/22/2013 10:50
Dicamba	U		83	1,300	µg/Kg-dry	20	3/22/2013 10:50
Dichlorprop	U		83	1,300	µg/Kg-dry	20	3/22/2013 10:50
Dinoseb	U		83	1,300	µg/Kg-dry	20	3/22/2013 10:50
MCPA	U		8,300	43,000	µg/Kg-dry	20	3/22/2013 10:50
MCPP	U		8,300	43,000	µg/Kg-dry	20	3/22/2013 10:50
Surr: DCAA	*0*	S		*30-150*	*%REC*	20	3/22/2013 10:50
PESTICIDES		Method: **SW8081**			Prep: SW3541 / 3/19/13		Analyst: **JD**
4,4´-DDD	**9.0**	J	**3.9**	**12**	**µg/Kg-dry**	1	3/20/2013 19:51
4,4´-DDE	**47**		**2.4**	**12**	**µg/Kg-dry**	1	3/20/2013 19:51
4,4´-DDT	**22**		**2.8**	**12**	**µg/Kg-dry**	1	3/20/2013 19:51
Aldrin	U		1.1	12	µg/Kg-dry	1	3/20/2013 19:51
alpha-BHC	U		3.9	12	µg/Kg-dry	1	3/20/2013 19:51
alpha-Chlordane	U		3.4	12	µg/Kg-dry	1	3/20/2013 19:51
beta-BHC	U		4.6	12	µg/Kg-dry	1	3/20/2013 19:51
Chlordane, Technical	U		610	1,500	µg/Kg-dry	50	3/20/2013 16:29
delta-BHC	U		4.5	12	µg/Kg-dry	1	3/20/2013 19:51
Dieldrin	U		52	610	µg/Kg-dry	50	3/20/2013 16:29
Endosulfan I	U		80	610	µg/Kg-dry	50	3/20/2013 16:29
Endosulfan II	U		67	610	µg/Kg-dry	50	3/20/2013 16:29
Endosulfan sulfate	U		75	610	µg/Kg-dry	50	3/20/2013 16:29
Endrin	U		180	610	µg/Kg-dry	50	3/20/2013 16:29
Endrin aldehyde	U		150	610	µg/Kg-dry	50	3/20/2013 16:29
Endrin ketone	U		240	610	µg/Kg-dry	50	3/20/2013 16:29
gamma-BHC (Lindane)	U		5.7	12	µg/Kg-dry	1	3/20/2013 19:51
gamma-Chlordane	U		2.0	12	µg/Kg-dry	1	3/20/2013 19:51
Heptachlor	U		6.3	12	µg/Kg-dry	1	3/20/2013 19:51
Heptachlor epoxide	U		97	610	µg/Kg-dry	50	3/20/2013 16:29
Methoxychlor	U		150	610	µg/Kg-dry	50	3/20/2013 16:29
Toxaphene	U		720	3,700	µg/Kg-dry	50	3/20/2013 16:29
Surr: Decachlorobiphenyl	*108*			*45-135*	*%REC*	1	3/20/2013 19:51
Surr: Tetrachloro-m-xylene	*109*			*45-124*	*%REC*	1	3/20/2013 19:51
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/21/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-1
Collection Date: 3/15/2013 08:05 AM

Work Order: 1303495
Lab ID: 1303495-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	**0.12**		**0.00086**	**0.017**	**mg/Kg-dry**	1	3/21/2013 14:37
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/19/13		Analyst: **RH**
Arsenic	**6.3**		**0.069**	**0.51**	**mg/Kg-dry**	1	3/19/2013 23:51
Barium	**200**		**0.14**	**5.1**	**mg/Kg-dry**	10	3/20/2013 15:02
Cadmium	**1.3**		**0.0020**	**0.20**	**mg/Kg-dry**	1	3/19/2013 23:51
Chromium	**13**		**0.083**	**0.51**	**mg/Kg-dry**	1	3/19/2013 23:51
Lead	**150**		**0.020**	**5.1**	**mg/Kg-dry**	10	3/20/2013 15:02
Selenium	**1.0**		**0.065**	**0.51**	**mg/Kg-dry**	1	3/19/2013 23:51
Silver	**0.073**	J	**0.0020**	**0.51**	**mg/Kg-dry**	1	3/19/2013 23:51
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
DRO (C10-C21)	**31**		**1.5**	**3.6**	**mg/Kg-dry**	1	3/21/2013 02:16
ORO (C21-C35)	**170**		**1.7**	**3.6**	**mg/Kg-dry**	1	3/21/2013 02:16
Surr: 4-Terphenyl-d14	*140*	S		*25-137*	*%REC*	1	3/21/2013 02:16
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
1,1`-Biphenyl	U		6.1	410	µg/Kg-dry	1	3/21/2013 02:16
2,4,5-Trichlorophenol	U		9.9	200	µg/Kg-dry	1	3/21/2013 02:16
2,4,6-Trichlorophenol	U		9.9	200	µg/Kg-dry	1	3/21/2013 02:16
2,4-Dichlorophenol	U		12	200	µg/Kg-dry	1	3/21/2013 02:16
2,4-Dimethylphenol	U		50	410	µg/Kg-dry	1	3/21/2013 02:16
2,4-Dinitrophenol	U		53	820	µg/Kg-dry	1	3/21/2013 02:16
2,4-Dinitrotoluene	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
2,6-Dinitrotoluene	U		12	200	µg/Kg-dry	1	3/21/2013 02:16
2-Chloronaphthalene	U		11	99	µg/Kg-dry	1	3/21/2013 02:16
2-Chlorophenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
2-Methylnaphthalene	**40**	J	**12**	**99**	**µg/Kg-dry**	1	3/21/2013 02:16
2-Methylphenol	U		12	200	µg/Kg-dry	1	3/21/2013 02:16
2-Nitroaniline	U		9.4	820	µg/Kg-dry	1	3/21/2013 02:16
2-Nitrophenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
3,3´-Dichlorobenzidine	U		12	820	µg/Kg-dry	1	3/21/2013 02:16
3-Nitroaniline	U		100	820	µg/Kg-dry	1	3/21/2013 02:16
4,6-Dinitro-2-methylphenol	U		60	410	µg/Kg-dry	1	3/21/2013 02:16
4-Bromophenyl phenyl ether	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
4-Chloro-3-methylphenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
4-Chloroaniline	U		16	820	µg/Kg-dry	1	3/21/2013 02:16
4-Chlorophenyl phenyl ether	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
4-Methylphenol	**130**	J	**12**	**200**	**µg/Kg-dry**	1	3/21/2013 02:16
4-Nitroaniline	U		18	820	µg/Kg-dry	1	3/21/2013 02:16
4-Nitrophenol	U		50	820	µg/Kg-dry	1	3/21/2013 02:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-1
Collection Date: 3/15/2013 08:05 AM

Work Order: 1303495
Lab ID: 1303495-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	**91**		**11**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Acenaphthylene	**87**		**12**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Acetophenone	U		6.2	410	µg/Kg-dry	1	3/21/2013 02:16
Anthracene	**290**		**13**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Atrazine	U		13	410	µg/Kg-dry	1	3/21/2013 02:16
Benzaldehyde	U		16	410	µg/Kg-dry	1	3/21/2013 02:16
Benzo(a)anthracene	**630**		**15**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Benzo(a)pyrene	**540**		**19**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Benzo(b)fluoranthene	**830**		**20**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Benzo(g,h,i)perylene	**190**		**29**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Benzo(k)fluoranthene	**440**		**17**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Bis(2-chloroethoxy)methane	U		10	200	µg/Kg-dry	1	3/21/2013 02:16
Bis(2-chloroethyl)ether	U		10	200	µg/Kg-dry	1	3/21/2013 02:16
Bis(2-chloroisopropyl)ether	U		9.6	200	µg/Kg-dry	1	3/21/2013 02:16
Bis(2-ethylhexyl)phthalate	U		12	410	µg/Kg-dry	1	3/21/2013 02:16
Butyl benzyl phthalate	**130**	J	**17**	**200**	**µg/Kg-dry**	1	3/21/2013 02:16
Caprolactam	U		18	410	µg/Kg-dry	1	3/21/2013 02:16
Carbazole	U		14	200	µg/Kg-dry	1	3/21/2013 02:16
Chrysene	**870**		**14**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Dibenzo(a,h)anthracene	**57**		**21**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Dibenzofuran	**81**	J	**11**	**200**	**µg/Kg-dry**	1	3/21/2013 02:16
Diethyl phthalate	U		10	410	µg/Kg-dry	1	3/21/2013 02:16
Dimethyl phthalate	U		10	410	µg/Kg-dry	1	3/21/2013 02:16
Di-n-butyl phthalate	U		12	410	µg/Kg-dry	1	3/21/2013 02:16
Di-n-octyl phthalate	U		15	200	µg/Kg-dry	1	3/21/2013 02:16
Fluoranthene	**1,100**		**15**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Fluorene	**79**		**11**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Hexachlorobenzene	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
Hexachlorobutadiene	U		10	200	µg/Kg-dry	1	3/21/2013 02:16
Hexachlorocyclopentadiene	U		43	410	µg/Kg-dry	1	3/21/2013 02:16
Hexachloroethane	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
Indeno(1,2,3-cd)pyrene	**190**		**23**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Isophorone	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
Naphthalene	**26**	J	**11**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Nitrobenzene	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
N-Nitrosodi-n-propylamine	U		11	200	µg/Kg-dry	1	3/21/2013 02:16
N-Nitrosodiphenylamine	U		73	200	µg/Kg-dry	1	3/21/2013 02:16
Pentachlorophenol	U		18	410	µg/Kg-dry	1	3/21/2013 02:16
Phenanthrene	**890**		**37**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Phenol	U		10	200	µg/Kg-dry	1	3/21/2013 02:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-1
Collection Date: 3/15/2013 08:05 AM

Work Order: 1303495
Lab ID: 1303495-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	**1,500**		**15**	**37**	**µg/Kg-dry**	1	3/21/2013 02:16
Surr: 2,4,6-Tribromophenol	*72.0*			*34-140*	*%REC*	1	3/21/2013 02:16
Surr: 2-Fluorobiphenyl	*66.2*			*12-100*	*%REC*	1	3/21/2013 02:16
Surr: 2-Fluorophenol	*77.8*			*33-117*	*%REC*	1	3/21/2013 02:16
Surr: 4-Terphenyl-d14	*140*	S		*25-137*	*%REC*	1	3/21/2013 02:16
Surr: Nitrobenzene-d5	*68.2*			*37-107*	*%REC*	1	3/21/2013 02:16
Surr: Phenol-d6	*80.3*			*40-106*	*%REC*	1	3/21/2013 02:16
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/20/2013 04:07
Surr: Toluene-d8	*96.3*			*70-130*	*%REC*	1	3/20/2013 04:07
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.23	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,1,2,2-Tetrachloroethane	U		0.15	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,1,2-Trichloroethane	U		0.20	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,1,2-Trichlorotrifluoroethane	U		0.29	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,1-Dichloroethane	U		0.27	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,1-Dichloroethene	U		0.24	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,2,4-Trichlorobenzene	U		0.22	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,2-Dibromo-3-chloropropane	U		0.21	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,2-Dibromoethane	U		0.21	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,2-Dichlorobenzene	U		0.21	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,2-Dichloroethane	U		0.29	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,2-Dichloropropane	U		0.27	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,3-Dichlorobenzene	U		0.20	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
1,4-Dichlorobenzene	U		0.22	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
2-Butanone	**8.4**	J	**0.81**	**10**	**µg/Kg-dry**	0.825	3/20/2013 18:10
2-Hexanone	U		0.32	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
4-Methyl-2-pentanone	U		0.21	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Acetone	**87**		**0.98**	**10**	**µg/Kg-dry**	0.825	3/20/2013 18:10
Benzene	U		0.26	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Bromodichloromethane	U		0.22	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Bromoform	U		0.16	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Bromomethane	U		0.37	10	µg/Kg-dry	0.825	3/20/2013 18:10
Carbon disulfide	**0.79**	J	**0.39**	**5.2**	**µg/Kg-dry**	0.825	3/20/2013 18:10
Carbon tetrachloride	U		0.21	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Chlorobenzene	U		0.23	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Chloroethane	U		0.59	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Chloroform	**0.60**	J	**0.27**	**5.2**	**µg/Kg-dry**	0.825	3/20/2013 18:10
Chloromethane	U		0.32	10	µg/Kg-dry	0.825	3/20/2013 18:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-1
Collection Date: 3/15/2013 08:05 AM

Work Order: 1303495
Lab ID: 1303495-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	U		0.31	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
cis-1,3-Dichloropropene	U		0.19	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Cyclohexane	U		0.33	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Dibromochloromethane	U		0.18	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Dichlorodifluoromethane	U		0.35	10	µg/Kg-dry	0.825	3/20/2013 18:10
Ethylbenzene	U		0.20	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Isopropylbenzene	U		0.20	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
m,p-Xylene	U		0.39	2.6	µg/Kg-dry	0.825	3/20/2013 18:10
Methyl acetate	U		0.84	10	µg/Kg-dry	0.825	3/20/2013 18:10
Methyl tert-butyl ether	U		0.26	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Methylcyclohexane	U		0.29	10	µg/Kg-dry	0.825	3/20/2013 18:10
Methylene chloride	U		0.30	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
o-Xylene	U		0.21	2.6	µg/Kg-dry	0.825	3/20/2013 18:10
Styrene	U		0.19	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Tetrachloroethene	U		0.31	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Toluene	**1.8**	J	**0.25**	**5.2**	**µg/Kg-dry**	0.825	3/20/2013 18:10
trans-1,2-Dichloroethene	U		0.31	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
trans-1,3-Dichloropropene	U		0.19	10	µg/Kg-dry	0.825	3/20/2013 18:10
Trichloroethene	U		0.24	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Trichlorofluoromethane	U		1.2	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Vinyl chloride	U		0.32	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Xylenes, Total	U		0.60	5.2	µg/Kg-dry	0.825	3/20/2013 18:10
Surr: 1,2-Dichloroethane-d4	*117*			*70-120*	*%REC*	0.825	3/20/2013 18:10
Surr: 4-Bromofluorobenzene	*107*			*75-120*	*%REC*	0.825	3/20/2013 18:10
Surr: Dibromofluoromethane	*106*			*85-115*	*%REC*	0.825	3/20/2013 18:10
Surr: Toluene-d8	*102*			*85-120*	*%REC*	0.825	3/20/2013 18:10
MOISTURE		Method: **A2540 G**					Analyst: **KF**
Moisture	**21**		**0.025**	**0.050**	**% of sample**	1	3/18/2013 14:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-2
Collection Date: 3/15/2013 08:21 AM

Work Order: 1303495
Lab ID: 1303495-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/18/13		Analyst: **JD**
2,4,5-T	U		12	640	µg/Kg-dry	10	3/22/2013 11:36
2,4,5-TP (Silvex)	U		8.5	1,300	µg/Kg-dry	10	3/22/2013 11:36
2,4-D	U		9.1	640	µg/Kg-dry	10	3/22/2013 11:36
2,4-DB	U		42	640	µg/Kg-dry	10	3/22/2013 11:36
Dalapon	U		42	640	µg/Kg-dry	10	3/22/2013 11:36
Dicamba	U		42	640	µg/Kg-dry	10	3/22/2013 11:36
Dichlorprop	U		42	640	µg/Kg-dry	10	3/22/2013 11:36
Dinoseb	U		42	640	µg/Kg-dry	10	3/22/2013 11:36
MCPA	U		4,200	22,000	µg/Kg-dry	10	3/22/2013 11:36
MCPP	U		4,200	22,000	µg/Kg-dry	10	3/22/2013 11:36
Surr: DCAA	*10.0*	S		*30-150*	*%REC*	10	3/22/2013 11:36
PESTICIDES		Method: **SW8081**			Prep: SW3541 / 3/19/13		Analyst: **JD**
4,4´-DDD	**5.0**	J	**4.0**	**12**	**µg/Kg-dry**	1	3/20/2013 20:07
4,4´-DDE	**38**		**2.4**	**12**	**µg/Kg-dry**	1	3/20/2013 20:07
4,4´-DDT	**17**		**2.9**	**12**	**µg/Kg-dry**	1	3/20/2013 20:07
Aldrin	U		1.1	12	µg/Kg-dry	1	3/20/2013 20:07
alpha-BHC	U		4.0	12	µg/Kg-dry	1	3/20/2013 20:07
alpha-Chlordane	U		3.4	12	µg/Kg-dry	1	3/20/2013 20:07
beta-BHC	U		4.7	12	µg/Kg-dry	1	3/20/2013 20:07
Chlordane, Technical	U		61	150	µg/Kg-dry	5	3/20/2013 16:45
delta-BHC	U		4.6	12	µg/Kg-dry	1	3/20/2013 20:07
Dieldrin	U		5.3	62	µg/Kg-dry	5	3/20/2013 16:45
Endosulfan I	U		8.1	62	µg/Kg-dry	5	3/20/2013 16:45
Endosulfan II	U		6.8	62	µg/Kg-dry	5	3/20/2013 16:45
Endosulfan sulfate	U		7.6	62	µg/Kg-dry	5	3/20/2013 16:45
Endrin	U		18	62	µg/Kg-dry	5	3/20/2013 16:45
Endrin aldehyde	U		15	62	µg/Kg-dry	5	3/20/2013 16:45
Endrin ketone	U		24	62	µg/Kg-dry	5	3/20/2013 16:45
gamma-BHC (Lindane)	U		5.7	12	µg/Kg-dry	1	3/20/2013 20:07
gamma-Chlordane	U		2.1	12	µg/Kg-dry	1	3/20/2013 20:07
Heptachlor	U		6.4	12	µg/Kg-dry	1	3/20/2013 20:07
Heptachlor epoxide	U		9.8	62	µg/Kg-dry	5	3/20/2013 16:45
Methoxychlor	U		15	62	µg/Kg-dry	5	3/20/2013 16:45
Toxaphene	U		73	370	µg/Kg-dry	5	3/20/2013 16:45
Surr: Decachlorobiphenyl	*114*			*45-135*	*%REC*	1	3/20/2013 20:07
Surr: Tetrachloro-m-xylene	*102*			*45-124*	*%REC*	1	3/20/2013 20:07
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/21/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-2
Collection Date: 3/15/2013 08:21 AM

Work Order: 1303495
Lab ID: 1303495-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	**0.61**		**0.0049**	**0.099**	**mg/Kg-dry**	5	3/21/2013 15:59
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/19/13		Analyst: **RH**
Arsenic	**8.9**		**0.064**	**0.47**	**mg/Kg-dry**	1	3/19/2013 23:57
Barium	**220**		**0.13**	**4.7**	**mg/Kg-dry**	10	3/20/2013 15:08
Cadmium	**2.6**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/19/2013 23:57
Chromium	**24**		**0.077**	**0.47**	**mg/Kg-dry**	1	3/19/2013 23:57
Lead	**220**		**0.019**	**4.7**	**mg/Kg-dry**	10	3/20/2013 15:08
Selenium	**1.4**		**0.060**	**0.47**	**mg/Kg-dry**	1	3/19/2013 23:57
Silver	**0.28**	J	**0.0019**	**0.47**	**mg/Kg-dry**	1	3/19/2013 23:57
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
DRO (C10-C21)	**40**		**1.6**	**3.7**	**mg/Kg-dry**	1	3/21/2013 02:45
ORO (C21-C35)	**110**		**1.8**	**3.7**	**mg/Kg-dry**	1	3/21/2013 02:45
Surr: 4-Terphenyl-d14	*88.6*			*25-137*	*%REC*	1	3/21/2013 02:45
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
1,1`-Biphenyl	U		6.3	420	µg/Kg-dry	1	3/21/2013 02:45
2,4,5-Trichlorophenol	U		10	200	µg/Kg-dry	1	3/21/2013 02:45
2,4,6-Trichlorophenol	U		10	200	µg/Kg-dry	1	3/21/2013 02:45
2,4-Dichlorophenol	U		12	200	µg/Kg-dry	1	3/21/2013 02:45
2,4-Dimethylphenol	U		52	420	µg/Kg-dry	1	3/21/2013 02:45
2,4-Dinitrophenol	U		54	840	µg/Kg-dry	1	3/21/2013 02:45
2,4-Dinitrotoluene	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
2,6-Dinitrotoluene	U		12	200	µg/Kg-dry	1	3/21/2013 02:45
2-Chloronaphthalene	U		12	100	µg/Kg-dry	1	3/21/2013 02:45
2-Chlorophenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
2-Methylnaphthalene	**110**		**12**	**100**	**µg/Kg-dry**	1	3/21/2013 02:45
2-Methylphenol	U		12	200	µg/Kg-dry	1	3/21/2013 02:45
2-Nitroaniline	U		9.6	840	µg/Kg-dry	1	3/21/2013 02:45
2-Nitrophenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
3,3´-Dichlorobenzidine	U		12	840	µg/Kg-dry	1	3/21/2013 02:45
3-Nitroaniline	U		100	840	µg/Kg-dry	1	3/21/2013 02:45
4,6-Dinitro-2-methylphenol	U		61	420	µg/Kg-dry	1	3/21/2013 02:45
4-Bromophenyl phenyl ether	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
4-Chloro-3-methylphenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
4-Chloroaniline	U		16	840	µg/Kg-dry	1	3/21/2013 02:45
4-Chlorophenyl phenyl ether	U		12	200	µg/Kg-dry	1	3/21/2013 02:45
4-Methylphenol	U		12	200	µg/Kg-dry	1	3/21/2013 02:45
4-Nitroaniline	U		19	840	µg/Kg-dry	1	3/21/2013 02:45
4-Nitrophenol	U		51	840	µg/Kg-dry	1	3/21/2013 02:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-2
Collection Date: 3/15/2013 08:21 AM

Work Order: 1303495
Lab ID: 1303495-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	U		12	38	µg/Kg-dry	1	3/21/2013 02:45
Acenaphthylene	U		12	38	µg/Kg-dry	1	3/21/2013 02:45
Acetophenone	U		6.3	420	µg/Kg-dry	1	3/21/2013 02:45
Anthracene	U		13	38	µg/Kg-dry	1	3/21/2013 02:45
Atrazine	U		13	420	µg/Kg-dry	1	3/21/2013 02:45
Benzaldehyde	**41**	J	**16**	**420**	**µg/Kg-dry**	1	3/21/2013 02:45
Benzo(a)anthracene	**52**		**15**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Benzo(a)pyrene	**34**	J	**20**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Benzo(b)fluoranthene	**84**		**20**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Benzo(g,h,i)perylene	U		30	38	µg/Kg-dry	1	3/21/2013 02:45
Benzo(k)fluoranthene	**34**	J	**17**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Bis(2-chloroethoxy)methane	U		10	200	µg/Kg-dry	1	3/21/2013 02:45
Bis(2-chloroethyl)ether	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
Bis(2-chloroisopropyl)ether	U		9.9	200	µg/Kg-dry	1	3/21/2013 02:45
Bis(2-ethylhexyl)phthalate	**31**	J	**13**	**420**	**µg/Kg-dry**	1	3/21/2013 02:45
Butyl benzyl phthalate	**43**	J	**18**	**200**	**µg/Kg-dry**	1	3/21/2013 02:45
Caprolactam	U		18	420	µg/Kg-dry	1	3/21/2013 02:45
Carbazole	U		14	200	µg/Kg-dry	1	3/21/2013 02:45
Chrysene	**71**		**14**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Dibenzo(a,h)anthracene	U		22	38	µg/Kg-dry	1	3/21/2013 02:45
Dibenzofuran	**60**	J	**12**	**200**	**µg/Kg-dry**	1	3/21/2013 02:45
Diethyl phthalate	U		11	420	µg/Kg-dry	1	3/21/2013 02:45
Dimethyl phthalate	U		11	420	µg/Kg-dry	1	3/21/2013 02:45
Di-n-butyl phthalate	U		13	420	µg/Kg-dry	1	3/21/2013 02:45
Di-n-octyl phthalate	U		16	200	µg/Kg-dry	1	3/21/2013 02:45
Fluoranthene	**98**		**15**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Fluorene	U		11	38	µg/Kg-dry	1	3/21/2013 02:45
Hexachlorobenzene	U		12	200	µg/Kg-dry	1	3/21/2013 02:45
Hexachlorobutadiene	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
Hexachlorocyclopentadiene	U		44	420	µg/Kg-dry	1	3/21/2013 02:45
Hexachloroethane	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
Indeno(1,2,3-cd)pyrene	U		24	38	µg/Kg-dry	1	3/21/2013 02:45
Isophorone	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
Naphthalene	**49**		**11**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Nitrobenzene	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
N-Nitrosodi-n-propylamine	U		11	200	µg/Kg-dry	1	3/21/2013 02:45
N-Nitrosodiphenylamine	U		75	200	µg/Kg-dry	1	3/21/2013 02:45
Pentachlorophenol	U		19	420	µg/Kg-dry	1	3/21/2013 02:45
Phenanthrene	**160**		**38**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Phenol	U		11	200	µg/Kg-dry	1	3/21/2013 02:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-2
Collection Date: 3/15/2013 08:21 AM

Work Order: 1303495
Lab ID: 1303495-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	**84**		**16**	**38**	**µg/Kg-dry**	1	3/21/2013 02:45
Surr: 2,4,6-Tribromophenol	*78.2*			*34-140*	*%REC*	1	3/21/2013 02:45
Surr: 2-Fluorobiphenyl	*66.7*			*12-100*	*%REC*	1	3/21/2013 02:45
Surr: 2-Fluorophenol	*80.7*			*33-117*	*%REC*	1	3/21/2013 02:45
Surr: 4-Terphenyl-d14	*88.6*			*25-137*	*%REC*	1	3/21/2013 02:45
Surr: Nitrobenzene-d5	*72.0*			*37-107*	*%REC*	1	3/21/2013 02:45
Surr: Phenol-d6	*81.3*			*40-106*	*%REC*	1	3/21/2013 02:45
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/20/2013 04:30
Surr: Toluene-d8	*96.8*			*70-130*	*%REC*	1	3/20/2013 04:30
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.25	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,1,2,2-Tetrachloroethane	U		0.16	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,1,2-Trichloroethane	U		0.21	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,1,2-Trichlorotrifluoroethane	U		0.31	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,1-Dichloroethane	U		0.28	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,1-Dichloroethene	U		0.25	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,2,4-Trichlorobenzene	U		0.23	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,2-Dibromo-3-chloropropane	U		0.22	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,2-Dibromoethane	U		0.23	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,2-Dichlorobenzene	U		0.23	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,2-Dichloroethane	U		0.31	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,2-Dichloropropane	U		0.29	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,3-Dichlorobenzene	U		0.21	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
1,4-Dichlorobenzene	U		0.23	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
2-Butanone	**12**		**0.86**	**11**	**µg/Kg-dry**	0.874	3/20/2013 15:19
2-Hexanone	U		0.34	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
4-Methyl-2-pentanone	U		0.22	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Acetone	**110**		**1.0**	**11**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Benzene	**0.81**	J	**0.28**	**5.6**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Bromodichloromethane	U		0.23	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Bromoform	U		0.17	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Bromomethane	U		0.39	11	µg/Kg-dry	0.874	3/20/2013 15:19
Carbon disulfide	**3.0**	J	**0.41**	**5.6**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Carbon tetrachloride	U		0.23	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Chlorobenzene	U		0.25	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Chloroethane	U		0.63	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Chloroform	**0.73**	J	**0.29**	**5.6**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Chloromethane	U		0.34	11	µg/Kg-dry	0.874	3/20/2013 15:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-2
Collection Date: 3/15/2013 08:21 AM

Work Order: 1303495
Lab ID: 1303495-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	U		0.33	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
cis-1,3-Dichloropropene	U		0.20	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Cyclohexane	**1.9**	J	**0.36**	**5.6**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Dibromochloromethane	U		0.19	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Dichlorodifluoromethane	U		0.37	11	µg/Kg-dry	0.874	3/20/2013 15:19
Ethylbenzene	**0.30**	J	**0.22**	**5.6**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Isopropylbenzene	U		0.22	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
m,p-Xylene	**0.48**	J	**0.42**	**2.8**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Methyl acetate	U		0.90	11	µg/Kg-dry	0.874	3/20/2013 15:19
Methyl tert-butyl ether	U		0.28	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Methylcyclohexane	**2.2**	J	**0.31**	**11**	**µg/Kg-dry**	0.874	3/20/2013 15:19
Methylene chloride	U		0.32	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
o-Xylene	U		0.22	2.8	µg/Kg-dry	0.874	3/20/2013 15:19
Styrene	U		0.20	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Tetrachloroethene	U		0.33	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Toluene	**1.2**	J	**0.26**	**5.6**	**µg/Kg-dry**	0.874	3/20/2013 15:19
trans-1,2-Dichloroethene	U		0.33	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
trans-1,3-Dichloropropene	U		0.21	11	µg/Kg-dry	0.874	3/20/2013 15:19
Trichloroethene	U		0.26	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Trichlorofluoromethane	U		1.3	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Vinyl chloride	U		0.34	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Xylenes, Total	U		0.64	5.6	µg/Kg-dry	0.874	3/20/2013 15:19
Surr: 1,2-Dichloroethane-d4	*122*	S		*70-120*	*%REC*	0.874	3/20/2013 15:19
Surr: 4-Bromofluorobenzene	*99.3*			*75-120*	*%REC*	0.874	3/20/2013 15:19
Surr: Dibromofluoromethane	*104*			*85-115*	*%REC*	0.874	3/20/2013 15:19
Surr: Toluene-d8	*101*			*85-120*	*%REC*	0.874	3/20/2013 15:19
MOISTURE		Method: **A2540 G**					Analyst: **KF**
Moisture	**22**		**0.025**	**0.050**	**% of sample**	1	3/18/2013 14:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-3
Collection Date: 3/15/2013 08:43 AM

Work Order: 1303495
Lab ID: 1303495-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/18/13		Analyst: **JD**
2,4,5-T	U		6.5	330	µg/Kg-dry	5	3/22/2013 11:52
2,4,5-TP (Silvex)	U		4.4	670	µg/Kg-dry	5	3/22/2013 11:52
2,4-D	U		4.7	330	µg/Kg-dry	5	3/22/2013 11:52
2,4-DB	U		22	330	µg/Kg-dry	5	3/22/2013 11:52
Dalapon	U		22	330	µg/Kg-dry	5	3/22/2013 11:52
Dicamba	U		22	330	µg/Kg-dry	5	3/22/2013 11:52
Dichlorprop	U		22	330	µg/Kg-dry	5	3/22/2013 11:52
Dinoseb	U		22	330	µg/Kg-dry	5	3/22/2013 11:52
MCPA	U		2,200	11,000	µg/Kg-dry	5	3/22/2013 11:52
MCPP	U		2,200	11,000	µg/Kg-dry	5	3/22/2013 11:52
Surr: DCAA	*29.0*	S		*30-150*	*%REC*	5	3/22/2013 11:52
PESTICIDES		Method: **SW8081**			Prep: SW3541 / 3/19/13		Analyst: **JD**
4,4´-DDD	U		4.2	13	µg/Kg-dry	1	3/20/2013 20:22
4,4´-DDE	U		2.5	13	µg/Kg-dry	1	3/20/2013 20:22
4,4´-DDT	**7.0**	J	**3.0**	**13**	**µg/Kg-dry**	1	3/20/2013 20:22
Aldrin	U		1.2	13	µg/Kg-dry	1	3/20/2013 20:22
alpha-BHC	U		4.2	13	µg/Kg-dry	1	3/20/2013 20:22
alpha-Chlordane	U		3.6	13	µg/Kg-dry	1	3/20/2013 20:22
beta-BHC	U		4.9	13	µg/Kg-dry	1	3/20/2013 20:22
Chlordane, Technical	U		65	160	µg/Kg-dry	5	3/20/2013 17:00
delta-BHC	U		4.8	13	µg/Kg-dry	1	3/20/2013 20:22
Dieldrin	U		5.5	65	µg/Kg-dry	5	3/20/2013 17:00
Endosulfan I	U		8.5	65	µg/Kg-dry	5	3/20/2013 17:00
Endosulfan II	U		7.2	65	µg/Kg-dry	5	3/20/2013 17:00
Endosulfan sulfate	U		8.0	65	µg/Kg-dry	5	3/20/2013 17:00
Endrin	U		19	65	µg/Kg-dry	5	3/20/2013 17:00
Endrin aldehyde	U		16	65	µg/Kg-dry	5	3/20/2013 17:00
Endrin ketone	U		25	65	µg/Kg-dry	5	3/20/2013 17:00
gamma-BHC (Lindane)	U		6.0	13	µg/Kg-dry	1	3/20/2013 20:22
gamma-Chlordane	U		2.2	13	µg/Kg-dry	1	3/20/2013 20:22
Heptachlor	U		6.7	13	µg/Kg-dry	1	3/20/2013 20:22
Heptachlor epoxide	U		10	65	µg/Kg-dry	5	3/20/2013 17:00
Methoxychlor	U		16	65	µg/Kg-dry	5	3/20/2013 17:00
Toxaphene	U		76	390	µg/Kg-dry	5	3/20/2013 17:00
Surr: Decachlorobiphenyl	*100*			*45-135*	*%REC*	1	3/20/2013 20:22
Surr: Tetrachloro-m-xylene	*93.1*			*45-124*	*%REC*	1	3/20/2013 20:22
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/21/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-3
Collection Date: 3/15/2013 08:43 AM

Work Order: 1303495
Lab ID: 1303495-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	**0.050**		**0.00090**	**0.018**	**mg/Kg-dry**	1	3/21/2013 14:42
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/20/13		Analyst: **RH**
Arsenic	**8.2**		**0.071**	**0.53**	**mg/Kg-dry**	1	3/21/2013 08:01
Barium	**220**		**0.15**	**5.3**	**mg/Kg-dry**	10	3/21/2013 15:14
Cadmium	**0.36**		**0.0021**	**0.21**	**mg/Kg-dry**	1	3/21/2013 08:01
Chromium	**13**		**0.086**	**0.53**	**mg/Kg-dry**	1	3/21/2013 08:01
Lead	**42**		**0.0021**	**0.53**	**mg/Kg-dry**	1	3/21/2013 08:01
Selenium	**1.3**		**0.067**	**0.53**	**mg/Kg-dry**	1	3/21/2013 08:01
Silver	**0.044**	J	**0.0021**	**0.53**	**mg/Kg-dry**	1	3/21/2013 08:01
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
DRO (C10-C21)	**23**		**1.7**	**3.9**	**mg/Kg-dry**	1	3/21/2013 03:14
ORO (C21-C35)	**89**		**1.9**	**3.9**	**mg/Kg-dry**	1	3/21/2013 03:14
Surr: 4-Terphenyl-d14	*81.1*			*25-137*	*%REC*	1	3/21/2013 03:14
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
1,1`-Biphenyl	U		6.6	440	µg/Kg-dry	1	3/21/2013 03:14
2,4,5-Trichlorophenol	U		11	210	µg/Kg-dry	1	3/21/2013 03:14
2,4,6-Trichlorophenol	U		11	210	µg/Kg-dry	1	3/21/2013 03:14
2,4-Dichlorophenol	U		13	210	µg/Kg-dry	1	3/21/2013 03:14
2,4-Dimethylphenol	U		55	440	µg/Kg-dry	1	3/21/2013 03:14
2,4-Dinitrophenol	U		57	880	µg/Kg-dry	1	3/21/2013 03:14
2,4-Dinitrotoluene	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
2,6-Dinitrotoluene	U		13	210	µg/Kg-dry	1	3/21/2013 03:14
2-Chloronaphthalene	U		12	110	µg/Kg-dry	1	3/21/2013 03:14
2-Chlorophenol	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
2-Methylnaphthalene	U		13	110	µg/Kg-dry	1	3/21/2013 03:14
2-Methylphenol	U		13	210	µg/Kg-dry	1	3/21/2013 03:14
2-Nitroaniline	U		10	880	µg/Kg-dry	1	3/21/2013 03:14
2-Nitrophenol	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
3,3´-Dichlorobenzidine	U		13	880	µg/Kg-dry	1	3/21/2013 03:14
3-Nitroaniline	U		110	880	µg/Kg-dry	1	3/21/2013 03:14
4,6-Dinitro-2-methylphenol	U		64	440	µg/Kg-dry	1	3/21/2013 03:14
4-Bromophenyl phenyl ether	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
4-Chloro-3-methylphenol	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
4-Chloroaniline	U		17	880	µg/Kg-dry	1	3/21/2013 03:14
4-Chlorophenyl phenyl ether	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
4-Methylphenol	U		13	210	µg/Kg-dry	1	3/21/2013 03:14
4-Nitroaniline	U		20	880	µg/Kg-dry	1	3/21/2013 03:14
4-Nitrophenol	U		54	880	µg/Kg-dry	1	3/21/2013 03:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-3
Collection Date: 3/15/2013 08:43 AM

Work Order: 1303495
Lab ID: 1303495-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	**43**		**12**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Acenaphthylene	U		13	40	µg/Kg-dry	1	3/21/2013 03:14
Acetophenone	U		6.7	440	µg/Kg-dry	1	3/21/2013 03:14
Anthracene	**110**		**14**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Atrazine	U		14	440	µg/Kg-dry	1	3/21/2013 03:14
Benzaldehyde	U		17	440	µg/Kg-dry	1	3/21/2013 03:14
Benzo(a)anthracene	**360**		**16**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Benzo(a)pyrene	**280**		**21**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Benzo(b)fluoranthene	**460**		**22**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Benzo(g,h,i)perylene	**87**		**32**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Benzo(k)fluoranthene	**210**		**18**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Bis(2-chloroethoxy)methane	U		11	210	µg/Kg-dry	1	3/21/2013 03:14
Bis(2-chloroethyl)ether	U		11	210	µg/Kg-dry	1	3/21/2013 03:14
Bis(2-chloroisopropyl)ether	U		10	210	µg/Kg-dry	1	3/21/2013 03:14
Bis(2-ethylhexyl)phthalate	U		13	440	µg/Kg-dry	1	3/21/2013 03:14
Butyl benzyl phthalate	**52**	J	**19**	**210**	**µg/Kg-dry**	1	3/21/2013 03:14
Caprolactam	U		19	440	µg/Kg-dry	1	3/21/2013 03:14
Carbazole	U		15	210	µg/Kg-dry	1	3/21/2013 03:14
Chrysene	**360**		**15**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Dibenzo(a,h)anthracene	U		23	40	µg/Kg-dry	1	3/21/2013 03:14
Dibenzofuran	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
Diethyl phthalate	U		11	440	µg/Kg-dry	1	3/21/2013 03:14
Dimethyl phthalate	U		11	440	µg/Kg-dry	1	3/21/2013 03:14
Di-n-butyl phthalate	U		13	440	µg/Kg-dry	1	3/21/2013 03:14
Di-n-octyl phthalate	U		16	210	µg/Kg-dry	1	3/21/2013 03:14
Fluoranthene	**840**		**16**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Fluorene	**30**	J	**12**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Hexachlorobenzene	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
Hexachlorobutadiene	U		11	210	µg/Kg-dry	1	3/21/2013 03:14
Hexachlorocyclopentadiene	U		47	440	µg/Kg-dry	1	3/21/2013 03:14
Hexachloroethane	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
Indeno(1,2,3-cd)pyrene	**95**		**25**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Isophorone	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
Naphthalene	U		11	40	µg/Kg-dry	1	3/21/2013 03:14
Nitrobenzene	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
N-Nitrosodi-n-propylamine	U		12	210	µg/Kg-dry	1	3/21/2013 03:14
N-Nitrosodiphenylamine	U		80	210	µg/Kg-dry	1	3/21/2013 03:14
Pentachlorophenol	U		20	440	µg/Kg-dry	1	3/21/2013 03:14
Phenanthrene	**470**		**40**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Phenol	U		11	210	µg/Kg-dry	1	3/21/2013 03:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-3
Collection Date: 3/15/2013 08:43 AM

Work Order: 1303495
Lab ID: 1303495-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	**670**		**17**	**40**	**µg/Kg-dry**	1	3/21/2013 03:14
Surr: 2,4,6-Tribromophenol	*67.6*			*34-140*	*%REC*	1	3/21/2013 03:14
Surr: 2-Fluorobiphenyl	*61.5*			*12-100*	*%REC*	1	3/21/2013 03:14
Surr: 2-Fluorophenol	*80.3*			*33-117*	*%REC*	1	3/21/2013 03:14
Surr: 4-Terphenyl-d14	*81.1*			*25-137*	*%REC*	1	3/21/2013 03:14
Surr: Nitrobenzene-d5	*71.2*			*37-107*	*%REC*	1	3/21/2013 03:14
Surr: Phenol-d6	*78.2*			*40-106*	*%REC*	1	3/21/2013 03:14
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,700		µg/Kg-dry	1	3/20/2013 04:53
Surr: Toluene-d8	*98.2*			*70-130*	*%REC*	1	3/20/2013 04:53
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.24	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,1,2,2-Tetrachloroethane	U		0.15	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,1,2-Trichloroethane	U		0.21	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,1,2-Trichlorotrifluoroethane	U		0.30	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,1-Dichloroethane	U		0.28	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,1-Dichloroethene	U		0.25	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,2,4-Trichlorobenzene	U		0.23	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,2-Dibromo-3-chloropropane	U		0.22	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,2-Dibromoethane	U		0.22	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,2-Dichlorobenzene	U		0.22	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,2-Dichloroethane	U		0.30	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,2-Dichloropropane	U		0.28	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,3-Dichlorobenzene	U		0.21	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
1,4-Dichlorobenzene	U		0.23	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
2-Butanone	**22**		**0.84**	**11**	**µg/Kg-dry**	0.812	3/20/2013 19:08
2-Hexanone	U		0.33	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
4-Methyl-2-pentanone	U		0.22	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Acetone	**75**		**1.3**	**13**	**µg/Kg-dry**	1	3/20/2013 04:53
Benzene	U		0.27	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Bromodichloromethane	U		0.22	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Bromoform	U		0.17	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Bromomethane	U		0.38	11	µg/Kg-dry	0.812	3/20/2013 19:08
Carbon disulfide	U		0.40	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Carbon tetrachloride	U		0.22	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Chlorobenzene	U		0.24	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Chloroethane	U		0.61	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Chloroform	**0.62**	J	**0.29**	**5.5**	**µg/Kg-dry**	0.812	3/20/2013 19:08
Chloromethane	U		0.33	11	µg/Kg-dry	0.812	3/20/2013 19:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-3
Collection Date: 3/15/2013 08:43 AM

Work Order: 1303495
Lab ID: 1303495-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	U		0.32	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
cis-1,3-Dichloropropene	U		0.20	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Cyclohexane	U		0.35	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Dibromochloromethane	U		0.18	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Dichlorodifluoromethane	U		0.36	11	µg/Kg-dry	0.812	3/20/2013 19:08
Ethylbenzene	U		0.21	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Isopropylbenzene	U		0.21	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
m,p-Xylene	U		0.41	2.7	µg/Kg-dry	0.812	3/20/2013 19:08
Methyl acetate	U		0.88	11	µg/Kg-dry	0.812	3/20/2013 19:08
Methyl tert-butyl ether	U		0.28	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Methylcyclohexane	U		0.30	11	µg/Kg-dry	0.812	3/20/2013 19:08
Methylene chloride	U		0.31	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
o-Xylene	U		0.22	2.7	µg/Kg-dry	0.812	3/20/2013 19:08
Styrene	U		0.20	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Tetrachloroethene	U		0.33	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Toluene	**0.27**	J	**0.26**	**5.5**	**µg/Kg-dry**	0.812	3/20/2013 19:08
trans-1,2-Dichloroethene	U		0.32	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
trans-1,3-Dichloropropene	U		0.20	11	µg/Kg-dry	0.812	3/20/2013 19:08
Trichloroethene	U		0.25	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Trichlorofluoromethane	U		1.3	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Vinyl chloride	U		0.33	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Xylenes, Total	U		0.63	5.5	µg/Kg-dry	0.812	3/20/2013 19:08
Surr: 1,2-Dichloroethane-d4	*99.5*			*70-120*	*%REC*	1	3/20/2013 04:53
Surr: 1,2-Dichloroethane-d4	*119*			*70-120*	*%REC*	0.812	3/20/2013 19:08
Surr: 4-Bromofluorobenzene	*99.5*			*75-120*	*%REC*	1	3/20/2013 04:53
Surr: 4-Bromofluorobenzene	*103*			*75-120*	*%REC*	0.812	3/20/2013 19:08
Surr: Dibromofluoromethane	*98.1*			*85-115*	*%REC*	1	3/20/2013 04:53
Surr: Dibromofluoromethane	*101*			*85-115*	*%REC*	0.812	3/20/2013 19:08
Surr: Toluene-d8	*101*			*85-120*	*%REC*	1	3/20/2013 04:53
Surr: Toluene-d8	*98.7*			*85-120*	*%REC*	0.812	3/20/2013 19:08
MOISTURE		Method: **A2540 G**					Analyst: **KF**
Moisture	**26**		**0.025**	**0.050**	**% of sample**	1	3/18/2013 14:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-4
Collection Date: 3/15/2013 08:58 AM

Work Order: 1303495
Lab ID: 1303495-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/21/13		Analyst: **LR**
Mercury	**0.047**		**0.0011**	**0.023**	**mg/Kg-dry**	1	3/21/2013 14:50
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/20/13		Analyst: **RH**
Arsenic	**8.1**		**0.086**	**0.63**	**mg/Kg-dry**	1	3/21/2013 08:07
Barium	**230**		**0.18**	**6.3**	**mg/Kg-dry**	10	3/21/2013 15:26
Cadmium	**0.38**		**0.0025**	**0.25**	**mg/Kg-dry**	1	3/21/2013 08:07
Chromium	**14**		**0.10**	**0.63**	**mg/Kg-dry**	1	3/21/2013 08:07
Lead	**26**		**0.0025**	**0.63**	**mg/Kg-dry**	1	3/21/2013 08:07
Selenium	**1.5**		**0.081**	**0.63**	**mg/Kg-dry**	1	3/21/2013 08:07
Silver	**0.045**	J	**0.0025**	**0.63**	**mg/Kg-dry**	1	3/21/2013 08:07
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
DRO (C10-C21)	**25**		**1.9**	**4.4**	**mg/Kg-dry**	1	3/21/2013 03:43
ORO (C21-C35)	**76**		**2.1**	**4.4**	**mg/Kg-dry**	1	3/21/2013 03:43
Surr: 4-Terphenyl-d14	*89.8*			*25-137*	*%REC*	1	3/21/2013 03:43
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
1,1`-Biphenyl	U		7.5	500	µg/Kg-dry	1	3/21/2013 03:43
2,4,5-Trichlorophenol	U		12	240	µg/Kg-dry	1	3/21/2013 03:43
2,4,6-Trichlorophenol	U		12	240	µg/Kg-dry	1	3/21/2013 03:43
2,4-Dichlorophenol	U		15	240	µg/Kg-dry	1	3/21/2013 03:43
2,4-Dimethylphenol	U		62	500	µg/Kg-dry	1	3/21/2013 03:43
2,4-Dinitrophenol	U		65	1,000	µg/Kg-dry	1	3/21/2013 03:43
2,4-Dinitrotoluene	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
2,6-Dinitrotoluene	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
2-Chloronaphthalene	U		14	120	µg/Kg-dry	1	3/21/2013 03:43
2-Chlorophenol	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
2-Methylnaphthalene	U		15	120	µg/Kg-dry	1	3/21/2013 03:43
2-Methylphenol	U		15	240	µg/Kg-dry	1	3/21/2013 03:43
2-Nitroaniline	U		12	1,000	µg/Kg-dry	1	3/21/2013 03:43
2-Nitrophenol	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
3,3´-Dichlorobenzidine	U		14	1,000	µg/Kg-dry	1	3/21/2013 03:43
3-Nitroaniline	U		120	1,000	µg/Kg-dry	1	3/21/2013 03:43
4,6-Dinitro-2-methylphenol	U		73	500	µg/Kg-dry	1	3/21/2013 03:43
4-Bromophenyl phenyl ether	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
4-Chloro-3-methylphenol	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
4-Chloroaniline	U		19	1,000	µg/Kg-dry	1	3/21/2013 03:43
4-Chlorophenyl phenyl ether	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
4-Methylphenol	U		15	240	µg/Kg-dry	1	3/21/2013 03:43
4-Nitroaniline	U		22	1,000	µg/Kg-dry	1	3/21/2013 03:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-4
Collection Date: 3/15/2013 08:58 AM

Work Order: 1303495
Lab ID: 1303495-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		62	1,000	µg/Kg-dry	1	3/21/2013 03:43
Acenaphthene	U		14	46	µg/Kg-dry	1	3/21/2013 03:43
Acenaphthylene	U		14	46	µg/Kg-dry	1	3/21/2013 03:43
Acetophenone	U		7.6	500	µg/Kg-dry	1	3/21/2013 03:43
Anthracene	U		15	46	µg/Kg-dry	1	3/21/2013 03:43
Atrazine	U		15	500	µg/Kg-dry	1	3/21/2013 03:43
Benzaldehyde	U		19	500	µg/Kg-dry	1	3/21/2013 03:43
Benzo(a)anthracene	**34**	J	**19**	**46**	**µg/Kg-dry**	1	3/21/2013 03:43
Benzo(a)pyrene	U		23	46	µg/Kg-dry	1	3/21/2013 03:43
Benzo(b)fluoranthene	**80**		**25**	**46**	**µg/Kg-dry**	1	3/21/2013 03:43
Benzo(g,h,i)perylene	U		36	46	µg/Kg-dry	1	3/21/2013 03:43
Benzo(k)fluoranthene	**30**	J	**21**	**46**	**µg/Kg-dry**	1	3/21/2013 03:43
Bis(2-chloroethoxy)methane	U		12	240	µg/Kg-dry	1	3/21/2013 03:43
Bis(2-chloroethyl)ether	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
Bis(2-chloroisopropyl)ether	U		12	240	µg/Kg-dry	1	3/21/2013 03:43
Bis(2-ethylhexyl)phthalate	U		15	500	µg/Kg-dry	1	3/21/2013 03:43
Butyl benzyl phthalate	U		21	240	µg/Kg-dry	1	3/21/2013 03:43
Caprolactam	U		22	500	µg/Kg-dry	1	3/21/2013 03:43
Carbazole	U		17	240	µg/Kg-dry	1	3/21/2013 03:43
Chrysene	**49**		**17**	**46**	**µg/Kg-dry**	1	3/21/2013 03:43
Dibenzo(a,h)anthracene	U		26	46	µg/Kg-dry	1	3/21/2013 03:43
Dibenzofuran	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
Diethyl phthalate	U		13	500	µg/Kg-dry	1	3/21/2013 03:43
Dimethyl phthalate	U		13	500	µg/Kg-dry	1	3/21/2013 03:43
Di-n-butyl phthalate	U		15	500	µg/Kg-dry	1	3/21/2013 03:43
Di-n-octyl phthalate	U		19	240	µg/Kg-dry	1	3/21/2013 03:43
Fluoranthene	**85**		**18**	**46**	**µg/Kg-dry**	1	3/21/2013 03:43
Fluorene	U		13	46	µg/Kg-dry	1	3/21/2013 03:43
Hexachlorobenzene	U		14	240	µg/Kg-dry	1	3/21/2013 03:43
Hexachlorobutadiene	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
Hexachlorocyclopentadiene	U		53	500	µg/Kg-dry	1	3/21/2013 03:43
Hexachloroethane	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
Indeno(1,2,3-cd)pyrene	U		29	46	µg/Kg-dry	1	3/21/2013 03:43
Isophorone	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
Naphthalene	U		13	46	µg/Kg-dry	1	3/21/2013 03:43
Nitrobenzene	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
N-Nitrosodi-n-propylamine	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
N-Nitrosodiphenylamine	U		90	240	µg/Kg-dry	1	3/21/2013 03:43
Pentachlorophenol	U		22	500	µg/Kg-dry	1	3/21/2013 03:43
Phenanthrene	U		46	46	µg/Kg-dry	1	3/21/2013 03:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-4
Collection Date: 3/15/2013 08:58 AM

Work Order: 1303495
Lab ID: 1303495-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		13	240	µg/Kg-dry	1	3/21/2013 03:43
Pyrene	**66**		**19**	**46**	**µg/Kg-dry**	1	3/21/2013 03:43
Surr: 2,4,6-Tribromophenol	*78.3*			*34-140*	*%REC*	1	3/21/2013 03:43
Surr: 2-Fluorobiphenyl	*64.9*			*12-100*	*%REC*	1	3/21/2013 03:43
Surr: 2-Fluorophenol	*85.9*			*33-117*	*%REC*	1	3/21/2013 03:43
Surr: 4-Terphenyl-d14	*89.8*			*25-137*	*%REC*	1	3/21/2013 03:43
Surr: Nitrobenzene-d5	*74.2*			*37-107*	*%REC*	1	3/21/2013 03:43
Surr: Phenol-d6	*83.9*			*40-106*	*%REC*	1	3/21/2013 03:43
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,900		µg/Kg-dry	1	3/20/2013 05:16
Surr: Toluene-d8	*97.8*			*70-130*	*%REC*	1	3/20/2013 05:16
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.29	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,1,2,2-Tetrachloroethane	U		0.19	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,1,2-Trichloroethane	U		0.26	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,1,2-Trichlorotrifluoroethane	U		0.37	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,1-Dichloroethane	U		0.34	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,1-Dichloroethene	U		0.30	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,2,4-Trichlorobenzene	U		0.28	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,2-Dibromo-3-chloropropane	U		0.26	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,2-Dibromoethane	U		0.27	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,2-Dichlorobenzene	U		0.27	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,2-Dichloroethane	U		0.37	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,2-Dichloropropane	U		0.35	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,3-Dichlorobenzene	U		0.25	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
1,4-Dichlorobenzene	U		0.28	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
2-Butanone	**24**		**1.0**	**13**	**µg/Kg-dry**	0.864	3/20/2013 16:14
2-Hexanone	U		0.40	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
4-Methyl-2-pentanone	U		0.26	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Acetone	**130**		**1.3**	**13**	**µg/Kg-dry**	0.864	3/20/2013 16:14
Benzene	U		0.33	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Bromodichloromethane	U		0.28	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Bromoform	U		0.21	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Bromomethane	U		0.47	13	µg/Kg-dry	0.864	3/20/2013 16:14
Carbon disulfide	U		0.49	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Carbon tetrachloride	U		0.27	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Chlorobenzene	U		0.30	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Chloroethane	U		0.75	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Chloroform	**0.79**	J	**0.35**	**6.7**	**µg/Kg-dry**	0.864	3/20/2013 16:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-4
Collection Date: 3/15/2013 08:58 AM

Work Order: 1303495
Lab ID: 1303495-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.41	13	µg/Kg-dry	0.864	3/20/2013 16:14
cis-1,2-Dichloroethene	U		0.40	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
cis-1,3-Dichloropropene	U		0.24	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Cyclohexane	U		0.43	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Dibromochloromethane	U		0.23	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Dichlorodifluoromethane	U		0.44	13	µg/Kg-dry	0.864	3/20/2013 16:14
Ethylbenzene	U		0.26	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Isopropylbenzene	U		0.26	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
m,p-Xylene	U		0.50	3.3	µg/Kg-dry	0.864	3/20/2013 16:14
Methyl acetate	U		1.1	13	µg/Kg-dry	0.864	3/20/2013 16:14
Methyl tert-butyl ether	U		0.34	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Methylcyclohexane	U		0.37	13	µg/Kg-dry	0.864	3/20/2013 16:14
Methylene chloride	U		0.38	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
o-Xylene	U		0.27	3.3	µg/Kg-dry	0.864	3/20/2013 16:14
Styrene	U		0.24	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Tetrachloroethene	U		0.40	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Toluene	**0.60**	J	**0.32**	**6.7**	**µg/Kg-dry**	0.864	3/20/2013 16:14
trans-1,2-Dichloroethene	U		0.39	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
trans-1,3-Dichloropropene	U		0.25	13	µg/Kg-dry	0.864	3/20/2013 16:14
Trichloroethene	U		0.31	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Trichlorofluoromethane	U		1.6	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Vinyl chloride	U		0.41	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Xylenes, Total	U		0.77	6.7	µg/Kg-dry	0.864	3/20/2013 16:14
Surr: 1,2-Dichloroethane-d4	*115*			*70-120*	*%REC*	0.864	3/20/2013 16:14
Surr: 4-Bromofluorobenzene	*103*			*75-120*	*%REC*	0.864	3/20/2013 16:14
Surr: Dibromofluoromethane	*103*			*85-115*	*%REC*	0.864	3/20/2013 16:14
Surr: Toluene-d8	*99.3*			*85-120*	*%REC*	0.864	3/20/2013 16:14
MOISTURE		Method:	**A2540 G**				Analyst: **KF**
Moisture	**35**		**0.025**	**0.050**	**% of sample**	1	3/18/2013 14:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-5
Collection Date: 3/15/2013 09:19 AM

Work Order: 1303495
Lab ID: 1303495-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/18/13		Analyst: **JD**
2,4,5-T	U		12	630	µg/Kg-dry	10	3/22/2013 12:07
2,4,5-TP (Silvex)	U		8.3	1,300	µg/Kg-dry	10	3/22/2013 12:07
2,4-D	U		8.9	630	µg/Kg-dry	10	3/22/2013 12:07
2,4-DB	U		41	630	µg/Kg-dry	10	3/22/2013 12:07
Dalapon	U		41	630	µg/Kg-dry	10	3/22/2013 12:07
Dicamba	U		41	630	µg/Kg-dry	10	3/22/2013 12:07
Dichlorprop	U		41	630	µg/Kg-dry	10	3/22/2013 12:07
Dinoseb	U		41	630	µg/Kg-dry	10	3/22/2013 12:07
MCPA	U		4,100	21,000	µg/Kg-dry	10	3/22/2013 12:07
MCPP	U		4,100	21,000	µg/Kg-dry	10	3/22/2013 12:07
Surr: DCAA	*12.0*	S		*30-150*	*%REC*	10	3/22/2013 12:07
PESTICIDES		Method: **SW8081**			Prep: SW3541 / 3/19/13		Analyst: **JD**
4,4´-DDD	**11**	J	**3.9**	**12**	**µg/Kg-dry**	1	3/20/2013 20:38
4,4´-DDE	**55**		**2.4**	**12**	**µg/Kg-dry**	1	3/20/2013 20:38
4,4´-DDT	**19**		**2.8**	**12**	**µg/Kg-dry**	1	3/20/2013 20:38
Aldrin	U		1.1	12	µg/Kg-dry	1	3/20/2013 20:38
alpha-BHC	U		3.9	12	µg/Kg-dry	1	3/20/2013 20:38
alpha-Chlordane	U		3.4	12	µg/Kg-dry	1	3/20/2013 20:38
beta-BHC	U		4.6	12	µg/Kg-dry	1	3/20/2013 20:38
Chlordane, Technical	U		61	150	µg/Kg-dry	5	3/20/2013 17:16
delta-BHC	U		4.5	12	µg/Kg-dry	1	3/20/2013 20:38
Dieldrin	U		5.2	62	µg/Kg-dry	5	3/20/2013 17:16
Endosulfan I	U		8.0	62	µg/Kg-dry	5	3/20/2013 17:16
Endosulfan II	U		6.8	62	µg/Kg-dry	5	3/20/2013 17:16
Endosulfan sulfate	U		7.5	62	µg/Kg-dry	5	3/20/2013 17:16
Endrin	U		18	62	µg/Kg-dry	5	3/20/2013 17:16
Endrin aldehyde	U		15	62	µg/Kg-dry	5	3/20/2013 17:16
Endrin ketone	U		24	62	µg/Kg-dry	5	3/20/2013 17:16
gamma-BHC (Lindane)	U		5.7	12	µg/Kg-dry	1	3/20/2013 20:38
gamma-Chlordane	U		2.1	12	µg/Kg-dry	1	3/20/2013 20:38
Heptachlor	U		6.3	12	µg/Kg-dry	1	3/20/2013 20:38
Heptachlor epoxide	U		9.7	62	µg/Kg-dry	5	3/20/2013 17:16
Methoxychlor	U		15	62	µg/Kg-dry	5	3/20/2013 17:16
Toxaphene	U		72	370	µg/Kg-dry	5	3/20/2013 17:16
Surr: Decachlorobiphenyl	*111*			*45-135*	*%REC*	1	3/20/2013 20:38
Surr: Tetrachloro-m-xylene	*101*			*45-124*	*%REC*	1	3/20/2013 20:38
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/21/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-5
Collection Date: 3/15/2013 09:19 AM

Work Order: 1303495
Lab ID: 1303495-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	**3.4**		**0.044**	**0.87**	**mg/Kg-dry**	50	3/21/2013 15:14
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/20/13		Analyst: **RH**
Arsenic	**5.7**		**0.063**	**0.46**	**mg/Kg-dry**	1	3/21/2013 08:13
Barium	**160**		**0.013**	**0.46**	**mg/Kg-dry**	1	3/21/2013 08:13
Cadmium	**1.2**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/21/2013 08:13
Chromium	**9.3**		**0.076**	**0.46**	**mg/Kg-dry**	1	3/21/2013 08:13
Lead	**94**		**0.0019**	**0.46**	**mg/Kg-dry**	1	3/21/2013 08:13
Selenium	**0.81**		**0.059**	**0.46**	**mg/Kg-dry**	1	3/21/2013 08:13
Silver	**0.068**	J	**0.0019**	**0.46**	**mg/Kg-dry**	1	3/21/2013 08:13
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
DRO (C10-C21)	**92**		**1.6**	**3.7**	**mg/Kg-dry**	1	3/21/2013 04:12
ORO (C21-C35)	**390**		**1.8**	**3.7**	**mg/Kg-dry**	1	3/21/2013 04:12
Surr: 4-Terphenyl-d14	*98.8*			*25-137*	*%REC*	20	3/21/2013 15:57
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
1,1`-Biphenyl	**96**	J	**6.3**	**420**	**µg/Kg-dry**	1	3/21/2013 04:12
2,4,5-Trichlorophenol	U		10	200	µg/Kg-dry	1	3/21/2013 04:12
2,4,6-Trichlorophenol	U		10	200	µg/Kg-dry	1	3/21/2013 04:12
2,4-Dichlorophenol	U		12	200	µg/Kg-dry	1	3/21/2013 04:12
2,4-Dimethylphenol	U		52	420	µg/Kg-dry	1	3/21/2013 04:12
2,4-Dinitrophenol	U		54	840	µg/Kg-dry	1	3/21/2013 04:12
2,4-Dinitrotoluene	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
2,6-Dinitrotoluene	U		12	200	µg/Kg-dry	1	3/21/2013 04:12
2-Chloronaphthalene	U		12	100	µg/Kg-dry	1	3/21/2013 04:12
2-Chlorophenol	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
2-Methylnaphthalene	**240**		**12**	**100**	**µg/Kg-dry**	1	3/21/2013 04:12
2-Methylphenol	U		12	200	µg/Kg-dry	1	3/21/2013 04:12
2-Nitroaniline	U		9.7	840	µg/Kg-dry	1	3/21/2013 04:12
2-Nitrophenol	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
3,3´-Dichlorobenzidine	U		12	840	µg/Kg-dry	1	3/21/2013 04:12
3-Nitroaniline	U		100	840	µg/Kg-dry	1	3/21/2013 04:12
4,6-Dinitro-2-methylphenol	U		61	420	µg/Kg-dry	1	3/21/2013 04:12
4-Bromophenyl phenyl ether	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
4-Chloro-3-methylphenol	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
4-Chloroaniline	U		16	840	µg/Kg-dry	1	3/21/2013 04:12
4-Chlorophenyl phenyl ether	U		12	200	µg/Kg-dry	1	3/21/2013 04:12
4-Methylphenol	**220**		**12**	**200**	**µg/Kg-dry**	1	3/21/2013 04:12
4-Nitroaniline	U		19	840	µg/Kg-dry	1	3/21/2013 04:12
4-Nitrophenol	U		51	840	µg/Kg-dry	1	3/21/2013 04:12

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-5
Collection Date: 3/15/2013 09:19 AM

Work Order: 1303495
Lab ID: 1303495-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	**3,900**		**230**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Acenaphthylene	**30**	J	**12**	**38**	**µg/Kg-dry**	1	3/21/2013 04:12
Acetophenone	U		6.3	420	µg/Kg-dry	1	3/21/2013 04:12
Anthracene	**5,900**		**260**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Atrazine	U		13	420	µg/Kg-dry	1	3/21/2013 04:12
Benzaldehyde	U		16	420	µg/Kg-dry	1	3/21/2013 04:12
Benzo(a)anthracene	**12,000**		**310**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Benzo(a)pyrene	**9,700**		**390**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Benzo(b)fluoranthene	**12,000**		**410**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Benzo(g,h,i)perylene	**2,200**		**30**	**38**	**µg/Kg-dry**	1	3/21/2013 04:12
Benzo(k)fluoranthene	**7,100**		**350**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Bis(2-chloroethoxy)methane	U		10	200	µg/Kg-dry	1	3/21/2013 04:12
Bis(2-chloroethyl)ether	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
Bis(2-chloroisopropyl)ether	U		9.9	200	µg/Kg-dry	1	3/21/2013 04:12
Bis(2-ethylhexyl)phthalate	U		13	420	µg/Kg-dry	1	3/21/2013 04:12
Butyl benzyl phthalate	**94**	J	**18**	**200**	**µg/Kg-dry**	1	3/21/2013 04:12
Caprolactam	U		18	420	µg/Kg-dry	1	3/21/2013 04:12
Carbazole	U		15	200	µg/Kg-dry	1	3/21/2013 04:12
Chrysene	**12,000**		**290**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Dibenzo(a,h)anthracene	**1,300**		**22**	**38**	**µg/Kg-dry**	1	3/21/2013 04:12
Dibenzofuran	**1,700**		**12**	**200**	**µg/Kg-dry**	1	3/21/2013 04:12
Diethyl phthalate	U		11	420	µg/Kg-dry	1	3/21/2013 04:12
Dimethyl phthalate	U		11	420	µg/Kg-dry	1	3/21/2013 04:12
Di-n-butyl phthalate	U		13	420	µg/Kg-dry	1	3/21/2013 04:12
Di-n-octyl phthalate	U		16	200	µg/Kg-dry	1	3/21/2013 04:12
Fluoranthene	**31,000**		**300**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Fluorene	U		11	38	µg/Kg-dry	1	3/21/2013 04:12
Hexachlorobenzene	U		12	200	µg/Kg-dry	1	3/21/2013 04:12
Hexachlorobutadiene	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
Hexachlorocyclopentadiene	U		44	420	µg/Kg-dry	1	3/21/2013 04:12
Hexachloroethane	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
Indeno(1,2,3-cd)pyrene	**2,500**		**24**	**38**	**µg/Kg-dry**	1	3/21/2013 04:12
Isophorone	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
Naphthalene	**240**		**11**	**38**	**µg/Kg-dry**	1	3/21/2013 04:12
Nitrobenzene	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
N-Nitrosodi-n-propylamine	U		11	200	µg/Kg-dry	1	3/21/2013 04:12
N-Nitrosodiphenylamine	U		76	200	µg/Kg-dry	1	3/21/2013 04:12
Pentachlorophenol	U		19	420	µg/Kg-dry	1	3/21/2013 04:12
Phenanthrene	**24,000**		**760**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Phenol	U		11	200	µg/Kg-dry	1	3/21/2013 04:12

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-5
Collection Date: 3/15/2013 09:19 AM

Work Order: 1303495
Lab ID: 1303495-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	**27,000**		**320**	**760**	**µg/Kg-dry**	20	3/21/2013 15:57
Surr: 2,4,6-Tribromophenol	*92.5*			*34-140*	*%REC*	1	3/21/2013 04:12
Surr: 2-Fluorobiphenyl	*66.8*			*12-100*	*%REC*	1	3/21/2013 04:12
Surr: 2-Fluorophenol	*82.5*			*33-117*	*%REC*	1	3/21/2013 04:12
Surr: 4-Terphenyl-d14	*98.8*			*25-137*	*%REC*	20	3/21/2013 15:57
Surr: Nitrobenzene-d5	*74.2*			*37-107*	*%REC*	1	3/21/2013 04:12
Surr: Phenol-d6	*83.6*			*40-106*	*%REC*	1	3/21/2013 04:12
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/20/2013 05:39
Surr: Toluene-d8	*99.0*			*70-130*	*%REC*	1	3/20/2013 05:39
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.22	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,1,2,2-Tetrachloroethane	U		0.14	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,1,2-Trichloroethane	U		0.20	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,1,2-Trichlorotrifluoroethane	U		0.28	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,1-Dichloroethane	U		0.26	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,1-Dichloroethene	U		0.23	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,2,4-Trichlorobenzene	U		0.21	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,2-Dibromo-3-chloropropane	U		0.20	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,2-Dibromoethane	U		0.21	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,2-Dichlorobenzene	U		0.21	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,2-Dichloroethane	U		0.28	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,2-Dichloropropane	U		0.26	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,3-Dichlorobenzene	U		0.19	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
1,4-Dichlorobenzene	U		0.21	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
2-Butanone	**13**		**0.78**	**10**	**µg/Kg-dry**	0.792	3/20/2013 16:42
2-Hexanone	U		0.31	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
4-Methyl-2-pentanone	U		0.20	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Acetone	**97**		**0.96**	**10**	**µg/Kg-dry**	0.792	3/20/2013 16:42
Benzene	U		0.25	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Bromodichloromethane	U		0.21	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Bromoform	U		0.16	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Bromomethane	U		0.36	10	µg/Kg-dry	0.792	3/20/2013 16:42
Carbon disulfide	**0.85**	J	**0.38**	**5.1**	**µg/Kg-dry**	0.792	3/20/2013 16:42
Carbon tetrachloride	U		0.21	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Chlorobenzene	U		0.23	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Chloroethane	U		0.57	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Chloroform	**0.63**	J	**0.27**	**5.1**	**µg/Kg-dry**	0.792	3/20/2013 16:42
Chloromethane	U		0.31	10	µg/Kg-dry	0.792	3/20/2013 16:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-5
Collection Date: 3/15/2013 09:19 AM

Work Order: 1303495
Lab ID: 1303495-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	U		0.30	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
cis-1,3-Dichloropropene	U		0.18	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Cyclohexane	U		0.33	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Dibromochloromethane	U		0.17	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Dichlorodifluoromethane	U		0.34	10	µg/Kg-dry	0.792	3/20/2013 16:42
Ethylbenzene	U		0.20	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Isopropylbenzene	U		0.20	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
m,p-Xylene	U		0.38	2.6	µg/Kg-dry	0.792	3/20/2013 16:42
Methyl acetate	U		0.82	10	µg/Kg-dry	0.792	3/20/2013 16:42
Methyl tert-butyl ether	U		0.26	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Methylcyclohexane	U		0.28	10	µg/Kg-dry	0.792	3/20/2013 16:42
Methylene chloride	U		0.29	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
o-Xylene	U		0.20	2.6	µg/Kg-dry	0.792	3/20/2013 16:42
Styrene	U		0.19	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Tetrachloroethene	U		0.31	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Toluene	**0.35**	J	**0.24**	**5.1**	**µg/Kg-dry**	0.792	3/20/2013 16:42
trans-1,2-Dichloroethene	U		0.30	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
trans-1,3-Dichloropropene	U		0.19	10	µg/Kg-dry	0.792	3/20/2013 16:42
Trichloroethene	U		0.24	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Trichlorofluoromethane	U		1.2	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Vinyl chloride	U		0.31	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Xylenes, Total	U		0.59	5.1	µg/Kg-dry	0.792	3/20/2013 16:42
Surr: 1,2-Dichloroethane-d4	*120*			*70-120*	*%REC*	0.792	3/20/2013 16:42
Surr: 4-Bromofluorobenzene	*106*			*75-120*	*%REC*	0.792	3/20/2013 16:42
Surr: Dibromofluoromethane	*106*			*85-115*	*%REC*	0.792	3/20/2013 16:42
Surr: Toluene-d8	*99.2*			*85-120*	*%REC*	0.792	3/20/2013 16:42
MOISTURE		Method: **A2540 G**					Analyst: **KF**
Moisture	**22**		**0.025**	**0.050**	**% of sample**	1	3/18/2013 14:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-6
Collection Date: 3/15/2013 09:46 AM

Work Order: 1303495
Lab ID: 1303495-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/18/13		Analyst: **JD**
2,4,5-T	U		6.8	350	µg/Kg-dry	5	3/22/2013 12:22
2,4,5-TP (Silvex)	U		4.6	690	µg/Kg-dry	5	3/22/2013 12:22
2,4-D	U		5.0	350	µg/Kg-dry	5	3/22/2013 12:22
2,4-DB	U		23	350	µg/Kg-dry	5	3/22/2013 12:22
Dalapon	U		23	350	µg/Kg-dry	5	3/22/2013 12:22
Dicamba	U		23	350	µg/Kg-dry	5	3/22/2013 12:22
Dichlorprop	U		23	350	µg/Kg-dry	5	3/22/2013 12:22
Dinoseb	U		23	350	µg/Kg-dry	5	3/22/2013 12:22
MCPA	U		2,300	12,000	µg/Kg-dry	5	3/22/2013 12:22
MCPP	U		2,300	12,000	µg/Kg-dry	5	3/22/2013 12:22
Surr: DCAA	*28.0*	S		*30-150*	*%REC*	5	3/22/2013 12:22
PESTICIDES		Method: **SW8081**			Prep: SW3541 / 3/19/13		Analyst: **JD**
4,4´-DDD	U		4.3	13	µg/Kg-dry	1	3/20/2013 20:53
4,4´-DDE	**5.3**	J	**2.6**	**13**	**µg/Kg-dry**	1	3/20/2013 20:53
4,4´-DDT	**6.7**	J	**3.1**	**13**	**µg/Kg-dry**	1	3/20/2013 20:53
Aldrin	U		1.2	13	µg/Kg-dry	1	3/20/2013 20:53
alpha-BHC	U		4.3	13	µg/Kg-dry	1	3/20/2013 20:53
alpha-Chlordane	U		3.7	13	µg/Kg-dry	1	3/20/2013 20:53
beta-BHC	U		5.1	13	µg/Kg-dry	1	3/20/2013 20:53
Chlordane, Technical	U		66	170	µg/Kg-dry	5	3/20/2013 17:31
delta-BHC	U		4.9	13	µg/Kg-dry	1	3/20/2013 20:53
Dieldrin	U		5.7	67	µg/Kg-dry	5	3/20/2013 17:31
Endosulfan I	U		8.7	67	µg/Kg-dry	5	3/20/2013 17:31
Endosulfan II	U		7.4	67	µg/Kg-dry	5	3/20/2013 17:31
Endosulfan sulfate	U		8.2	67	µg/Kg-dry	5	3/20/2013 17:31
Endrin	U		19	67	µg/Kg-dry	5	3/20/2013 17:31
Endrin aldehyde	U		16	67	µg/Kg-dry	5	3/20/2013 17:31
Endrin ketone	U		26	67	µg/Kg-dry	5	3/20/2013 17:31
gamma-BHC (Lindane)	U		6.2	13	µg/Kg-dry	1	3/20/2013 20:53
gamma-Chlordane	U		2.2	13	µg/Kg-dry	1	3/20/2013 20:53
Heptachlor	U		6.9	13	µg/Kg-dry	1	3/20/2013 20:53
Heptachlor epoxide	U		11	67	µg/Kg-dry	5	3/20/2013 17:31
Methoxychlor	U		16	67	µg/Kg-dry	5	3/20/2013 17:31
Toxaphene	U		78	400	µg/Kg-dry	5	3/20/2013 17:31
Surr: Decachlorobiphenyl	*113*			*45-135*	*%REC*	1	3/20/2013 20:53
Surr: Tetrachloro-m-xylene	*115*			*45-124*	*%REC*	1	3/20/2013 20:53
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/21/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-6
Collection Date: 3/15/2013 09:46 AM

Work Order: 1303495
Lab ID: 1303495-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	**0.22**		**0.00098**	**0.020**	**mg/Kg-dry**	1	3/21/2013 15:16
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/20/13		Analyst: **RH**
Arsenic	**6.2**		**0.070**	**0.52**	**mg/Kg-dry**	1	3/21/2013 08:19
Barium	**180**		**0.014**	**0.52**	**mg/Kg-dry**	1	3/21/2013 08:19
Cadmium	**3.9**		**0.0021**	**0.21**	**mg/Kg-dry**	1	3/21/2013 08:19
Chromium	**12**		**0.085**	**0.52**	**mg/Kg-dry**	1	3/21/2013 08:19
Lead	**180**		**0.021**	**5.2**	**mg/Kg-dry**	10	3/21/2013 15:32
Selenium	**1.2**		**0.066**	**0.52**	**mg/Kg-dry**	1	3/21/2013 08:19
Silver	**0.21**	J	**0.0021**	**0.52**	**mg/Kg-dry**	1	3/21/2013 08:19
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
DRO (C10-C21)	**32**		**1.7**	**4.1**	**mg/Kg-dry**	1	3/21/2013 04:41
ORO (C21-C35)	**70**		**1.9**	**4.1**	**mg/Kg-dry**	1	3/21/2013 04:41
Surr: 4-Terphenyl-d14	*85.2*			*25-137*	*%REC*	1	3/21/2013 04:41
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/20/13		Analyst: **RM**
1,1`-Biphenyl	U		6.9	460	µg/Kg-dry	1	3/21/2013 04:41
2,4,5-Trichlorophenol	U		11	220	µg/Kg-dry	1	3/21/2013 04:41
2,4,6-Trichlorophenol	U		11	220	µg/Kg-dry	1	3/21/2013 04:41
2,4-Dichlorophenol	U		14	220	µg/Kg-dry	1	3/21/2013 04:41
2,4-Dimethylphenol	U		57	460	µg/Kg-dry	1	3/21/2013 04:41
2,4-Dinitrophenol	U		59	920	µg/Kg-dry	1	3/21/2013 04:41
2,4-Dinitrotoluene	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
2,6-Dinitrotoluene	U		13	220	µg/Kg-dry	1	3/21/2013 04:41
2-Chloronaphthalene	U		13	110	µg/Kg-dry	1	3/21/2013 04:41
2-Chlorophenol	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
2-Methylnaphthalene	**150**		**14**	**110**	**µg/Kg-dry**	1	3/21/2013 04:41
2-Methylphenol	U		13	220	µg/Kg-dry	1	3/21/2013 04:41
2-Nitroaniline	U		11	920	µg/Kg-dry	1	3/21/2013 04:41
2-Nitrophenol	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
3,3´-Dichlorobenzidine	U		13	920	µg/Kg-dry	1	3/21/2013 04:41
3-Nitroaniline	U		110	920	µg/Kg-dry	1	3/21/2013 04:41
4,6-Dinitro-2-methylphenol	U		67	460	µg/Kg-dry	1	3/21/2013 04:41
4-Bromophenyl phenyl ether	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
4-Chloro-3-methylphenol	U		13	220	µg/Kg-dry	1	3/21/2013 04:41
4-Chloroaniline	U		18	920	µg/Kg-dry	1	3/21/2013 04:41
4-Chlorophenyl phenyl ether	U		13	220	µg/Kg-dry	1	3/21/2013 04:41
4-Methylphenol	U		14	220	µg/Kg-dry	1	3/21/2013 04:41
4-Nitroaniline	U		21	920	µg/Kg-dry	1	3/21/2013 04:41
4-Nitrophenol	U		56	920	µg/Kg-dry	1	3/21/2013 04:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-6
Collection Date: 3/15/2013 09:46 AM

Work Order: 1303495
Lab ID: 1303495-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	U		13	42	µg/Kg-dry	1	3/21/2013 04:41
Acenaphthylene	U		13	42	µg/Kg-dry	1	3/21/2013 04:41
Acetophenone	U		7.0	460	µg/Kg-dry	1	3/21/2013 04:41
Anthracene	**33**	J	**14**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Atrazine	U		14	460	µg/Kg-dry	1	3/21/2013 04:41
Benzaldehyde	U		18	460	µg/Kg-dry	1	3/21/2013 04:41
Benzo(a)anthracene	**140**		**17**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Benzo(a)pyrene	**130**		**22**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Benzo(b)fluoranthene	**240**		**22**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Benzo(g,h,i)perylene	**55**		**33**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Benzo(k)fluoranthene	**100**		**19**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Bis(2-chloroethoxy)methane	U		11	220	µg/Kg-dry	1	3/21/2013 04:41
Bis(2-chloroethyl)ether	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
Bis(2-chloroisopropyl)ether	U		11	220	µg/Kg-dry	1	3/21/2013 04:41
Bis(2-ethylhexyl)phthalate	U		14	460	µg/Kg-dry	1	3/21/2013 04:41
Butyl benzyl phthalate	**110**	J	**19**	**220**	**µg/Kg-dry**	1	3/21/2013 04:41
Caprolactam	U		20	460	µg/Kg-dry	1	3/21/2013 04:41
Carbazole	U		16	220	µg/Kg-dry	1	3/21/2013 04:41
Chrysene	**160**		**16**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Dibenzo(a,h)anthracene	U		24	42	µg/Kg-dry	1	3/21/2013 04:41
Dibenzofuran	**59**	J	**13**	**220**	**µg/Kg-dry**	1	3/21/2013 04:41
Diethyl phthalate	U		12	460	µg/Kg-dry	1	3/21/2013 04:41
Dimethyl phthalate	U		12	460	µg/Kg-dry	1	3/21/2013 04:41
Di-n-butyl phthalate	U		14	460	µg/Kg-dry	1	3/21/2013 04:41
Di-n-octyl phthalate	U		17	220	µg/Kg-dry	1	3/21/2013 04:41
Fluoranthene	**310**		**17**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Fluorene	U		12	42	µg/Kg-dry	1	3/21/2013 04:41
Hexachlorobenzene	U		13	220	µg/Kg-dry	1	3/21/2013 04:41
Hexachlorobutadiene	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
Hexachlorocyclopentadiene	U		49	460	µg/Kg-dry	1	3/21/2013 04:41
Hexachloroethane	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
Indeno(1,2,3-cd)pyrene	**56**		**26**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Isophorone	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
Naphthalene	**76**		**12**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Nitrobenzene	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
N-Nitrosodi-n-propylamine	U		12	220	µg/Kg-dry	1	3/21/2013 04:41
N-Nitrosodiphenylamine	U		83	220	µg/Kg-dry	1	3/21/2013 04:41
Pentachlorophenol	U		21	460	µg/Kg-dry	1	3/21/2013 04:41
Phenanthrene	**260**		**42**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Phenol	U		12	220	µg/Kg-dry	1	3/21/2013 04:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-6
Collection Date: 3/15/2013 09:46 AM

Work Order: 1303495
Lab ID: 1303495-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	**260**		**17**	**42**	**µg/Kg-dry**	1	3/21/2013 04:41
Surr: 2,4,6-Tribromophenol	*69.7*			*34-140*	*%REC*	1	3/21/2013 04:41
Surr: 2-Fluorobiphenyl	*64.3*			*12-100*	*%REC*	1	3/21/2013 04:41
Surr: 2-Fluorophenol	*82.8*			*33-117*	*%REC*	1	3/21/2013 04:41
Surr: 4-Terphenyl-d14	*85.2*			*25-137*	*%REC*	1	3/21/2013 04:41
Surr: Nitrobenzene-d5	*73.0*			*37-107*	*%REC*	1	3/21/2013 04:41
Surr: Phenol-d6	*81.5*			*40-106*	*%REC*	1	3/21/2013 04:41
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,800		µg/Kg-dry	1	3/20/2013 06:02
Surr: Toluene-d8	*99.0*			*70-130*	*%REC*	1	3/20/2013 06:02
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.28	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,1,2,2-Tetrachloroethane	U		0.18	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,1,2-Trichloroethane	U		0.24	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,1,2-Trichlorotrifluoroethane	U		0.35	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,1-Dichloroethane	U		0.32	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,1-Dichloroethene	U		0.28	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,2,4-Trichlorobenzene	U		0.26	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,2-Dibromo-3-chloropropane	U		0.25	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,2-Dibromoethane	U		0.26	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,2-Dichlorobenzene	U		0.26	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,2-Dichloroethane	U		0.35	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,2-Dichloropropane	U		0.33	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,3-Dichlorobenzene	U		0.24	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
1,4-Dichlorobenzene	U		0.26	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
2-Butanone	**18**		**0.97**	**13**	**µg/Kg-dry**	0.899	3/21/2013 16:00
2-Hexanone	U		0.38	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
4-Methyl-2-pentanone	U		0.25	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Acetone	U		1.3	14	µg/Kg-dry	1	3/20/2013 06:02
Benzene	U		0.31	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Bromodichloromethane	U		0.26	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Bromoform	U		0.19	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Bromomethane	U		0.44	13	µg/Kg-dry	0.899	3/21/2013 16:00
Carbon disulfide	U		0.46	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Carbon tetrachloride	U		0.26	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Chlorobenzene	U		0.28	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Chloroethane	U		0.71	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Chloroform	**0.71**	J	**0.33**	**6.3**	**µg/Kg-dry**	0.899	3/21/2013 16:00
Chloromethane	U		0.39	13	µg/Kg-dry	0.899	3/21/2013 16:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: SS-6
Collection Date: 3/15/2013 09:46 AM

Work Order: 1303495
Lab ID: 1303495-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	U		0.37	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
cis-1,3-Dichloropropene	U		0.23	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Cyclohexane	U		0.40	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Dibromochloromethane	U		0.21	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Dichlorodifluoromethane	U		0.42	13	µg/Kg-dry	0.899	3/21/2013 16:00
Ethylbenzene	U		0.24	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Isopropylbenzene	U		0.24	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
m,p-Xylene	U		0.48	3.1	µg/Kg-dry	0.899	3/21/2013 16:00
Methyl acetate	U		1.0	13	µg/Kg-dry	0.899	3/21/2013 16:00
Methyl tert-butyl ether	U		0.32	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Methylcyclohexane	U		0.35	13	µg/Kg-dry	0.899	3/21/2013 16:00
Methylene chloride	U		0.36	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
o-Xylene	U		0.25	3.1	µg/Kg-dry	0.899	3/21/2013 16:00
Styrene	U		0.23	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Tetrachloroethene	U		0.38	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Toluene	U		0.30	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
trans-1,2-Dichloroethene	U		0.37	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
trans-1,3-Dichloropropene	U		0.23	13	µg/Kg-dry	0.899	3/21/2013 16:00
Trichloroethene	U		0.29	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Trichlorofluoromethane	U		1.5	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Vinyl chloride	U		0.38	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Xylenes, Total	U		0.73	6.3	µg/Kg-dry	0.899	3/21/2013 16:00
Surr: 1,2-Dichloroethane-d4	*98.6*			*70-120*	*%REC*	1	3/20/2013 06:02
Surr: 1,2-Dichloroethane-d4	*115*			*70-120*	*%REC*	0.899	3/21/2013 16:00
Surr: 4-Bromofluorobenzene	*99.7*			*75-120*	*%REC*	1	3/20/2013 06:02
Surr: 4-Bromofluorobenzene	*104*			*75-120*	*%REC*	0.899	3/21/2013 16:00
Surr: Dibromofluoromethane	*95.4*			*85-115*	*%REC*	1	3/20/2013 06:02
Surr: Dibromofluoromethane	*100*			*85-115*	*%REC*	0.899	3/21/2013 16:00
Surr: Toluene-d8	*101*			*85-120*	*%REC*	1	3/20/2013 06:02
Surr: Toluene-d8	*95.8*			*85-120*	*%REC*	0.899	3/21/2013 16:00
MOISTURE		Method: **A2540 G**					Analyst: **KF**
Moisture	**29**		**0.025**	**0.050**	**% of sample**	1	3/18/2013 14:49

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: Trip Blank
Collection Date: 3/15/2013

Work Order: 1303495
Lab ID: 1303495-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW5035 / 3/18/13		Analyst: **RS**
GRO (C6-C10)	U		1,200		µg/Kg	1	3/20/2013 06:25
Surr: Toluene-d8	*98.6*			*70-130*	*%REC*	1	3/20/2013 06:25
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.22	5.0	µg/Kg	1	3/20/2013 11:07
1,1,2,2-Tetrachloroethane	U		0.14	5.0	µg/Kg	1	3/20/2013 11:07
1,1,2-Trichloroethane	U		0.19	5.0	µg/Kg	1	3/20/2013 11:07
1,1,2-Trichlorotrifluoroethane	U		0.28	5.0	µg/Kg	1	3/20/2013 11:07
1,1-Dichloroethane	U		0.26	5.0	µg/Kg	1	3/20/2013 11:07
1,1-Dichloroethene	U		0.23	5.0	µg/Kg	1	3/20/2013 11:07
1,2,4-Trichlorobenzene	U		0.21	5.0	µg/Kg	1	3/20/2013 11:07
1,2-Dibromo-3-chloropropane	U		0.20	5.0	µg/Kg	1	3/20/2013 11:07
1,2-Dibromoethane	U		0.20	5.0	µg/Kg	1	3/20/2013 11:07
1,2-Dichlorobenzene	U		0.20	5.0	µg/Kg	1	3/20/2013 11:07
1,2-Dichloroethane	U		0.28	5.0	µg/Kg	1	3/20/2013 11:07
1,2-Dichloropropane	U		0.26	5.0	µg/Kg	1	3/20/2013 11:07
1,3-Dichlorobenzene	U		0.19	5.0	µg/Kg	1	3/20/2013 11:07
1,4-Dichlorobenzene	U		0.21	5.0	µg/Kg	1	3/20/2013 11:07
2-Butanone	U		0.77	10	µg/Kg	1	3/20/2013 11:07
2-Hexanone	U		0.30	5.0	µg/Kg	1	3/20/2013 11:07
4-Methyl-2-pentanone	U		0.20	5.0	µg/Kg	1	3/20/2013 11:07
Acetone	U		0.94	10	µg/Kg	1	3/20/2013 11:07
Benzene	U		0.25	5.0	µg/Kg	1	3/20/2013 11:07
Bromodichloromethane	U		0.21	5.0	µg/Kg	1	3/20/2013 11:07
Bromoform	U		0.15	5.0	µg/Kg	1	3/20/2013 11:07
Bromomethane	U		0.35	10	µg/Kg	1	3/20/2013 11:07
Carbon disulfide	U		0.37	5.0	µg/Kg	1	3/20/2013 11:07
Carbon tetrachloride	U		0.20	5.0	µg/Kg	1	3/20/2013 11:07
Chlorobenzene	U		0.22	5.0	µg/Kg	1	3/20/2013 11:07
Chloroethane	U		0.56	5.0	µg/Kg	1	3/20/2013 11:07
Chloroform	**0.55**	J	**0.26**	**5.0**	**µg/Kg**	1	3/20/2013 11:07
Chloromethane	U		0.31	10	µg/Kg	1	3/20/2013 11:07
cis-1,2-Dichloroethene	U		0.30	5.0	µg/Kg	1	3/20/2013 11:07
cis-1,3-Dichloropropene	U		0.18	5.0	µg/Kg	1	3/20/2013 11:07
Cyclohexane	U		0.32	5.0	µg/Kg	1	3/20/2013 11:07
Dibromochloromethane	U		0.17	5.0	µg/Kg	1	3/20/2013 11:07
Dichlorodifluoromethane	U		0.33	10	µg/Kg	1	3/20/2013 11:07
Ethylbenzene	U		0.19	5.0	µg/Kg	1	3/20/2013 11:07
Isopropylbenzene	U		0.19	5.0	µg/Kg	1	3/20/2013 11:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *25-Mar-13*

Client: Tetra Tech
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13
Sample ID: Trip Blank
Collection Date: 3/15/2013

Work Order: 1303495
Lab ID: 1303495-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
m,p-Xylene	U		0.38	2.5	µg/Kg	1	3/20/2013 11:07
Methyl acetate	U		0.80	10	µg/Kg	1	3/20/2013 11:07
Methyl tert-butyl ether	U		0.25	5.0	µg/Kg	1	3/20/2013 11:07
Methylcyclohexane	U		0.28	10	µg/Kg	1	3/20/2013 11:07
Methylene chloride	U		0.28	5.0	µg/Kg	1	3/20/2013 11:07
o-Xylene	U		0.20	2.5	µg/Kg	1	3/20/2013 11:07
Styrene	U		0.18	5.0	µg/Kg	1	3/20/2013 11:07
Tetrachloroethene	U		0.30	5.0	µg/Kg	1	3/20/2013 11:07
Toluene	**0.35**	J	**0.24**	**5.0**	**µg/Kg**	1	3/20/2013 11:07
trans-1,2-Dichloroethene	U		0.29	5.0	µg/Kg	1	3/20/2013 11:07
trans-1,3-Dichloropropene	U		0.19	10	µg/Kg	1	3/20/2013 11:07
Trichloroethene	U		0.23	5.0	µg/Kg	1	3/20/2013 11:07
Trichlorofluoromethane	U		1.2	5.0	µg/Kg	1	3/20/2013 11:07
Vinyl chloride	U		0.30	5.0	µg/Kg	1	3/20/2013 11:07
Xylenes, Total	U		0.58	5.0	µg/Kg	1	3/20/2013 11:07
Surr: 1,2-Dichloroethane-d4	*101*			*70-120*	*%REC*	1	3/20/2013 11:07
Surr: 4-Bromofluorobenzene	*97.6*			*75-120*	*%REC*	1	3/20/2013 11:07
Surr: Dibromofluoromethane	*96.3*			*85-115*	*%REC*	1	3/20/2013 11:07
Surr: Toluene-d8	*96.8*			*85-120*	*%REC*	1	3/20/2013 11:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 25-Mar-13

Client: Tetra Tech

QC BATCH REPORT

Work Order: 1303495

Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

Batch ID: **46961** Instrument ID **GC7** Method: **SW8151**

MBLK Sample ID: **HBLKS1-46961-46961** Units: **µg/Kg** Analysis Date: **3/22/2013 10:19 AM**

Client ID: Run ID: **GC7_130322A** SeqNo: **2245976** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-T	U	50								
2,4,5-TP (Silvex)	U	100								
2,4-D	U	50								
2,4-DB	U	50								
Dalapon	U	50								
Dicamba	U	50								
Dichlorprop	U	50								
Dinoseb	U	50								
MCPA	U	1,700								
MCPP	U	1,700								
Surr: DCAA	*150*	0	*166.7*	0	*90*	*30-150*	0			

LCS Sample ID: **HLCSS1-46961-46961** Units: **µg/Kg** Analysis Date: **3/22/2013 10:35 AM**

Client ID: Run ID: **GC7_130322A** SeqNo: **2245977** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-T	166	50	166.7	0	99.6	30-150	0			
2,4,5-TP (Silvex)	166	100	166.7	0	99.6	30-150	0			
2,4-D	170.3	50	166.7	0	102	20-130	0			
2,4-DB	198	50	166.7	0	119	30-150	0			
Dalapon	90	50	166.7	0	54	30-150	0			
Dicamba	130.7	50	166.7	0	78.4	30-150	0			
Dichlorprop	150	50	166.7	0	90	30-150	0			
Dinoseb	162	50	166.7	0	97.2	10-110	0			
MCPA	16240	1,700	16670	0	97.4	20-130	0			
MCPP	18320	1,700	16670	0	110	20-130	0			
Surr: DCAA	*158.7*	0	*166.7*	0	*95.2*	*30-150*	0			

The following samples were analyzed in this batch: 1303495-01A 1303495-02A 1303495-03A 1303495-05A 1303495-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46974** Instrument ID **GC12** Method: **SW8081**

MBLK Sample ID: **PBLKS1-46974-46974** Units: **µg/Kg** Analysis Date: **3/20/2013 02:09 PM**
Client ID: Run ID: **GC12_130320A** SeqNo: **2243820** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	U	10								
4,4´-DDE	U	10								
4,4´-DDT	U	10								
Aldrin	U	10								
alpha-BHC	U	10								
alpha-Chlordane	U	10								
beta-BHC	U	10								
Chlordane, Technical	U	25								
delta-BHC	U	10								
Dieldrin	U	10								
Endosulfan I	U	10								
Endosulfan II	U	10								
Endosulfan sulfate	U	10								
Endrin	U	10								
Endrin aldehyde	U	10								
Endrin ketone	U	10								
gamma-BHC (Lindane)	U	10								
gamma-Chlordane	U	10								
Heptachlor	U	10								
Heptachlor epoxide	U	10								
Methoxychlor	U	10								
Toxaphene	U	60								
Surr: Decachlorobiphenyl	*36.67*	0	*33.3*	0	*110*	*45-135*	0			
Surr: Tetrachloro-m-xylene	*33.33*	0	*33.3*	0	*100*	*45-124*	0			

LCS Sample ID: **PLCSS1-46974-46974** Units: **µg/Kg** Analysis Date: **3/20/2013 02:25 PM**
Client ID: Run ID: **GC12_130320A** SeqNo: **2243821** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Dieldrin	33.67	10	33.33	0	101	65-125	0			
Endosulfan I	34	10	33.33	0	102	15-135	0			
Endosulfan II	33.67	10	33.33	0	101	35-140	0			
Endosulfan sulfate	34.33	10	33.33	0	103	60-135	0			
Endrin	37.33	10	33.33	0	112	60-135	0			
Endrin aldehyde	30	10	33.33	0	90	35-145	0			
Endrin ketone	31.67	10	33.33	0	95	50-150	0			
Heptachlor epoxide	34	10	33.33	0	102	65-130	0			
Methoxychlor	39	10	33.33	0	117	55-145	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46974** Instrument ID **GC12** Method: **SW8081**

LCS Sample ID: **PLCSS1-46974-46974** Units: **µg/Kg** Analysis Date: **3/20/2013 05:47 PM**
Client ID: Run ID: **GC12_130320A** SeqNo: **2243866** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	40.33	10	33.33	0	121	30-135	0			
4,4´-DDE	32.67	10	33.33	0	98	70-125	0			
4,4´-DDT	23.33	10	33.33	0	70	45-140	0			
Aldrin	30.33	10	33.33	0	91	45-140	0			
alpha-BHC	32.67	10	33.33	0	98	60-125	0			
alpha-Chlordane	33	10	33.33	0	99	50-150	0			
beta-BHC	32	10	33.33	0	96	60-125	0			
delta-BHC	34	10	33.33	0	102	55-130	0			
gamma-BHC (Lindane)	33	10	33.33	0	99	60-125	0			
gamma-Chlordane	34.33	10	33.33	0	103	50-150	0			
Heptachlor	30.33	10	33.33	0	91	50-140	0			
Surr: Decachlorobiphenyl	*38*	0	*33.3*	0	*114*	*45-135*	0			
Surr: Tetrachloro-m-xylene	*31*	0	*33.3*	0	*93.1*	*45-124*	0			

MS Sample ID: **1303418-05B MS** Units: **µg/Kg** Analysis Date: **3/20/2013 03:27 PM**
Client ID: Run ID: **GC12_130320A** SeqNo: **2243812** Prep Date: **3/19/2013** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Dieldrin	31.99	48	31.99	0	100	65-125	0			J
Endosulfan I	33.59	48	31.99	0	105	15-135	0			J
Endosulfan II	33.59	48	31.99	0	105	35-140	0			J
Endosulfan sulfate	35.19	48	31.99	0	110	60-135	0			J
Endrin	36.79	48	31.99	0	115	60-135	0			J
Endrin aldehyde	33.59	48	31.99	0	105	35-145	0			J
Endrin ketone	31.99	48	31.99	0	100	50-150	0			J
Heptachlor epoxide	33.59	48	31.99	0	105	65-130	0			J
Methoxychlor	43.19	48	31.99	0	135	55-145	0			J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46974** Instrument ID **GC12** Method: **SW8081**

MS Sample ID: **1303418-05B MS** Units: **µg/Kg** Analysis Date: **3/20/2013 06:33 PM**
Client ID: Run ID: **GC12_130320A** SeqNo: **2243858** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	34.23	9.6	31.99	0	107	30-135	0			
4,4´-DDE	29.75	9.6	31.99	0	93	70-125	0			
4,4´-DDT	20.47	9.6	31.99	0	64	45-140	0			
Aldrin	25.27	9.6	31.99	0	79	45-140	0			
alpha-BHC	29.43	9.6	31.99	0	92	60-125	0			
alpha-Chlordane	29.11	9.6	31.99	0	91	50-150	0			
beta-BHC	25.91	9.6	31.99	0	81	60-125	0			
delta-BHC	31.35	9.6	31.99	0	98	55-130	0			
gamma-BHC (Lindane)	30.07	9.6	31.99	0	94	60-125	0			
gamma-Chlordane	30.07	9.6	31.99	0	94	50-150	0			
Heptachlor	27.83	9.6	31.99	0	87	50-140	0			
Surr: Decachlorobiphenyl	*31.99*	0	*31.96*	0	*100*	*45-135*	0			
Surr: Tetrachloro-m-xylene	*29.11*	0	*31.96*	0	*91.1*	*45-124*	0			

MSD Sample ID: **1303418-05B MSD** Units: **µg/Kg** Analysis Date: **3/20/2013 03:43 PM**
Client ID: Run ID: **GC12_130320A** SeqNo: **2243813** Prep Date: **3/19/2013** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Dieldrin	31.39	50	33.03	0	95	65-125	0	0	35	J
Endosulfan I	33.04	50	33.03	0	100	15-135	0	0	35	J
Endosulfan II	33.04	50	33.03	0	100	35-140	0	0	35	J
Endosulfan sulfate	33.04	50	33.03	0	100	60-135	0	0	35	J
Endrin	34.69	50	33.03	0	105	60-135	0	0	35	J
Endrin aldehyde	33.04	50	33.03	0	100	35-145	0	0	35	J
Endrin ketone	29.73	50	33.03	0	90	50-150	0	0	35	J
Heptachlor epoxide	33.04	50	33.03	0	100	65-130	0	0	35	J
Methoxychlor	41.3	50	33.03	0	125	55-145	0	0	35	J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46974** Instrument ID **GC12** Method: **SW8081**

MSD Sample ID: **1303418-05B MSD** Units: **µg/Kg** Analysis Date: **3/20/2013 06:49 PM**

Client ID: Run ID: **GC12_130320A** SeqNo: **2243859** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	34.69	9.9	33.03	0	105	30-135	34.23	1.34	35	
4,4´-DDE	30.06	9.9	33.03	0	91	70-125	29.75	1.05	35	
4,4´-DDT	21.14	9.9	33.03	0	64	45-140	20.47	3.22	35	
Aldrin	26.76	9.9	33.03	0	81	45-140	25.27	5.72	35	
alpha-BHC	29.4	9.9	33.03	0	89	60-125	29.43	0.0904	35	
alpha-Chlordane	29.4	9.9	33.03	0	89	50-150	29.11	1	35	
beta-BHC	28.08	9.9	33.03	0	85	60-125	25.91	8.04	35	
delta-BHC	31.72	9.9	33.03	0	96	55-130	31.35	1.16	35	
gamma-BHC (Lindane)	30.06	9.9	33.03	0	91	60-125	30.07	0.0187	35	
gamma-Chlordane	30.06	9.9	33.03	0	91	50-150	30.07	0.0187	35	
Heptachlor	27.42	9.9	33.03	0	83	50-140	27.83	1.48	35	
Surr: Decachlorobiphenyl	*34.36*	0	*33.01*	0	*104*	*45-135*	31.99	*7.14*	*35*	
Surr: Tetrachloro-m-xylene	*30.4*	0	*33.01*	0	*92.1*	*45-124*	29.11	*4.32*	*35*	

The following samples were analyzed in this batch:

1303495-01A	1303495-02A	1303495-03A
1303495-05A	1303495-06A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47054** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-47054-47054** Units: **mg/Kg** Analysis Date: **3/21/2013 02:24 PM**
Client ID: Run ID: **HG1_130321A** SeqNo: **2244369** Prep Date: **3/21/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-47054-47054** Units: **mg/Kg** Analysis Date: **3/21/2013 02:27 PM**
Client ID: Run ID: **HG1_130321A** SeqNo: **2244370** Prep Date: **3/21/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1876	0.020	0.1665	0	113	80-120	0			

MS Sample ID: **1303574-04AMS** Units: **mg/Kg** Analysis Date: **3/21/2013 02:33 PM**
Client ID: Run ID: **HG1_130321A** SeqNo: **2244373** Prep Date: **3/21/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1731	0.013	0.1111	0.06558	96.8	75-125	0			

MSD Sample ID: **1303574-04AMSD** Units: **mg/Kg** Analysis Date: **3/21/2013 02:35 PM**
Client ID: Run ID: **HG1_130321A** SeqNo: **2244374** Prep Date: **3/21/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1936	0.014	0.1189	0.06558	108	75-125	0.1731	11.2	35	

The following samples were analyzed in this batch:

1303495-01A	1303495-02A	1303495-03A
1303495-04A	1303495-05A	1303495-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46995** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-46995-46995** Units: **mg/Kg** Analysis Date: **3/20/2013 12:27 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2242000** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	U	0.25								
Cadmium	0.002064	0.10								J
Chromium	U	0.25								
Lead	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								

LCS Sample ID: **LCS-46995-46995** Units: **mg/Kg** Analysis Date: **3/20/2013 12:33 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2242001** Prep Date: **3/19/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.734	0.25	5	0	94.7	80-120	0			
Barium	4.861	0.25	5	0	97.2	80-120	0			
Cadmium	4.822	0.10	5	0	96.4	80-120	0			
Chromium	4.832	0.25	5	0	96.6	80-120	0			
Lead	4.954	0.25	5	0	99.1	80-120	0			
Selenium	4.415	0.25	5	0	88.3	80-120	0			
Silver	4.724	0.25	5	0	94.5	80-120	0			

MS Sample ID: **1303467-04BMS** Units: **mg/Kg** Analysis Date: **3/19/2013 11:28 PM**
Client ID: Run ID: **ICPMS1_130318A** SeqNo: **2241572** Prep Date: **3/19/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.75	0.75	7.508	13.37	-34.8	75-125	0			S
Barium	28.81	0.75	7.508	20.19	115	75-125	0			
Cadmium	6.631	0.30	7.508	0.09589	87	75-125	0			
Chromium	13.54	0.75	7.508	4.932	115	75-125	0			
Selenium	7.047	0.75	7.508	0.9756	80.9	75-125	0			
Silver	6.287	0.75	7.508	0.03857	83.2	75-125	0			

MS Sample ID: **1303467-04BMS** Units: **mg/Kg** Analysis Date: **3/20/2013 01:15 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2242008** Prep Date: **3/19/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	14.93	0.75	7.508	8.062	91.4	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46995** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1303467-04BMSD** Units: **mg/Kg** Analysis Date: **3/19/2013 11:33 PM**
Client ID: Run ID: **ICPMS1_130318A** SeqNo: **2241574** Prep Date: **3/19/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.78	0.74	7.375	13.37	-21.5	75-125	10.75	9.12	25	S
Barium	31.8	0.74	7.375	20.19	157	75-125	28.81	9.85	25	S
Cadmium	6.645	0.29	7.375	0.09589	88.8	75-125	6.631	0.21	25	
Chromium	12.38	0.74	7.375	4.932	101	75-125	13.54	8.99	25	
Selenium	6.873	0.74	7.375	0.9756	80	75-125	7.047	2.49	25	
Silver	6.23	0.74	7.375	0.03857	84	75-125	6.287	0.906	25	

MSD Sample ID: **1303467-04BMSD** Units: **mg/Kg** Analysis Date: **3/20/2013 01:21 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2242009** Prep Date: **3/19/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	14.97	0.74	7.375	8.062	93.7	75-125	14.93	0.295	25	

The following samples were analyzed in this batch: 1303495-01A 1303495-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47041** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-47041-47041** Units: **mg/Kg** Analysis Date: **3/20/2013 10:26 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2243149** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	0.01636	0.25								J
Cadmium	0.00125	0.10								J
Chromium	U	0.25								
Lead	U	0.25								
Selenium	0.05145	0.25								J
Silver	U	0.25								

LCS Sample ID: **LCS-47041-47041** Units: **mg/Kg** Analysis Date: **3/20/2013 10:32 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2243150** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.574	0.25	5	0	91.5	80-120	0			
Barium	4.812	0.25	5	0	96.2	80-120	0			
Cadmium	4.815	0.10	5	0	96.3	80-120	0			
Chromium	4.529	0.25	5	0	90.6	80-120	0			
Lead	4.96	0.25	5	0	99.2	80-120	0			
Selenium	4.462	0.25	5	0	89.2	80-120	0			
Silver	4.722	0.25	5	0	94.4	80-120	0			

MS Sample ID: **1303589-18BMS** Units: **mg/Kg** Analysis Date: **3/20/2013 10:55 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2243154** Prep Date: **3/20/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.6	0.77	7.669	6.266	82.6	75-125	0			
Barium	201.2	0.77	7.669	194.5	88.2	75-125	0			O
Cadmium	7.551	0.31	7.669	0.4148	93.1	75-125	0			
Chromium	21.09	0.77	7.669	12.33	114	75-125	0			
Lead	19.63	0.77	7.669	11.79	102	75-125	0			
Selenium	7.281	0.77	7.669	1.018	81.7	75-125	0			
Silver	6.41	0.77	7.669	0.06014	82.8	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47041** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1303589-18BMSD** Units: **mg/Kg** Analysis Date: **3/20/2013 11:01 PM**
Client ID: Run ID: **ICPMS1_130320A** SeqNo: **2243155** Prep Date: **3/20/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.29	0.75	7.541	6.266	93.2	75-125	12.6	5.32	25	
Barium	205.4	0.75	7.541	194.5	145	75-125	201.2	2.07	25	SO
Cadmium	7.451	0.30	7.541	0.4148	93.3	75-125	7.551	1.33	25	
Chromium	21.34	0.75	7.541	12.33	119	75-125	21.09	1.19	25	
Lead	19.52	0.75	7.541	11.79	102	75-125	19.63	0.585	25	
Selenium	6.997	0.75	7.541	1.018	79.3	75-125	7.281	3.97	25	
Silver	6.376	0.75	7.541	0.06014	83.7	75-125	6.41	0.531	25	

The following samples were analyzed in this batch: 1303495-03A 1303495-04A 1303495-05A 1303495-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **SBLKS1-47009-47009** Units: **µg/Kg** Analysis Date: **3/20/2013 07:48 PM**
Client ID: Run ID: **SVMS6_130320A** SeqNo: **2244512** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1`-Biphenyl	U	330								
2,4,5-Trichlorophenol	U	160								
2,4,6-Trichlorophenol	U	160								
2,4-Dichlorophenol	U	160								
2,4-Dimethylphenol	U	330								
2,4-Dinitrophenol	U	660								
2,4-Dinitrotoluene	U	160								
2,6-Dinitrotoluene	U	160								
2-Chloronaphthalene	U	80								
2-Chlorophenol	U	160								
2-Methylnaphthalene	U	80								
2-Methylphenol	U	160								
2-Nitroaniline	U	660								
2-Nitrophenol	U	160								
3,3´-Dichlorobenzidine	U	660								
3-Nitroaniline	U	660								
4,6-Dinitro-2-methylphenol	U	330								
4-Bromophenyl phenyl ether	U	160								
4-Chloro-3-methylphenol	U	160								
4-Chloroaniline	U	660								
4-Chlorophenyl phenyl ether	U	160								
4-Methylphenol	U	160								
4-Nitroaniline	U	660								
4-Nitrophenol	U	660								
Acenaphthene	U	30								
Acenaphthylene	U	30								
Acetophenone	U	330								
Anthracene	U	30								
Atrazine	U	330								
Benzaldehyde	U	330								
Benzo(a)anthracene	U	30								
Benzo(a)pyrene	U	30								
Benzo(b)fluoranthene	U	30								
Benzo(g,h,i)perylene	U	30								
Benzo(k)fluoranthene	U	30								
Bis(2-chloroethoxy)methane	U	160								
Bis(2-chloroethyl)ether	U	160								
Bis(2-chloroisopropyl)ether	U	160								
Bis(2-ethylhexyl)phthalate	U	330								
Butyl benzyl phthalate	U	160								
Caprolactam	U	330								
Carbazole	U	160								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

Chrysene	U	30					
Dibenzo(a,h)anthracene	U	30					
Dibenzofuran	U	160					
Diethyl phthalate	U	330					
Dimethyl phthalate	U	330					
Di-n-butyl phthalate	U	330					
Di-n-octyl phthalate	U	160					
Fluoranthene	U	30					
Fluorene	U	30					
Hexachlorobenzene	U	160					
Hexachlorobutadiene	U	160					
Hexachlorocyclopentadiene	U	330					
Hexachloroethane	U	160					
Indeno(1,2,3-cd)pyrene	U	30					
Isophorone	U	160					
Naphthalene	U	30					
Nitrobenzene	U	160					
N-Nitrosodi-n-propylamine	U	160					
N-Nitrosodiphenylamine	U	160					
Pentachlorophenol	U	330					
Phenanthrene	U	30					
Phenol	U	160					
Pyrene	U	30					
Surr: 2,4,6-Tribromophenol	*1001*	0	*1667*	0	*60*	*34-140*	0
Surr: 2-Fluorobiphenyl	*1125*	0	*1667*	0	*67.5*	*12-100*	0
Surr: 2-Fluorophenol	*1489*	0	*1667*	0	*89.4*	*33-117*	0
Surr: 4-Terphenyl-d14	*1545*	0	*1667*	0	*92.7*	*25-137*	0
Surr: Nitrobenzene-d5	*1356*	0	*1667*	0	*81.3*	*37-107*	0
Surr: Phenol-d6	*1477*	0	*1667*	0	*88.6*	*40-106*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

LCS Sample ID: **SLCSS1-47009-47009** Units: **µg/Kg** Analysis Date: **3/20/2013 08:18 PM**
Client ID: Run ID: **SVMS6_130320A** SeqNo: **2244516** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	550.3	160	666.7	0	82.5	50-110	0			
2,4,6-Trichlorophenol	525.3	160	666.7	0	78.8	45-110	0			
2,4-Dichlorophenol	573.7	160	666.7	0	86	45-110	0			
2,4-Dimethylphenol	413	330	666.7	0	61.9	30-105	0			
2,4-Dinitrophenol	506.7	660	666.7	0	76	15-130	0			J
2,4-Dinitrotoluene	626	160	666.7	0	93.9	50-115	0			
2,6-Dinitrotoluene	626.3	160	666.7	0	93.9	50-110	0			
2-Chloronaphthalene	594	80	666.7	0	89.1	45-105	0			
2-Chlorophenol	603.7	160	666.7	0	90.5	45-105	0			
2-Methylnaphthalene	585	80	666.7	0	87.7	45-105	0			
2-Methylphenol	604.7	160	666.7	0	90.7	40-105	0			
2-Nitroaniline	677.7	660	666.7	0	102	45-120	0			
2-Nitrophenol	557.7	160	666.7	0	83.6	40-110	0			
3-Nitroaniline	631.7	660	666.7	0	94.7	25-150	0			J
4-Bromophenyl phenyl ether	564	160	666.7	0	84.6	45-115	0			
4-Chloro-3-methylphenol	634	160	666.7	0	95.1	45-115	0			
4-Chloroaniline	357.3	660	666.7	0	53.6	15-110	0			J
4-Chlorophenyl phenyl ether	582.3	160	666.7	0	87.3	45-110	0			
4-Methylphenol	641	160	666.7	0	96.1	40-105	0			
4-Nitroaniline	532.3	660	666.7	0	79.8	35-150	0			J
4-Nitrophenol	594	660	666.7	0	89.1	15-140	0			J
Acenaphthene	587.7	30	666.7	0	88.1	45-110	0			
Acenaphthylene	623.3	30	666.7	0	93.5	45-105	0			
Anthracene	631	30	666.7	0	94.6	55-105	0			
Benzo(a)anthracene	658	30	666.7	0	98.7	50-110	0			
Benzo(a)pyrene	678	30	666.7	0	102	50-110	0			
Benzo(b)fluoranthene	638	30	666.7	0	95.7	45-115	0			
Benzo(g,h,i)perylene	733	30	666.7	0	110	40-125	0			
Benzo(k)fluoranthene	676.7	30	666.7	0	101	45-115	0			
Bis(2-chloroethoxy)methane	595.3	160	666.7	0	89.3	45-110	0			
Bis(2-chloroethyl)ether	583	160	666.7	0	87.4	40-105	0			
Bis(2-chloroisopropyl)ether	601.7	160	666.7	0	90.2	20-115	0			
Bis(2-ethylhexyl)phthalate	820.7	330	666.7	0	123	45-125	0			
Butyl benzyl phthalate	718	160	666.7	0	108	50-125	0			
Carbazole	1374	160	666.7	0	206	50-150	0			S
Chrysene	645.3	30	666.7	0	96.8	55-110	0			
Dibenzo(a,h)anthracene	718.3	30	666.7	0	108	40-125	0			
Dibenzofuran	612.3	160	666.7	0	91.8	50-105	0			
Diethyl phthalate	656.3	330	666.7	0	98.4	50-115	0			
Dimethyl phthalate	607.3	330	666.7	0	91.1	50-110	0			
Di-n-butyl phthalate	682	330	666.7	0	102	55-110	0			
Di-n-octyl phthalate	789	160	666.7	0	118	40-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

Fluoranthene	646	30	666.7	0	96.9	55-115	0	
Fluorene	605.7	30	666.7	0	90.8	50-110	0	
Hexachlorobenzene	573.3	160	666.7	0	86	45-120	0	
Hexachlorobutadiene	537	160	666.7	0	80.5	40-115	0	
Hexachlorocyclopentadiene	441.3	330	666.7	0	66.2	40-115	0	
Hexachloroethane	601.7	160	666.7	0	90.2	35-110	0	
Indeno(1,2,3-cd)pyrene	714	30	666.7	0	107	40-120	0	
Isophorone	591	160	666.7	0	88.6	45-110	0	
Naphthalene	581.3	30	666.7	0	87.2	40-105	0	
Nitrobenzene	589.3	160	666.7	0	88.4	40-115	0	
N-Nitrosodi-n-propylamine	675.3	160	666.7	0	101	40-115	0	
N-Nitrosodiphenylamine	812.7	160	666.7	0	122	50-115	0	S
Pentachlorophenol	497	330	666.7	0	74.5	25-120	0	
Phenanthrene	611.3	30	666.7	0	91.7	50-110	0	
Phenol	611.3	160	666.7	0	91.7	40-100	0	
Pyrene	677.7	30	666.7	0	102	45-125	0	
Surr: 2,4,6-Tribromophenol	*1135*	0	*1667*	0	*68.1*	*34-140*	0	
Surr: 2-Fluorobiphenyl	*1156*	0	*1667*	0	*69.3*	*12-100*	0	
Surr: 2-Fluorophenol	*1510*	0	*1667*	0	*90.6*	*33-117*	0	
Surr: 4-Terphenyl-d14	*1536*	0	*1667*	0	*92.1*	*25-137*	0	
Surr: Nitrobenzene-d5	*1389*	0	*1667*	0	*83.3*	*37-107*	0	
Surr: Phenol-d6	*1424*	0	*1667*	0	*85.4*	*40-106*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

MS Sample ID: **1303486-01A MS** Units: **µg/Kg** Analysis Date: **3/20/2013 11:22 PM**
Client ID: Run ID: **SVMS6_130320A** SeqNo: **2244519** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1670	460	1927	0	86.6	50-110	0			
2,4,6-Trichlorophenol	1559	460	1927	0	80.9	45-110	0			
2,4-Dichlorophenol	1643	460	1927	0	85.2	45-110	0			
2,4-Dimethylphenol	1650	950	1927	0	85.6	30-105	0			
2,4-Dinitrophenol	1345	1,900	1927	0	69.8	15-130	0			J
2,4-Dinitrotoluene	1748	460	1927	0	90.7	50-115	0			
2,6-Dinitrotoluene	1753	460	1927	0	90.9	50-110	0			
2-Chloronaphthalene	1681	230	1927	0	87.2	45-105	0			
2-Chlorophenol	1694	460	1927	0	87.9	45-105	0			
2-Methylnaphthalene	1627	230	1927	0	84.4	45-105	0			
2-Methylphenol	1756	460	1927	0	91.1	40-105	0			
2-Nitroaniline	1966	1,900	1927	0	102	45-120	0			
2-Nitrophenol	1592	460	1927	0	82.6	40-110	0			
3-Nitroaniline	1834	1,900	1927	0	95.1	25-110	0			J
4-Bromophenyl phenyl ether	1613	460	1927	0	83.7	45-115	0			
4-Chloro-3-methylphenol	1856	460	1927	0	96.3	45-115	0			
4-Chloroaniline	1166	1,900	1927	0	60.5	15-110	0			J
4-Chlorophenyl phenyl ether	1633	460	1927	0	84.7	45-110	0			
4-Methylphenol	1837	460	1927	0	95.3	40-105	0			
4-Nitroaniline	2787	1,900	1927	0	145	35-150	0			
4-Nitrophenol	675.5	1,900	1927	0	35	15-140	0			J
Acenaphthene	1610	87	1927	0	83.5	45-110	0			
Acenaphthylene	1748	87	1927	0	90.7	45-105	0			
Anthracene	1816	87	1927	0	94.2	55-105	0			
Benzo(a)anthracene	1888	87	1927	0	97.9	50-110	0			
Benzo(a)pyrene	1935	87	1927	0	100	50-110	0			
Benzo(b)fluoranthene	1889	87	1927	70.79	94.3	45-115	0			
Benzo(g,h,i)perylene	2049	87	1927	0	106	40-125	0			
Benzo(k)fluoranthene	2017	87	1927	0	105	45-115	0			
Bis(2-chloroethoxy)methane	1648	460	1927	0	85.5	45-110	0			
Bis(2-chloroethyl)ether	1609	460	1927	0	83.5	40-105	0			
Bis(2-chloroisopropyl)ether	1639	460	1927	0	85	20-115	0			
Bis(2-ethylhexyl)phthalate	2275	950	1927	54.84	115	45-125	0			
Butyl benzyl phthalate	1938	460	1927	0	101	50-125	0			
Carbazole	4107	460	1927	0	213	50-150	0			S
Chrysene	1823	87	1927	0	94.6	55-110	0			
Dibenzo(a,h)anthracene	1970	87	1927	0	102	40-125	0			
Dibenzofuran	1704	460	1927	0	88.4	50-105	0			
Diethyl phthalate	1850	950	1927	0	96	50-115	0			
Dimethyl phthalate	1696	950	1927	0	88	50-110	0			
Di-n-butyl phthalate	1913	950	1927	0	99.2	55-110	0			
Di-n-octyl phthalate	2208	460	1927	0	115	40-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

Fluoranthene	1913	87	1927	60.82	96.1	55-115	0	
Fluorene	1717	87	1927	0	89.1	50-110	0	
Hexachlorobenzene	1634	460	1927	0	84.8	45-120	0	
Hexachlorobutadiene	1479	460	1927	0	76.7	40-115	0	
Hexachlorocyclopentadiene	336.3	950	1927	0	17.4	40-115	0	JS
Hexachloroethane	1244	460	1927	0	64.5	35-110	0	
Indeno(1,2,3-cd)pyrene	1995	87	1927	0	103	40-120	0	
Isophorone	1654	460	1927	0	85.8	45-110	0	
Naphthalene	1612	87	1927	0	83.6	40-105	0	
Nitrobenzene	1655	460	1927	0	85.9	40-115	0	
N-Nitrosodi-n-propylamine	1881	460	1927	0	97.6	40-115	0	
N-Nitrosodiphenylamine	2465	460	1927	0	128	50-115	0	S
Pentachlorophenol	1587	950	1927	0	82.3	25-120	0	
Phenanthrene	1765	87	1927	0	91.6	50-110	0	
Phenol	1706	460	1927	0	88.5	40-100	0	
Pyrene	1926	87	1927	58.82	96.9	45-125	0	
Surr: 2,4,6-Tribromophenol	*3583*	0	*4818*	0	*74.4*	*34-140*	0	
Surr: 2-Fluorobiphenyl	*3236*	0	*4818*	0	*67.2*	*12-100*	0	
Surr: 2-Fluorophenol	*4221*	0	*4818*	0	*87.6*	*33-117*	0	
Surr: 4-Terphenyl-d14	*4185*	0	*4818*	0	*86.9*	*25-137*	0	
Surr: Nitrobenzene-d5	*3845*	0	*4818*	0	*79.8*	*37-107*	0	
Surr: Phenol-d6	*4011*	0	*4818*	0	*83.3*	*40-106*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

MSD Sample ID: **1303486-01A MSD** Units: **µg/Kg** Analysis Date: **3/20/2013 11:51 PM**

Client ID: Run ID: **SVMS6_130320A** SeqNo: **2244523** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1525	450	1875	0	81.3	50-110	1670	9.04	30	
2,4,6-Trichlorophenol	1447	450	1875	0	77.1	45-110	1559	7.48	30	
2,4-Dichlorophenol	1477	450	1875	0	78.7	45-110	1643	10.7	30	
2,4-Dimethylphenol	1501	930	1875	0	80	30-105	1650	9.43	30	
2,4-Dinitrophenol	1165	1,900	1875	0	62.1	15-130	1345	0	30	J
2,4-Dinitrotoluene	1656	450	1875	0	88.3	50-115	1748	5.42	30	
2,6-Dinitrotoluene	1647	450	1875	0	87.8	50-110	1753	6.2	30	
2-Chloronaphthalene	1513	230	1875	0	80.7	45-105	1681	10.5	30	
2-Chlorophenol	1548	450	1875	0	82.5	45-105	1694	9.01	30	
2-Methylnaphthalene	1477	230	1875	0	78.7	45-105	1627	9.66	30	
2-Methylphenol	1605	450	1875	0	85.6	40-105	1756	8.96	30	
2-Nitroaniline	1869	1,900	1875	0	99.6	45-120	1966	0	30	J
2-Nitrophenol	1442	450	1875	0	76.9	40-110	1592	9.88	30	
3-Nitroaniline	1725	1,900	1875	0	92	25-110	1834	0	30	J
4-Bromophenyl phenyl ether	1526	450	1875	0	81.4	45-115	1613	5.52	30	
4-Chloro-3-methylphenol	1732	450	1875	0	92.3	45-115	1856	6.92	30	
4-Chloroaniline	1274	1,900	1875	0	67.9	15-110	1166	0	30	J
4-Chlorophenyl phenyl ether	1538	450	1875	0	82	45-110	1633	6.03	30	
4-Methylphenol	1683	450	1875	0	89.7	40-105	1837	8.73	30	
4-Nitroaniline	2696	1,900	1875	0	144	35-150	2787	3.29	30	
4-Nitrophenol	684.4	1,900	1875	0	36.5	15-140	675.5	0	30	J
Acenaphthene	1500	84	1875	0	80	45-110	1610	7.08	30	
Acenaphthylene	1614	84	1875	0	86.1	45-105	1748	7.94	30	
Anthracene	1734	84	1875	0	92.4	55-105	1816	4.66	30	
Benzo(a)anthracene	1750	84	1875	0	93.3	50-110	1888	7.54	30	
Benzo(a)pyrene	1775	84	1875	0	94.6	50-110	1935	8.63	30	
Benzo(b)fluoranthene	1934	84	1875	70.79	99.4	45-115	1889	2.38	30	
Benzo(g,h,i)perylene	1850	84	1875	0	98.6	40-125	2049	10.2	30	
Benzo(k)fluoranthene	1625	84	1875	0	86.6	45-115	2017	21.5	30	
Bis(2-chloroethoxy)methane	1497	450	1875	0	79.8	45-110	1648	9.57	30	
Bis(2-chloroethyl)ether	1465	450	1875	0	78.1	40-105	1609	9.35	30	
Bis(2-chloroisopropyl)ether	1487	450	1875	0	79.3	20-115	1639	9.73	30	
Bis(2-ethylhexyl)phthalate	2053	930	1875	54.84	107	45-125	2275	10.2	30	
Butyl benzyl phthalate	1783	450	1875	0	95.1	50-125	1938	8.31	30	
Carbazole	3889	450	1875	0	207	50-150	4107	5.45	30	S
Chrysene	1703	84	1875	0	90.8	55-110	1823	6.83	30	
Dibenzo(a,h)anthracene	1802	84	1875	0	96.1	40-125	1970	8.89	30	
Dibenzofuran	1601	450	1875	0	85.4	50-105	1704	6.19	30	
Diethyl phthalate	1755	930	1875	0	93.6	50-115	1850	5.27	30	
Dimethyl phthalate	1565	930	1875	0	83.4	50-110	1696	8.04	30	
Di-n-butyl phthalate	1782	930	1875	0	95	55-110	1913	7.06	30	
Di-n-octyl phthalate	2027	450	1875	0	108	40-130	2208	8.53	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47009** Instrument ID **SVMS6** Method: **SW8270**

Fluoranthene	1819	84	1875	60.82	93.8	55-115	1913	5.03	30	
Fluorene	1611	84	1875	0	85.9	50-110	1717	6.39	30	
Hexachlorobenzene	1541	450	1875	0	82.2	45-120	1634	5.85	30	
Hexachlorobutadiene	1323	450	1875	0	70.5	40-115	1479	11.1	30	
Hexachlorocyclopentadiene	143.4	930	1875	0	7.65	40-115	336.3	0	30	JS
Hexachloroethane	964.7	450	1875	0	51.4	35-110	1244	25.3	30	
Indeno(1,2,3-cd)pyrene	1830	84	1875	0	97.6	40-120	1995	8.6	30	
Isophorone	1489	450	1875	0	79.4	45-110	1654	10.5	30	
Naphthalene	1454	84	1875	0	77.5	40-105	1612	10.3	30	
Nitrobenzene	1476	450	1875	0	78.7	40-115	1655	11.5	30	
N-Nitrosodi-n-propylamine	1705	450	1875	0	90.9	40-115	1881	9.79	30	
N-Nitrosodiphenylamine	2335	450	1875	0	125	50-115	2465	5.39	30	S
Pentachlorophenol	1431	930	1875	0	76.3	25-120	1587	10.4	30	
Phenanthrene	1689	84	1875	0	90.1	50-110	1765	4.39	30	
Phenol	1580	450	1875	0	84.2	40-100	1706	7.65	30	
Pyrene	1791	84	1875	58.82	92.4	45-125	1926	7.29	30	
Surr: 2,4,6-Tribromophenol	*3282*	0	*4688*	0	*70*	*34-140*	3583	*8.75*	*40*	
Surr: 2-Fluorobiphenyl	*2916*	0	*4688*	0	*62.2*	*12-100*	3236	*10.4*	*40*	
Surr: 2-Fluorophenol	*3828*	0	*4688*	0	*81.7*	*33-117*	4221	*9.77*	*40*	
Surr: 4-Terphenyl-d14	*3833*	0	*4688*	0	*81.8*	*25-137*	4185	*8.78*	*40*	
Surr: Nitrobenzene-d5	*3444*	0	*4688*	0	*73.5*	*37-107*	3845	*11*	*40*	
Surr: Phenol-d6	*3600*	0	*4688*	0	*76.8*	*40-106*	4011	*10.8*	*40*	

The following samples were analyzed in this batch: 1303495-01A 1303495-02A 1303495-03A 1303495-04A 1303495-05A 1303495-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **47010** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **DBLKS1-47010-47010** Units: **mg/Kg** Analysis Date: **3/20/2013 07:48 PM**
Client ID: Run ID: **SVMS6_130320A** SeqNo: **2244546** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	U	4.2								
ORO (C21-C35)	U	4.2								
Surr: 4-Terphenyl-d14	*1.545*	0	*1.667*	0	*92.7*	*25-137*	0			

LCS Sample ID: **DLCSS1-47010-47010** Units: **mg/Kg** Analysis Date: **3/20/2013 09:45 PM**
Client ID: Run ID: **SVMS6_130320A** SeqNo: **2244548** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	135.3	4.2	166.7	0	81.2	49-124	0			
ORO (C21-C35)	154	4.2	166.7	0	92.4	60-130	0			
Surr: 4-Terphenyl-d14	*1.538*	0	*1.667*	0	*92.3*	*25-137*	0			

MS Sample ID: **1303495-03A MS** Units: **mg/Kg** Analysis Date: **3/21/2013 12:20 PM**
Client ID: **SS-3** Run ID: **SVMS6_130320A** SeqNo: **2244565** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	266.6	8.2	328.8	17.02	75.9	31-135	0			
ORO (C21-C35)	380.4	8.2	328.8	66.6	95.4	31-135	0			
Surr: 4-Terphenyl-d14	*2.855*	0	*3.288*	0	*86.8*	*25-137*	0			

MSD Sample ID: **1303495-03A MSD** Units: **mg/Kg** Analysis Date: **3/21/2013 12:49 PM**
Client ID: **SS-3** Run ID: **SVMS6_130320A** SeqNo: **2244567** Prep Date: **3/20/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	251.8	7.9	316.5	17.02	74.2	31-135	266.6	5.71	30	
ORO (C21-C35)	370.6	7.9	316.5	66.6	96.1	31-135	380.4	2.59	30	
Surr: 4-Terphenyl-d14	*2.799*	0	*3.165*	0	*88.4*	*25-137*	2.855	*2.01*	*30*	

The following samples were analyzed in this batch:

1303495-01A	1303495-02A	1303495-03A
1303495-04A	1303495-05A	1303495-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

MBLK Sample ID: **MBLK-46998-46998** Units: **µg/Kg** Analysis Date: **3/20/2013 01:48 AM**
Client ID: Run ID: **VMS5_130319B** SeqNo: **2243601** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	U	2,500								
Surr: Toluene-d8	*984.5*	0	*1000*	0	*98.4*	*70-130*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

LCS Sample ID: **LCS-46998-46998** Units: **µg/Kg** Analysis Date: **3/20/2013 12:15 PM**
Client ID: Run ID: **VMS5_130319B** SeqNo: **2243367** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1142	30	1000	0	114	70-135	0			
1,1,2,2-Tetrachloroethane	922.5	30	1000	0	92.2	55-130	0			
1,1,2-Trichloroethane	991	30	1000	0	99.1	60-125	0			
1,1-Dichloroethane	1102	30	1000	0	110	75-125	0			
1,1-Dichloroethene	1218	30	1000	0	122	65-135	0			
1,2,4-Trichlorobenzene	980	30	1000	0	98	65-130	0			
1,2-Dibromo-3-chloropropane	925.5	30	1000	0	92.6	40-135	0			
1,2-Dibromoethane	1068	30	1000	0	107	70-125	0			
1,2-Dichlorobenzene	969	30	1000	0	96.9	75-120	0			
1,2-Dichloroethane	1030	30	1000	0	103	70-135	0			
1,2-Dichloropropane	1044	30	1000	0	104	70-120	0			
1,3-Dichlorobenzene	1022	30	1000	0	102	70-125	0			
1,4-Dichlorobenzene	1001	30	1000	0	100	70-125	0			
2-Butanone	1044	200	1000	0	104	30-160	0			
2-Hexanone	936.5	30	1000	0	93.6	45-145	0			
4-Methyl-2-pentanone	1384	30	1000	0	138	45-145	0			
Acetone	1146	100	1000	0	115	20-160	0			
Benzene	1089	30	1000	0	109	75-125	0			
Bromodichloromethane	987	30	1000	0	98.7	70-130	0			
Bromoform	930	30	1000	0	93	55-135	0			
Bromomethane	1340	75	1000	0	134	30-160	0			
Carbon disulfide	1533	30	1000	0	153	45-160	0			
Carbon tetrachloride	1085	30	1000	0	108	65-135	0			
Chlorobenzene	1070	30	1000	0	107	75-125	0			
Chloroethane	1063	100	1000	0	106	40-155	0			
Chloroform	1058	30	1000	0	106	70-125	0			
Chloromethane	1042	100	1000	0	104	50-130	0			
cis-1,2-Dichloroethene	1083	30	1000	0	108	65-125	0			
cis-1,3-Dichloropropene	1012	30	1000	0	101	70-125	0			
Dibromochloromethane	972.5	30	1000	0	97.2	65-135	0			
Dichlorodifluoromethane	991.5	30	1000	0	99.2	35-135	0			
Ethylbenzene	1144	30	1000	0	114	75-125	0			
Isopropylbenzene	1172	30	1000	0	117	75-130	0			
m,p-Xylene	2273	60	2000	0	114	80-125	0			
Methyl tert-butyl ether	1062	30	1000	0	106	75-125	0			
Methylene chloride	1152	30	1000	0	115	55-145	0			
o-Xylene	1106	30	1000	0	111	75-125	0			
Styrene	1101	30	1000	0	110	75-125	0			
Tetrachloroethene	1226	30	1000	0	123	64-140	0			
Toluene	1073	30	1000	0	107	70-125	0			
trans-1,2-Dichloroethene	1148	30	1000	0	115	65-135	0			
trans-1,3-Dichloropropene	1004	30	1000	0	100	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

Trichloroethene	1069	30	1000	0	107	75-125	0
Trichlorofluoromethane	1019	30	1000	0	102	25-185	0
Vinyl chloride	1164	30	1000	0	116	60-125	0
Xylenes, Total	3378	90	3000	0	113	75-125	0
Surr: 1,2-Dichloroethane-d4	*970.5*	0	*1000*	0	*97*	*70-130*	0
Surr: 4-Bromofluorobenzene	*997*	0	*1000*	0	*99.7*	*70-130*	0
Surr: Dibromofluoromethane	*982*	0	*1000*	0	*98.2*	*70-130*	0
Surr: Toluene-d8	*982.5*	0	*1000*	0	*98.2*	*70-130*	0

LCS Sample ID: **LCS-46998-46998** Units: **µg/Kg** Analysis Date: **3/20/2013 12:15 PM**

Client ID: Run ID: **VMS5_130319B** SeqNo: **2243618** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	22080	2,500	25000	0	88.3	75-125	0			
Surr: Toluene-d8	*982.5*	0	*1000*	0	*98.2*	*70-130*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

MS Sample ID: **1303495-01B MS** Units: **µg/Kg** Analysis Date: **3/20/2013 08:21 AM**
Client ID: **SS-1** Run ID: **VMS5_130319B** SeqNo: **2243365** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1118	30	1000	0	112	70-135	0			
1,1,2,2-Tetrachloroethane	850.5	30	1000	0	85	55-130	0			
1,1,2-Trichloroethane	912.5	30	1000	0	91.2	60-125	0			
1,1-Dichloroethane	1076	30	1000	0	108	75-125	0			
1,1-Dichloroethene	1200	30	1000	0	120	65-135	0			
1,2,4-Trichlorobenzene	932	30	1000	0	93.2	65-130	0			
1,2-Dibromo-3-chloropropane	825	30	1000	0	82.5	40-135	0			
1,2-Dibromoethane	984	30	1000	0	98.4	70-125	0			
1,2-Dichlorobenzene	932.5	30	1000	0	93.2	75-120	0			
1,2-Dichloroethane	962.5	30	1000	0	96.2	70-135	0			
1,2-Dichloropropane	1001	30	1000	0	100	70-120	0			
1,3-Dichlorobenzene	977	30	1000	0	97.7	70-125	0			
1,4-Dichlorobenzene	956.5	30	1000	0	95.6	70-125	0			
2-Butanone	964	200	1000	0	96.4	30-160	0			
2-Hexanone	912.5	30	1000	0	91.2	45-145	0			
4-Methyl-2-pentanone	1336	30	1000	0	134	45-145	0			
Acetone	1280	100	1000	0	128	20-160	0			
Benzene	1050	30	1000	0	105	75-125	0			
Bromodichloromethane	938	30	1000	0	93.8	70-130	0			
Bromoform	856.5	30	1000	0	85.6	55-135	0			
Bromomethane	558	75	1000	0	55.8	30-160	0			
Carbon disulfide	1564	30	1000	0	156	45-160	0			
Carbon tetrachloride	1052	30	1000	0	105	65-135	0			
Chlorobenzene	1030	30	1000	0	103	75-125	0			
Chloroethane	820	100	1000	0	82	40-155	0			
Chloroform	1016	30	1000	0	102	70-125	0			
Chloromethane	1008	100	1000	0	101	50-130	0			
cis-1,2-Dichloroethene	1029	30	1000	0	103	65-125	0			
cis-1,3-Dichloropropene	911	30	1000	0	91.1	70-125	0			
Dibromochloromethane	893.5	30	1000	0	89.4	65-135	0			
Dichlorodifluoromethane	1102	30	1000	0	110	35-135	0			
Ethylbenzene	1092	30	1000	0	109	75-125	0			
Isopropylbenzene	1156	30	1000	0	116	75-130	0			
m,p-Xylene	2205	60	2000	0	110	80-125	0			
Methyl tert-butyl ether	997.5	30	1000	0	99.8	75-125	0			
Methylene chloride	1108	30	1000	0	111	55-145	0			
o-Xylene	1056	30	1000	0	106	75-125	0			
Styrene	1042	30	1000	0	104	75-125	0			
Tetrachloroethene	1193	30	1000	0	119	64-140	0			
Toluene	1075	30	1000	75	100	70-125	0			
trans-1,2-Dichloroethene	1144	30	1000	0	114	65-135	0			
trans-1,3-Dichloropropene	900.5	30	1000	0	90	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

Trichloroethene	1050	30	1000	0	105	75-125	0
Trichlorofluoromethane	1028	30	1000	0	103	25-185	0
Vinyl chloride	1152	30	1000	0	115	60-125	0
Xylenes, Total	3262	90	3000	0	109	75-125	0
Surr: 1,2-Dichloroethane-d4	*974*	0	*1000*	0	*97.4*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1000*	0	*1000*	0	*100*	*70-130*	0
Surr: Dibromofluoromethane	*962*	0	*1000*	0	*96.2*	*70-130*	0
Surr: Toluene-d8	*1000*	0	*1000*	0	*100*	*70-130*	0

MS Sample ID: **1303495-01B MS** Units: **µg/Kg** Analysis Date: **3/20/2013 08:21 AM**
Client ID: **SS-1** Run ID: **VMS5_130319B** SeqNo: **2243614** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	66910	2,500	25000	976.5	264	75-125	0			S
Surr: Toluene-d8	*987*	0	*1000*	0	*98.7*	*70-130*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

MSD Sample ID: **1303495-01B MSD** Units: **µg/Kg** Analysis Date: **3/20/2013 08:44 AM**

Client ID: **SS-1** Run ID: **VMS5_130319B** SeqNo: **2243366** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1122	30	1000	0	112	70-135	1118	0.313	30	
1,1,2,2-Tetrachloroethane	825	30	1000	0	82.5	55-130	850.5	3.04	30	
1,1,2-Trichloroethane	909.5	30	1000	0	91	60-125	912.5	0.329	30	
1,1-Dichloroethane	1042	30	1000	0	104	75-125	1076	3.26	30	
1,1-Dichloroethene	1189	30	1000	0	119	65-135	1200	0.963	30	
1,2,4-Trichlorobenzene	1011	30	1000	0	101	65-130	932	8.13	30	
1,2-Dibromo-3-chloropropane	847	30	1000	0	84.7	40-135	825	2.63	30	
1,2-Dibromoethane	970	30	1000	0	97	70-125	984	1.43	30	
1,2-Dichlorobenzene	976.5	30	1000	0	97.6	75-120	932.5	4.61	30	
1,2-Dichloroethane	958	30	1000	0	95.8	70-135	962.5	0.469	30	
1,2-Dichloropropane	979	30	1000	0	97.9	70-120	1001	2.22	30	
1,3-Dichlorobenzene	1036	30	1000	0	104	70-125	977	5.86	30	
1,4-Dichlorobenzene	1004	30	1000	0	100	70-125	956.5	4.85	30	
2-Butanone	985	200	1000	0	98.5	30-160	964	2.15	30	
2-Hexanone	939	30	1000	0	93.9	45-145	912.5	2.86	30	
4-Methyl-2-pentanone	1304	30	1000	0	130	45-145	1336	2.43	30	
Acetone	1265	100	1000	0	126	20-160	1280	1.18	30	
Benzene	1024	30	1000	0	102	75-125	1050	2.46	30	
Bromodichloromethane	935	30	1000	0	93.5	70-130	938	0.32	30	
Bromoform	818	30	1000	0	81.8	55-135	856.5	4.6	30	
Bromomethane	711	75	1000	0	71.1	30-160	558	24.1	30	
Carbon disulfide	1478	30	1000	0	148	45-160	1564	5.62	30	
Carbon tetrachloride	1040	30	1000	0	104	65-135	1052	1.2	30	
Chlorobenzene	1008	30	1000	0	101	75-125	1030	2.21	30	
Chloroethane	755.5	100	1000	0	75.6	40-155	820	8.19	30	
Chloroform	989	30	1000	0	98.9	70-125	1016	2.74	30	
Chloromethane	1022	100	1000	0	102	50-130	1008	1.43	30	
cis-1,2-Dichloroethene	1015	30	1000	0	102	65-125	1029	1.37	30	
cis-1,3-Dichloropropene	904	30	1000	0	90.4	70-125	911	0.771	30	
Dibromochloromethane	883	30	1000	0	88.3	65-135	893.5	1.18	30	
Dichlorodifluoromethane	1080	30	1000	0	108	35-135	1102	2.11	30	
Ethylbenzene	1088	30	1000	0	109	75-125	1092	0.321	30	
Isopropylbenzene	1168	30	1000	0	117	75-130	1156	1.08	30	
m,p-Xylene	2186	60	2000	0	109	80-125	2205	0.865	30	
Methyl tert-butyl ether	984.5	30	1000	0	98.4	75-125	997.5	1.31	30	
Methylene chloride	1098	30	1000	0	110	55-145	1108	0.952	30	
o-Xylene	1056	30	1000	0	106	75-125	1056	0.0473	30	
Styrene	1038	30	1000	0	104	75-125	1042	0.433	30	
Tetrachloroethene	1174	30	1000	0	117	64-140	1193	1.61	30	
Toluene	1053	30	1000	75	97.8	70-125	1075	2.07	30	
trans-1,2-Dichloroethene	1110	30	1000	0	111	65-135	1144	3.02	30	
trans-1,3-Dichloropropene	888	30	1000	0	88.8	65-125	900.5	1.4	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **46998** Instrument ID **VMS5** Method: **SW8260**

Trichloroethene	1034	30	1000	0	103	75-125	1050	1.54	30
Trichlorofluoromethane	995	30	1000	0	99.5	25-185	1028	3.21	30
Vinyl chloride	1142	30	1000	0	114	60-125	1152	0.785	30
Xylenes, Total	3242	90	3000	0	108	75-125	3262	0.6	30
Surr: 1,2-Dichloroethane-d4	*1002*	0	*1000*	0	*100*	*70-130*	974	*2.78*	*30*
Surr: 4-Bromofluorobenzene	*1012*	0	*1000*	0	*101*	*70-130*	1000	*1.14*	*30*
Surr: Dibromofluoromethane	*973.5*	0	*1000*	0	*97.4*	*70-130*	962	*1.19*	*30*
Surr: Toluene-d8	*996.5*	0	*1000*	0	*99.6*	*70-130*	1000	*0.401*	*30*

MSD Sample ID: **1303495-01B MSD** Units: **µg/Kg** Analysis Date: **3/20/2013 08:44 AM**

Client ID: **SS-1** Run ID: **VMS5_130319B** SeqNo: **2243617** Prep Date: **3/18/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	66960	2,500	25000	976.5	264	75-125	66910	0.0687	30	S
Surr: Toluene-d8	*986.5*	0	*1000*	0	*98.6*	*70-130*	987	*0.0507*	*30*	

The following samples were analyzed in this batch:

1303495-01B	1303495-02B	1303495-03B
1303495-04B	1303495-05B	1303495-06B
1303495-07A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **VBLKS1-130320-R117582** Units: **µg/Kg** Analysis Date: **3/20/2013 10:39 AM**

Client ID: Run ID: **VMS7_130320A** SeqNo: **2243610** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1,2-Trichlorotrifluoroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trichlorobenzene	U	5.0								
1,2-Dibromo-3-chloropropane	U	5.0								
1,2-Dibromoethane	U	5.0								
1,2-Dichlorobenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3-Dichlorobenzene	U	5.0								
1,4-Dichlorobenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	10								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	5.0								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	0.52	5.0								J
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	5.0								
Dichlorodifluoromethane	U	10								
Ethylbenzene	U	5.0								
Isopropylbenzene	U	5.0								
m,p-Xylene	U	2.5								
Methyl acetate	U	10								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	10								
Methylene chloride	U	5.0								
o-Xylene	U	2.5								
Styrene	U	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

Tetrachloroethene	U	5.0					
Toluene	U	5.0					
trans-1,2-Dichloroethene	U	5.0					
trans-1,3-Dichloropropene	U	10					
Trichloroethene	U	5.0					
Trichlorofluoromethane	U	5.0					
Vinyl chloride	U	5.0					
Xylenes, Total	U	5.0					
Surr: 1,2-Dichloroethane-d4	*19.29*	0	*20*	0	*96.4*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.48*	0	*20*	0	*102*	*75-120*	0
Surr: Dibromofluoromethane	*19.34*	0	*20*	0	*96.7*	*85-115*	0
Surr: Toluene-d8	*19.33*	0	*20*	0	*96.6*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

LCS Sample ID: **VLCSS-130320-R117582** Units: **µg/Kg** Analysis Date: **3/20/2013 09:32 AM**
Client ID: Run ID: **VMS7_130320A** SeqNo: **2243605** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.34	5.0	20	0	91.7	70-135	0			
1,1,2,2-Tetrachloroethane	18.41	5.0	20	0	92	55-130	0			
1,1,2-Trichloroethane	18.27	5.0	20	0	91.4	60-125	0			
1,1-Dichloroethane	20.06	5.0	20	0	100	75-125	0			
1,1-Dichloroethene	20.51	5.0	20	0	103	65-135	0			
1,2,4-Trichlorobenzene	19.54	5.0	20	0	97.7	65-130	0			
1,2-Dibromo-3-chloropropane	20.55	5.0	20	0	103	40-135	0			
1,2-Dibromoethane	32.11	5.0	20	0	161	70-125	0			S
1,2-Dichlorobenzene	18.95	5.0	20	0	94.8	75-120	0			
1,2-Dichloroethane	17.21	5.0	20	0	86	70-135	0			
1,2-Dichloropropane	18.63	5.0	20	0	93.2	70-120	0			
1,3-Dichlorobenzene	18.97	5.0	20	0	94.8	70-125	0			
1,4-Dichlorobenzene	19.12	5.0	20	0	95.6	70-125	0			
2-Butanone	19.87	10	20	0	99.4	30-160	0			
2-Hexanone	22.78	5.0	20	0	114	45-145	0			
4-Methyl-2-pentanone	28.25	5.0	20	0	141	45-145	0			
Acetone	21.68	10	20	0	108	20-160	0			
Benzene	18.62	5.0	20	0	93.1	75-125	0			
Bromodichloromethane	18.82	5.0	20	0	94.1	70-130	0			
Bromoform	19	5.0	20	0	95	55-135	0			
Bromomethane	17.72	10	20	0	88.6	30-160	0			
Carbon disulfide	24.85	5.0	20	0	124	45-160	0			
Carbon tetrachloride	20.59	5.0	20	0	103	65-135	0			
Chlorobenzene	19.16	5.0	20	0	95.8	75-125	0			
Chloroethane	19.55	5.0	20	0	97.8	40-155	0			
Chloroform	17.11	5.0	20	0	85.6	70-125	0			
Chloromethane	19.21	10	20	0	96	50-130	0			
cis-1,2-Dichloroethene	17.97	5.0	20	0	89.8	65-125	0			
cis-1,3-Dichloropropene	18.65	5.0	20	0	93.2	70-125	0			
Dibromochloromethane	18.41	5.0	20	0	92	65-135	0			
Dichlorodifluoromethane	18.95	10	20	0	94.8	35-135	0			
Ethylbenzene	19.7	5.0	20	0	98.5	75-125	0			
Isopropylbenzene	18.73	5.0	20	0	93.6	75-130	0			
m,p-Xylene	39.26	2.5	40	0	98.2	80-125	0			
Methyl tert-butyl ether	18.63	5.0	20	0	93.2	75-125	0			
Methylene chloride	18.8	5.0	20	0	94	55-140	0			
o-Xylene	18.92	2.5	20	0	94.6	75-125	0			
Styrene	19.33	5.0	20	0	96.6	75-125	0			
Tetrachloroethene	19.04	5.0	20	0	95.2	65-140	0			
Toluene	19.26	5.0	20	0	96.3	70-125	0			
trans-1,2-Dichloroethene	20.5	5.0	20	0	102	65-135	0			
trans-1,3-Dichloropropene	20.48	10	20	0	102	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	18.65	5.0	20	0	93.2	75-125	0
Trichlorofluoromethane	18.29	5.0	20	0	91.4	25-185	0
Vinyl chloride	20.36	5.0	20	0	102	60-125	0
Xylenes, Total	58.18	5.0	60	0	97	75-125	0
Surr: 1,2-Dichloroethane-d4	*17.99*	0	*20*	0	*90*	*70-120*	0
Surr: 4-Bromofluorobenzene	*19.37*	0	*20*	0	*96.8*	*75-120*	0
Surr: Dibromofluoromethane	*18.84*	0	*20*	0	*94.2*	*85-115*	0
Surr: Toluene-d8	*19.69*	0	*20*	0	*98.4*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

MS Sample ID: **1303418-24A MS** Units: **µg/Kg** Analysis Date: **3/20/2013 07:35 PM**
Client ID: Run ID: **VMS7_130320A** SeqNo: **2243654** Prep Date: DF: **0.965**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.76	4.8	19.3	0	102	70-135	0			
1,1,2,2-Tetrachloroethane	12.79	4.8	19.3	0	66.2	55-130	0			
1,1,2-Trichloroethane	13.83	4.8	19.3	0	71.6	60-125	0			
1,1-Dichloroethane	18.82	4.8	19.3	0	97.5	75-125	0			
1,1-Dichloroethene	20.82	4.8	19.3	0	108	65-135	0			
1,2,4-Trichlorobenzene	9.679	4.8	19.3	0	50.2	65-130	0			S
1,2-Dibromo-3-chloropropane	10.87	4.8	19.3	0	56.3	40-135	0			
1,2-Dibromoethane	18.8	4.8	19.3	0	97.4	70-125	0			
1,2-Dichlorobenzene	11.94	4.8	19.3	0	61.8	75-120	0			S
1,2-Dichloroethane	16.19	4.8	19.3	0	83.9	70-135	0			
1,2-Dichloropropane	16.16	4.8	19.3	0	83.8	70-120	0			
1,3-Dichlorobenzene	12.94	4.8	19.3	0	67	70-125	0			S
1,4-Dichlorobenzene	12.23	4.8	19.3	0	63.4	70-125	0			S
2-Butanone	37.26	9.6	19.3	1.286	186	30-160	0			S
2-Hexanone	25.03	4.8	19.3	0	130	45-145	0			
4-Methyl-2-pentanone	26.19	4.8	19.3	0	136	45-145	0			
Acetone	62.45	9.6	19.3	12.36	260	20-160	0			S
Benzene	17.68	4.8	19.3	0.2814	90.1	75-125	0			
Bromodichloromethane	15.27	4.8	19.3	0	79.1	70-130	0			
Bromoform	10.66	4.8	19.3	0	55.2	55-135	0			
Bromomethane	18.19	9.6	19.3	0	94.2	30-160	0			
Carbon disulfide	24.53	4.8	19.3	0.1809	126	45-160	0			
Carbon tetrachloride	22.31	4.8	19.3	0	116	65-135	0			
Chlorobenzene	14.71	4.8	19.3	0	76.2	75-125	0			
Chloroethane	18.89	4.8	19.3	0	97.8	40-155	0			
Chloroform	16.87	4.8	19.3	0.335	85.7	70-125	0			
Chloromethane	16.5	9.6	19.3	0	85.5	50-130	0			
cis-1,2-Dichloroethene	18.11	4.8	19.3	0	93.8	65-125	0			
cis-1,3-Dichloropropene	13.47	4.8	19.3	0	69.8	70-125	0			S
Dibromochloromethane	12.26	4.8	19.3	0	63.5	65-135	0			S
Dichlorodifluoromethane	20.4	9.6	19.3	0	106	35-135	0			
Ethylbenzene	17.27	4.8	19.3	0.1206	88.9	75-125	0			
Isopropylbenzene	17.83	4.8	19.3	0	92.4	75-130	0			
m,p-Xylene	34.47	2.4	38.6	0.1876	88.8	80-125	0			
Methyl tert-butyl ether	16.6	4.8	19.3	0	86	75-125	0			
Methylene chloride	18.39	4.8	19.3	0	95.3	55-140	0			
o-Xylene	16.51	2.4	19.3	0	85.6	75-125	0			
Styrene	14.24	4.8	19.3	0	73.8	75-125	0			S
Tetrachloroethene	20.13	4.8	19.3	0	104	65-140	0			
Toluene	17.63	4.8	19.3	0.4623	89	70-125	0			
trans-1,2-Dichloroethene	19.65	4.8	19.3	0	102	65-135	0			
trans-1,3-Dichloropropene	12.54	9.6	19.3	0	65	65-125	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	16.84	4.8	19.3	0	87.2	75-125	0
Trichlorofluoromethane	19.76	4.8	19.3	0	102	25-185	0
Vinyl chloride	20.04	4.8	19.3	0.5695	101	60-125	0
Xylenes, Total	50.98	4.8	57.9	0.1876	87.7	75-125	0
Surr: 1,2-Dichloroethane-d4	*21.95*	0	*19.3*	0	*114*	*70-120*	0
Surr: 4-Bromofluorobenzene	*19.8*	0	*19.3*	0	*103*	*75-120*	0
Surr: Dibromofluoromethane	*20.52*	0	*19.3*	0	*106*	*85-115*	0
Surr: Toluene-d8	*19.85*	0	*19.3*	0	*103*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

MSD Sample ID: **1303418-24A MSD** Units: **µg/Kg** Analysis Date: **3/20/2013 08:03 PM**
Client ID: Run ID: **VMS7_130320A** SeqNo: **2243656** Prep Date: DF: **0.962**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	15.11	4.8	19.24	0	78.6	70-135	19.76	26.7	30	
1,1,2,2-Tetrachloroethane	10.77	4.8	19.24	0	56	55-130	12.79	17.1	30	
1,1,2-Trichloroethane	11.85	4.8	19.24	0	61.6	60-125	13.83	15.4	30	
1,1-Dichloroethane	15.21	4.8	19.24	0	79	75-125	18.82	21.2	30	
1,1-Dichloroethene	15.49	4.8	19.24	0	80.5	65-135	20.82	29.3	30	
1,2,4-Trichlorobenzene	9.495	4.8	19.24	0	49.4	65-130	9.679	1.92	30	S
1,2-Dibromo-3-chloropropane	10.09	4.8	19.24	0	52.4	40-135	10.87	7.39	30	
1,2-Dibromoethane	16.22	4.8	19.24	0	84.3	70-125	18.8	14.7	30	
1,2-Dichlorobenzene	11.36	4.8	19.24	0	59	75-120	11.94	4.94	30	S
1,2-Dichloroethane	13.54	4.8	19.24	0	70.4	70-135	16.19	17.9	30	
1,2-Dichloropropane	13.68	4.8	19.24	0	71.1	70-120	16.16	16.6	30	
1,3-Dichlorobenzene	11.56	4.8	19.24	0	60.1	70-125	12.94	11.2	30	S
1,4-Dichlorobenzene	11.17	4.8	19.24	0	58	70-125	12.23	9.04	30	S
2-Butanone	29.24	9.6	19.24	1.286	145	30-160	37.26	24.1	30	
2-Hexanone	21.79	4.8	19.24	0	113	45-145	25.03	13.9	30	
4-Methyl-2-pentanone	20.87	4.8	19.24	0	108	45-145	26.19	22.6	30	
Acetone	46.7	9.6	19.24	12.36	178	20-160	62.45	28.9	30	S
Benzene	13.84	4.8	19.24	0.2814	70.5	75-125	17.68	24.3	30	S
Bromodichloromethane	13.55	4.8	19.24	0	70.4	70-130	15.27	11.9	30	
Bromoform	9.649	4.8	19.24	0	50.2	55-135	10.66	9.99	30	S
Bromomethane	19.12	9.6	19.24	0	99.4	30-160	18.19	5.01	30	
Carbon disulfide	18.69	4.8	19.24	0.1809	96.2	45-160	24.53	27	30	
Carbon tetrachloride	16.84	4.8	19.24	0	87.5	65-135	22.31	28	30	
Chlorobenzene	12.21	4.8	19.24	0	63.4	75-125	14.71	18.6	30	S
Chloroethane	16.34	4.8	19.24	0	85	40-155	18.89	14.4	30	
Chloroform	14.37	4.8	19.24	0.335	73	70-125	16.87	16	30	
Chloromethane	14.58	9.6	19.24	0	75.8	50-130	16.5	12.3	30	
cis-1,2-Dichloroethene	15.34	4.8	19.24	0	79.8	65-125	18.11	16.6	30	
cis-1,3-Dichloropropene	11.66	4.8	19.24	0	60.6	70-125	13.47	14.4	30	S
Dibromochloromethane	11.48	4.8	19.24	0	59.6	65-135	12.26	6.56	30	S
Dichlorodifluoromethane	15.64	9.6	19.24	0	81.3	35-135	20.4	26.4	30	
Ethylbenzene	12.92	4.8	19.24	0.1206	66.5	75-125	17.27	28.8	30	S
Isopropylbenzene	13.27	4.8	19.24	0	69	75-130	17.83	29.4	30	S
m,p-Xylene	26.12	2.4	38.48	0.1876	67.4	80-125	34.47	27.6	30	S
Methyl tert-butyl ether	14.02	4.8	19.24	0	72.8	75-125	16.6	16.9	30	S
Methylene chloride	16.06	4.8	19.24	0	83.4	55-140	18.39	13.6	30	
o-Xylene	13.32	2.4	19.24	0	69.2	75-125	16.51	21.4	30	S
Styrene	11.83	4.8	19.24	0	61.5	75-125	14.24	18.5	30	S
Tetrachloroethene	17.94	4.8	19.24	0	93.2	65-140	20.13	11.5	30	
Toluene	13.49	4.8	19.24	0.4623	67.7	70-125	17.63	26.6	30	S
trans-1,2-Dichloroethene	15.29	4.8	19.24	0	79.4	65-135	19.65	25	30	
trans-1,3-Dichloropropene	11.49	9.6	19.24	0	59.7	65-125	12.54	8.73	30	S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117582** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	12.66	4.8	19.24	0	65.8	75-125	16.84	28.3	30	S
Trichlorofluoromethane	13.91	4.8	19.24	0	72.3	25-185	19.76	34.8	30	R
Vinyl chloride	16.27	4.8	19.24	0.5695	81.6	60-125	20.04	20.8	30	
Xylenes, Total	39.44	4.8	57.72	0.1876	68	75-125	50.98	25.5	30	S
Surr: 1,2-Dichloroethane-d4	*18.61*	0	*19.24*	0	*96.8*	*70-120*	21.95	*16.5*	*30*	
Surr: 4-Bromofluorobenzene	*19.26*	0	*19.24*	0	*100*	*75-120*	19.8	*2.78*	*30*	
Surr: Dibromofluoromethane	*19.53*	0	*19.24*	0	*102*	*85-115*	20.52	*4.93*	*30*	
Surr: Toluene-d8	*20.14*	0	*19.24*	0	*105*	*85-120*	19.85	*1.47*	*30*	

The following samples were analyzed in this batch:

1303495-01B	1303495-02B	1303495-03B
1303495-04B	1303495-05B	1303495-07A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **VBLKS1-130321-R117689** Units: **µg/Kg** Analysis Date: **3/21/2013 02:37 PM**
Client ID: Run ID: **VMS7_130321A** SeqNo: **2245041** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1,2-Trichlorotrifluoroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trichlorobenzene	U	5.0								
1,2-Dibromo-3-chloropropane	U	5.0								
1,2-Dibromoethane	U	5.0								
1,2-Dichlorobenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3-Dichlorobenzene	U	5.0								
1,4-Dichlorobenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	5.0								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	0.61	5.0								J
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	5.0								
Dichlorodifluoromethane	U	10								
Ethylbenzene	U	5.0								
Isopropylbenzene	U	5.0								
m,p-Xylene	U	2.5								
Methyl acetate	U	10								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	10								
Methylene chloride	U	5.0								
o-Xylene	U	2.5								
Styrene	U	5.0								
Tetrachloroethene	U	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

Toluene	U	5.0					
trans-1,2-Dichloroethene	U	5.0					
trans-1,3-Dichloropropene	U	10					
Trichloroethene	U	5.0					
Trichlorofluoromethane	U	5.0					
Vinyl chloride	U	5.0					
Xylenes, Total	U	5.0					
Surr: 1,2-Dichloroethane-d4	*21.61*	0	*20*	0	*108*	*70-120*	0
Surr: 4-Bromofluorobenzene	*21.33*	0	*20*	0	*107*	*75-120*	0
Surr: Dibromofluoromethane	*19.95*	0	*20*	0	*99.8*	*85-115*	0
Surr: Toluene-d8	*20.15*	0	*20*	0	*101*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

LCS Sample ID: **VLCSS1-130321-R117689** Units: **µg/Kg** Analysis Date: **3/21/2013 01:18 PM**

Client ID: Run ID: **VMS7_130321A** SeqNo: **2245038** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.82	5.0	20	0	99.1	70-135	0			
1,1,2,2-Tetrachloroethane	18.28	5.0	20	0	91.4	55-130	0			
1,1,2-Trichloroethane	17.41	5.0	20	0	87	60-125	0			
1,1-Dichloroethane	19.73	5.0	20	0	98.6	75-125	0			
1,1-Dichloroethene	20.34	5.0	20	0	102	65-135	0			
1,2,4-Trichlorobenzene	18.61	5.0	20	0	93	65-130	0			
1,2-Dibromo-3-chloropropane	18.71	5.0	20	0	93.6	40-135	0			
1,2-Dibromoethane	29.5	5.0	20	0	148	70-125	0			S
1,2-Dichlorobenzene	18.66	5.0	20	0	93.3	75-120	0			
1,2-Dichloroethane	19.04	5.0	20	0	95.2	70-135	0			
1,2-Dichloropropane	19.47	5.0	20	0	97.4	70-120	0			
1,3-Dichlorobenzene	18.62	5.0	20	0	93.1	70-125	0			
1,4-Dichlorobenzene	18.75	5.0	20	0	93.8	70-125	0			
2-Butanone	22.41	10	20	0	112	30-160	0			
2-Hexanone	21.42	5.0	20	0	107	45-145	0			
4-Methyl-2-pentanone	26.45	5.0	20	0	132	45-145	0			
Benzene	19.15	5.0	20	0	95.8	75-125	0			
Bromodichloromethane	20.2	5.0	20	0	101	70-130	0			
Bromoform	18.38	5.0	20	0	91.9	55-135	0			
Bromomethane	17.93	10	20	0	89.6	30-160	0			
Carbon disulfide	24.45	5.0	20	0	122	45-160	0			
Carbon tetrachloride	22.4	5.0	20	0	112	65-135	0			
Chlorobenzene	18.94	5.0	20	0	94.7	75-125	0			
Chloroethane	19.33	5.0	20	0	96.6	40-155	0			
Chloroform	18.78	5.0	20	0	93.9	70-125	0			
Chloromethane	16.75	10	20	0	83.8	50-130	0			
cis-1,2-Dichloroethene	20.5	5.0	20	0	102	65-125	0			
cis-1,3-Dichloropropene	19.44	5.0	20	0	97.2	70-125	0			
Dibromochloromethane	18.77	5.0	20	0	93.8	65-135	0			
Dichlorodifluoromethane	18.52	10	20	0	92.6	35-135	0			
Ethylbenzene	19.3	5.0	20	0	96.5	75-125	0			
Isopropylbenzene	19.07	5.0	20	0	95.4	75-130	0			
m,p-Xylene	38.73	2.5	40	0	96.8	80-125	0			
Methyl tert-butyl ether	20.03	5.0	20	0	100	75-125	0			
Methylene chloride	19.77	5.0	20	0	98.8	55-140	0			
o-Xylene	19.13	2.5	20	0	95.6	75-125	0			
Styrene	19.18	5.0	20	0	95.9	75-125	0			
Tetrachloroethene	18.79	5.0	20	0	94	65-140	0			
Toluene	18.8	5.0	20	0	94	70-125	0			
trans-1,2-Dichloroethene	20.94	5.0	20	0	105	65-135	0			
trans-1,3-Dichloropropene	19.71	10	20	0	98.6	65-125	0			
Trichloroethene	18.18	5.0	20	0	90.9	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

Trichlorofluoromethane	18.38	5.0	20	0	91.9	25-185	0
Vinyl chloride	18.53	5.0	20	0	92.6	60-125	0
Xylenes, Total	57.86	5.0	60	0	96.4	75-125	0
Surr: 1,2-Dichloroethane-d4	*20.65*	0	*20*	0	*103*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.48*	0	*20*	0	*102*	*75-120*	0
Surr: Dibromofluoromethane	*20.04*	0	*20*	0	*100*	*85-115*	0
Surr: Toluene-d8	*19.76*	0	*20*	0	*98.8*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

MS Sample ID: **1303626-02A MS** Units: **µg/Kg** Analysis Date: **3/21/2013 08:40 PM**
Client ID: Run ID: **VMS7_130321A** SeqNo: **2245081** Prep Date: DF: **0.996**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.35	5.0	19.92	0	92.1	70-135	0			
1,1,2,2-Tetrachloroethane	14.61	5.0	19.92	0	73.4	55-130	0			
1,1,2-Trichloroethane	16.96	5.0	19.92	0	85.2	60-125	0			
1,1-Dichloroethane	19.61	5.0	19.92	0	98.4	75-125	0			
1,1-Dichloroethene	20.17	5.0	19.92	0	101	65-135	0			
1,2,4-Trichlorobenzene	5.767	5.0	19.92	0	29	65-130	0			S
1,2-Dibromo-3-chloropropane	13.53	5.0	19.92	0	67.9	40-135	0			
1,2-Dibromoethane	26.2	5.0	19.92	0	132	70-125	0			S
1,2-Dichlorobenzene	10.3	5.0	19.92	0	51.7	75-120	0			S
1,2-Dichloroethane	16.42	5.0	19.92	0	82.4	70-135	0			
1,2-Dichloropropane	17.03	5.0	19.92	0	85.5	70-120	0			
1,3-Dichlorobenzene	10.33	5.0	19.92	0	51.8	70-125	0			S
1,4-Dichlorobenzene	9.95	5.0	19.92	0	50	70-125	0			S
2-Butanone	34.35	10	19.92	36.03	-8.44	30-160	0			S
2-Hexanone	25.74	5.0	19.92	0	129	45-145	0			
4-Methyl-2-pentanone	23.26	5.0	19.92	0	117	45-145	0			
Benzene	17.55	5.0	19.92	0.3189	86.5	75-125	0			
Bromodichloromethane	15.11	5.0	19.92	0	75.8	70-130	0			
Bromoform	11.28	5.0	19.92	0	56.6	55-135	0			
Bromomethane	3.028	10	19.92	0	15.2	30-160	0			JS
Carbon disulfide	25.02	5.0	19.92	4.236	104	45-160	0			
Carbon tetrachloride	18.4	5.0	19.92	0	92.4	65-135	0			
Chlorobenzene	14.38	5.0	19.92	0	72.2	75-125	0			S
Chloroethane	22.45	5.0	19.92	0	113	40-155	0			
Chloroform	17.81	5.0	19.92	0.2713	88	70-125	0			
Chloromethane	11.96	10	19.92	0	60	50-130	0			
cis-1,2-Dichloroethene	15.93	5.0	19.92	0	80	65-125	0			
cis-1,3-Dichloropropene	13.58	5.0	19.92	0	68.2	70-125	0			S
Dibromochloromethane	12.89	5.0	19.92	0	64.7	65-135	0			S
Dichlorodifluoromethane	18.04	10	19.92	0	90.6	35-135	0			
Ethylbenzene	14.84	5.0	19.92	0.1571	73.7	75-125	0			S
Isopropylbenzene	14.51	5.0	19.92	0	72.8	75-130	0			S
m,p-Xylene	29.19	2.5	39.84	0.4094	72.2	80-125	0			S
Methyl tert-butyl ether	16.26	5.0	19.92	0	81.6	75-125	0			
Methylene chloride	20.04	5.0	19.92	0	101	55-140	0			
o-Xylene	14.68	2.5	19.92	0.1333	73	75-125	0			S
Styrene	11.88	5.0	19.92	0	59.6	75-125	0			S
Tetrachloroethene	19.13	5.0	19.92	0	96	65-140	0			
Toluene	17.41	5.0	19.92	0.6616	84.1	70-125	0			
trans-1,2-Dichloroethene	20.62	5.0	19.92	0	104	65-135	0			
trans-1,3-Dichloropropene	14.39	10	19.92	0	72.2	65-125	0			
Trichloroethene	16.85	5.0	19.92	0	84.6	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

Trichlorofluoromethane	17.76	5.0	19.92	0	89.2	25-185	0	
Vinyl chloride	15.11	5.0	19.92	0	75.8	60-125	0	
Xylenes, Total	43.87	5.0	59.76	0.5426	72.5	75-125	0	S
Surr: 1,2-Dichloroethane-d4	*19.45*	0	*19.92*	0	*97.6*	*70-120*	0	
Surr: 4-Bromofluorobenzene	*21.49*	0	*19.92*	0	*108*	*75-120*	0	
Surr: Dibromofluoromethane	*20.13*	0	*19.92*	0	*101*	*85-115*	0	
Surr: Toluene-d8	*21.15*	0	*19.92*	0	*106*	*85-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

MSD Sample ID: **1303626-02A MSD** Units: **µg/Kg** Analysis Date: **3/21/2013 09:07 PM**

Client ID: Run ID: **VMS7_130321A** SeqNo: **2245083** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	15.28	5.0	20	0	76.4	70-135	18.35	18.2	30	
1,1,2,2-Tetrachloroethane	14.36	5.0	20	0	71.8	55-130	14.61	1.73	30	
1,1,2-Trichloroethane	16.36	5.0	20	0	81.8	60-125	16.96	3.61	30	
1,1-Dichloroethane	18.54	5.0	20	0	92.7	75-125	19.61	5.62	30	
1,1-Dichloroethene	19.78	5.0	20	0	98.9	65-135	20.17	1.95	30	
1,2,4-Trichlorobenzene	4.88	5.0	20	0	24.4	65-130	5.767	0	30	JS
1,2-Dibromo-3-chloropropane	13.06	5.0	20	0	65.3	40-135	13.53	3.5	30	
1,2-Dibromoethane	24.29	5.0	20	0	121	70-125	26.2	7.58	30	
1,2-Dichlorobenzene	8.87	5.0	20	0	44.4	75-120	10.3	14.9	30	S
1,2-Dichloroethane	13.66	5.0	20	0	68.3	70-135	16.42	18.4	30	S
1,2-Dichloropropane	17.01	5.0	20	0	85	70-120	17.03	0.127	30	
1,3-Dichlorobenzene	8.99	5.0	20	0	45	70-125	10.33	13.9	30	S
1,4-Dichlorobenzene	8.52	5.0	20	0	42.6	70-125	9.95	15.5	30	S
2-Butanone	33.79	10	20	36.03	-11.2	30-160	34.35	1.65	30	S
2-Hexanone	25.51	5.0	20	0	128	45-145	25.74	0.885	30	
4-Methyl-2-pentanone	22.77	5.0	20	0	114	45-145	23.26	2.11	30	
Benzene	16.55	5.0	20	0.3189	81.2	75-125	17.55	5.86	30	
Bromodichloromethane	13.92	5.0	20	0	69.6	70-130	15.11	8.19	30	S
Bromoform	9.77	5.0	20	0	48.8	55-135	11.28	14.4	30	S
Bromomethane	6.76	10	20	0	33.8	30-160	3.028	0	30	J
Carbon disulfide	23.15	5.0	20	4.236	94.6	45-160	25.02	7.76	30	
Carbon tetrachloride	15.24	5.0	20	0	76.2	65-135	18.4	18.8	30	
Chlorobenzene	13.79	5.0	20	0	69	75-125	14.38	4.2	30	S
Chloroethane	21.76	5.0	20	0	109	40-155	22.45	3.12	30	
Chloroform	15.13	5.0	20	0.2713	74.3	70-125	17.81	16.3	30	
Chloromethane	11.82	10	20	0	59.1	50-130	11.96	1.19	30	
cis-1,2-Dichloroethene	16.12	5.0	20	0	80.6	65-125	15.93	1.21	30	
cis-1,3-Dichloropropene	12.35	5.0	20	0	61.8	70-125	13.58	9.45	30	S
Dibromochloromethane	11.13	5.0	20	0	55.6	65-135	12.89	14.6	30	S
Dichlorodifluoromethane	17	10	20	0	85	35-135	18.04	5.92	30	
Ethylbenzene	14.27	5.0	20	0.1571	70.6	75-125	14.84	3.92	30	S
Isopropylbenzene	13.73	5.0	20	0	68.6	75-130	14.51	5.54	30	S
m,p-Xylene	28.2	2.5	40	0.4094	69.5	80-125	29.19	3.46	30	S
Methyl tert-butyl ether	16.14	5.0	20	0	80.7	75-125	16.26	0.77	30	
Methylene chloride	19.54	5.0	20	0	97.7	55-140	20.04	2.52	30	
o-Xylene	14.34	2.5	20	0.1333	71	75-125	14.68	2.35	30	S
Styrene	10.43	5.0	20	0	52.2	75-125	11.88	13	30	S
Tetrachloroethene	17.58	5.0	20	0	87.9	65-140	19.13	8.46	30	
Toluene	15.98	5.0	20	0.6616	76.6	70-125	17.41	8.57	30	
trans-1,2-Dichloroethene	19.14	5.0	20	0	95.7	65-135	20.62	7.43	30	
trans-1,3-Dichloropropene	12.44	10	20	0	62.2	65-125	14.39	14.6	30	S
Trichloroethene	16.59	5.0	20	0	83	75-125	16.85	1.57	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117689** Instrument ID **VMS7** Method: **SW8260**

Trichlorofluoromethane	16.71	5.0	20	0	83.6	25-185	17.76	6.08	30	
Vinyl chloride	17.61	5.0	20	0	88	60-125	15.11	15.3	30	
Xylenes, Total	42.54	5.0	60	0.5426	70	75-125	43.87	3.09	30	S
Surr: 1,2-Dichloroethane-d4	*18.04*	0	*20*	0	*90.2*	*70-120*	19.45	*7.53*	*30*	
Surr: 4-Bromofluorobenzene	*20.54*	0	*20*	0	*103*	*75-120*	21.49	*4.54*	*30*	
Surr: Dibromofluoromethane	*18.32*	0	*20*	0	*91.6*	*85-115*	20.13	*9.41*	*30*	
Surr: Toluene-d8	*19.99*	0	*20*	0	*100*	*85-120*	21.15	*5.62*	*30*	

The following samples were analyzed in this batch: 1303495-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303495
Project: Municipal Farms-MCI, Kansas City, MO 3/15/13

QC BATCH REPORT

Batch ID: **R117517** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-R117517** Units: **% of sample** Analysis Date: **3/18/2013 02:49 PM**
Client ID: Run ID: **MOIST_130318C** SeqNo: **2239649** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.050								

LCS Sample ID: **LCS-R117517** Units: **% of sample** Analysis Date: **3/18/2013 02:49 PM**
Client ID: Run ID: **MOIST_130318C** SeqNo: **2239645** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1303489-04ADUP** Units: **% of sample** Analysis Date: **3/18/2013 02:49 PM**
Client ID: Run ID: **MOIST_130318C** SeqNo: **2239627** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	32.57	0.050	0	0	0	0-0	32.73	0.49	20	

DUP Sample ID: **1303489-13ADUP** Units: **% of sample** Analysis Date: **3/18/2013 02:49 PM**
Client ID: Run ID: **MOIST_130318C** SeqNo: **2239637** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	25.13	0.050	0	0	0	0-0	28.94	14.1	20	

The following samples were analyzed in this batch:

1303495-01A	1303495-02A	1303495-03A
1303495-04A	1303495-05A	1303495-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

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Chain of Custody Form

Page 1 of 1

COC ID: 69956

ALS Project Manager: | ALS Work Order #: 1303495

Customer Information		Project Information	
Purchase Order		Project Name	Municipal Farms-MCI
Work Order		Project Number	
Company Name	Tetra Tech	Bill To Company	Tetra Tech
Send Report To	Emily Fisher	Invoice Attn	Emily Fisher
Address	415 Oak Street	Address	415 Oak Street
City/State/Zip	Kansas City, MO 64106	City/State/Zip	Kansas City, MO 64106
Phone	(816) 412-1755	Phone	(816) 412-1755
Fax	(816) 410-1748	Fax	(816) 410-1748
e-Mail Address		e-Mail Address	3/16/13

	Parameter/Method Request for Analysis
A	TCL Volatiles with GRO (C6-C10)
B	TCL SVOCs with DRO (C10-C21), ORO (C21-C35)
C	Full List Herbicides
D	TCL Pesticides
E	RCRA 8 Metals-Dissolved
F	RCRA 8 Metals-Total
G	Grain Size ASTM D422-No Hydrometer
H	% Moisture
I	TSS
J	Project Specific MS/MSD on this sample point

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SS-1	3/16/13	0805	Soil		6	X	X	X	X	~~X~~	X		X			
2	SS-2	↓	0821	↓		↓	↓	↓	↓	↓	~~X~~	↓		↓			
3	SS-3		0843				↓	↓	↓	↓	~~X~~						
4	SS-4		0858				X	X			~~X~~						
5	SS-5		0919				X	X	X	X	~~X~~						
6	SS-6	↓	0946	↓		↓	↓	↓	↓	↓	~~X~~	↓		↓			
7	Trip	NA	NA	NA		4	X	X									
8												3/16/13					
9		End of Job															
10																	

Sampler(s) Please Print & Sign: Kaitlyn Barr Kait Barr

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☒ Std 10 WK Days ☐ 5 WK Days ☐ Other ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by: Kait Barr	Date: 3/16/13	Time: 4:00PM	Received by: FEDEX
Relinquished by: FEDEX	Date: 3/16/13	Time: 1000	Received by (Laboratory):
Logged by (Laboratory): KR	Date: 3/16/13	Time: 1025	Checked by (Laboratory):

Notes:

Cooler ID	Cooler Temp.
	3.4 °C

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ TRRP CheckList ☐ TRRP Level IV ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **TETRATECH - MO** Date/Time Received: **16-Mar-13 10:00**

Work Order: **1303495** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 16-Mar-13 (Date) Reviewed by: Ann Preston (eSignature) 16-Mar-13 (Date)

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.4 C		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	3/16/2013 10:52:42 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Sampling dates changed to 3/15/13 from 3/16/13. Samples were received on 3/15/13.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Standard Terms & Conditions

Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated herein.

...ion period, an additional charge will apply for the preparation and ...erts.

...e of its name in connection with any unauthorized ...or written consent.

...onal charges may be necessary for customized ...ntly from the ALS standard format. Additional ...QA/QC report formats, such as data packages or ...e additional time for preparation. Please ask for a ...ts or copies thereof will be sent to anyone other ...formally requests us to do so in writing. Should a ...ies of data packages to client or third party, an ...over administrative costs.)

...sed portions of samples found or suspected to be ...federal guidelines may be returned to the client ...ytical work. These include sample known or ...materials as defined by state or federal regulatory ...g the sample may be invoiced to the client. The ...ain the property of the client at all times.

...ciated with compliance to any subpoena or other ...for testimony in a court of law, or for any other ...med by ALS, in connection with work performed ...the client. Such costs shall include, but are not ...rsons involved in responding to subpoenas, travel ...attorney's preparation of testifier and advice of ...esponse to subpoenas, and all other expenses ...ed with said litigation.

... In the event of any legal proceeding, neither ...ial by jury, and both parties waive any right they ...or otherwise to a right to a trial by jury.

... and Insurance ... ALS agrees to indemnify, ...its officers, directors, employees, agents, and ...all losses, expenses, demands, and claims made ...directors, employees, agents, and representatives ...s, death, or property damage to the extent caused ...misconduct of ALS, its employees, agents, or ...with the performance of services under this ...such losses, expenses demands, or claims occur ...illful acts or omissions of the client, its officers, ...d representatives; however, such indemnification ...gate, be limited to an amount equal to the lesser ...client as the direct result thereof, or (b) the total ...LS for the work herein covered. ALS will, if ...sh certificates of insurance from its carrier(s) ...e coverage.

...Liability ... In accepting analytical work, we ...results for the sample as submitted. **THE ...WARRANTY IS EXCLUSIVE AND IS ...R ALL OTHER WARRANTIES, ...IED. WE DISCLAIM ANY OTHER ...SSED OR IMPLIED, INCLUDING A ...S FOR PARTICULAR PURPOSE AND ...CHANTABILITY. IN NO EVENT ...BLE FOR INDIRECT, SPECIAL, ...INCENTAL DAMAGES INCLUDING ..., DAMAGES FOR LOSS OF PROFIT ...RDLESS OF (A) THE NEGLIGENCE ...CONCURRENT) OF ALS AND (B) ...S BEEN INFORMED FO THE ...CH DAMAGES.** We accept no legal ...for which the client uses the test results. No ...r work shall be accepted by ALS which includes ...n the above described Standard Terms and ...bjects to any conflicting terms contained in any ...client.

...ative Action Notice ... ALS is an equal opportunity affirmative action employer and complies with all the regulations of executive order 11246 and the regulations promulgated thereunder.

copies of analytical reports for a period of five years, after which the reports may be destroyed. If client requests additional copies of the analytical reports during

17-Apr-2013

Emily Fisher
Tetra Tech
415 Oak Street
Kansas City, MO 64106

Re: **Municipal Farms-MCI 3/22/13** Work Order: **1303834**

Dear Emily,

ALS Environmental received 14 samples on 26-Mar-2013 09:30 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report. The total number of pages in this revision is 154.

If you have any questions regarding these test results, please feel free to contact me.

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: MN 532786

ALS Group USA, Corp

Date: 17-Apr-13

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Work Order: **1303834**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1303834-01	SB-1 (6-8')	Soil		3/22/2013 08:45	3/26/2013 09:30	☐
1303834-02	SB-1 (10-12')	Soil		3/22/2013 08:35	3/26/2013 09:30	☐
1303834-03	SB-2 (5-7')	Soil		3/22/2013 09:35	3/26/2013 09:30	☐
1303834-04	SB-2 (7-9')	Soil		3/22/2013 09:45	3/26/2013 09:30	☐
1303834-05	SB-3 (7-9')	Soil		3/22/2013 10:15	3/26/2013 09:30	☐
1303834-06	SB-4 (6-8')	Soil		3/22/2013 10:50	3/26/2013 09:30	☐
1303834-07	SB-4 (8-10')	Soil		3/22/2013 11:00	3/26/2013 09:30	☐
1303834-08	SB-5 (3-5')	Soil		3/22/2013 11:40	3/26/2013 09:30	☐
1303834-09	SB-6 (6-8')	Soil		3/22/2013 12:15	3/26/2013 09:30	☐
1303834-10	SB-6 (11-13')	Soil		3/22/2013 12:20	3/26/2013 09:30	☐
1303834-11	Field Blank	Water		3/22/2013 17:30	3/26/2013 09:30	☐
1303834-12	Rinsate Blank	Water		3/22/2013 18:00	3/26/2013 09:30	☐
1303834-13	Trip Blank - Soil	Soil		3/22/2013	3/26/2013 09:30	☐
1303834-14	Trip Blank - Water	Water		3/22/2013	3/26/2013 09:30	☐

ALS Group USA, Corp

Date: 17-Apr-13

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Work Order: 1303834

Case Narrative

This revised report includes the hydrometer soil classifications for the Grain Size.

Batches 47224 and 47263 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 47241 LCS recovery for Carbazole was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for Carbazole. Sample SB-6 (6-8) MS/MSD recoveries for Carbazole were above control limits. The corresponding result in the parent sample was non-detect. No qualification is required for Carbazole. The MSD recovery for Hexachlorocyclopentadiene was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for Hexachlorocyclopentadiene.

Batch 47245 sample Rinsate Blank MS/MSD recoveries for Dalapon were below the control limit. The corresponding reporting limit in the parent sample may be biased low for Dalapon.

Batches R117960 and R118006A LCS recovery for 4-Methyl-2-Pentanone was outside of the upper control limit but within the Sporadic Marginal Exceedence limit for an analyte that is not a project-specific analyte of concern. No qualification is necessary for 4-Methyl-2-Pentanone. The MS/MSD data for Volatiles is not related to this project's samples. No data requires qualification.

All Volatiles analyses run with the TSP preservative had one low surrogate recovery. This low surrogate recovery is due to the preservative, not the matrix. No data requires qualification.

Batch R118032 LCS recoveries for 4-Methyl-2-Pentanone and MTBE were outside of the upper control limit All sample results in the batch were non-detect. No qualification is necessary for 4-Methyl-2-Pentanone or MTBE. Sample SB-1 (6-8') RPD between the MS and MSD for Bromomethane and the MSD recoveries for several compounds were outside of the control limits. Both the MS recoveries and RPDs for the several compounds, and the MS/MSDs for Bromomethane met quality control criteria. No data requires qualification.

ALS Group USA, Corp

Date: 17-Apr-13

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
WorkOrder: **1303834**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
TDL	Target Detection Limit
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
% Passing	Percent Passing
µg/Kg	Micrograms per Kilogram
µg/Kg-dry	Micrograms per Kilogram Dry Weight
µg/L	Micrograms per Liter
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (6-8')
Collection Date: 3/22/2013 08:45 AM

Work Order: 1303834
Lab ID: 1303834-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/27/13		Analyst: **LR**
Mercury	**0.039**		**0.00091**	**0.018**	**mg/Kg-dry**	1	3/28/2013 17:07
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**6.7**		**0.063**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:09
Barium	**150**		**0.013**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:09
Cadmium	**0.47**		**0.0018**	**0.18**	**mg/Kg-dry**	1	3/29/2013 17:09
Chromium	**24**		**0.076**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:09
Lead	**19**		**0.0018**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:09
Selenium	**0.94**		**0.059**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:09
Silver	**0.045**	J	**0.0018**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:09
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.5	3.4	mg/Kg-dry	1	4/1/2013 10:06
ORO (C21-C35)	**17**		**1.6**	**3.4**	**mg/Kg-dry**	1	4/1/2013 10:06
Surr: 4-Terphenyl-d14	*105*			*25-137*	*%REC*	1	4/1/2013 10:06
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		5.8	380	µg/Kg-dry	1	4/1/2013 10:06
2,4,5-Trichlorophenol	U		9.3	190	µg/Kg-dry	1	4/1/2013 10:06
2,4,6-Trichlorophenol	U		9.3	190	µg/Kg-dry	1	4/1/2013 10:06
2,4-Dichlorophenol	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
2,4-Dimethylphenol	U		47	380	µg/Kg-dry	1	4/1/2013 10:06
2,4-Dinitrophenol	U		49	770	µg/Kg-dry	1	4/1/2013 10:06
2,4-Dinitrotoluene	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
2,6-Dinitrotoluene	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
2-Chloronaphthalene	U		11	93	µg/Kg-dry	1	4/1/2013 10:06
2-Chlorophenol	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
2-Methylnaphthalene	U		11	93	µg/Kg-dry	1	4/1/2013 10:06
2-Methylphenol	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
2-Nitroaniline	U		8.9	770	µg/Kg-dry	1	4/1/2013 10:06
2-Nitrophenol	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
3,3´-Dichlorobenzidine	U		11	770	µg/Kg-dry	1	4/1/2013 10:06
3-Nitroaniline	U		94	770	µg/Kg-dry	1	4/1/2013 10:06
4,6-Dinitro-2-methylphenol	U		56	380	µg/Kg-dry	1	4/1/2013 10:06
4-Bromophenyl phenyl ether	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
4-Chloro-3-methylphenol	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
4-Chloroaniline	U		15	770	µg/Kg-dry	1	4/1/2013 10:06
4-Chlorophenyl phenyl ether	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
4-Methylphenol	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
4-Nitroaniline	U		17	770	µg/Kg-dry	1	4/1/2013 10:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (6-8')
Collection Date: 3/22/2013 08:45 AM

Work Order: 1303834
Lab ID: 1303834-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		47	770	µg/Kg-dry	1	4/1/2013 10:06
Acenaphthene	U		11	35	µg/Kg-dry	1	4/1/2013 10:06
Acenaphthylene	U		11	35	µg/Kg-dry	1	4/1/2013 10:06
Acetophenone	U		5.8	380	µg/Kg-dry	1	4/1/2013 10:06
Anthracene	U		12	35	µg/Kg-dry	1	4/1/2013 10:06
Atrazine	U		12	380	µg/Kg-dry	1	4/1/2013 10:06
Benzaldehyde	U		15	380	µg/Kg-dry	1	4/1/2013 10:06
Benzo(a)anthracene	U		14	35	µg/Kg-dry	1	4/1/2013 10:06
Benzo(a)pyrene	U		18	35	µg/Kg-dry	1	4/1/2013 10:06
Benzo(b)fluoranthene	U		19	35	µg/Kg-dry	1	4/1/2013 10:06
Benzo(g,h,i)perylene	U		27	35	µg/Kg-dry	1	4/1/2013 10:06
Benzo(k)fluoranthene	U		16	35	µg/Kg-dry	1	4/1/2013 10:06
Bis(2-chloroethoxy)methane	U		9.5	190	µg/Kg-dry	1	4/1/2013 10:06
Bis(2-chloroethyl)ether	U		9.7	190	µg/Kg-dry	1	4/1/2013 10:06
Bis(2-chloroisopropyl)ether	U		9.1	190	µg/Kg-dry	1	4/1/2013 10:06
Bis(2-ethylhexyl)phthalate	U		12	380	µg/Kg-dry	1	4/1/2013 10:06
Butyl benzyl phthalate	U		16	190	µg/Kg-dry	1	4/1/2013 10:06
Caprolactam	U		17	380	µg/Kg-dry	1	4/1/2013 10:06
Carbazole	U		13	190	µg/Kg-dry	1	4/1/2013 10:06
Chrysene	U		13	35	µg/Kg-dry	1	4/1/2013 10:06
Dibenzo(a,h)anthracene	U		20	35	µg/Kg-dry	1	4/1/2013 10:06
Dibenzofuran	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
Diethyl phthalate	U		9.7	380	µg/Kg-dry	1	4/1/2013 10:06
Dimethyl phthalate	U		9.7	380	µg/Kg-dry	1	4/1/2013 10:06
Di-n-butyl phthalate	U		12	380	µg/Kg-dry	1	4/1/2013 10:06
Di-n-octyl phthalate	U		14	190	µg/Kg-dry	1	4/1/2013 10:06
Fluoranthene	U		14	35	µg/Kg-dry	1	4/1/2013 10:06
Fluorene	U		10	35	µg/Kg-dry	1	4/1/2013 10:06
Hexachlorobenzene	U		11	190	µg/Kg-dry	1	4/1/2013 10:06
Hexachlorobutadiene	U		9.8	190	µg/Kg-dry	1	4/1/2013 10:06
Hexachlorocyclopentadiene	U		41	380	µg/Kg-dry	1	4/1/2013 10:06
Hexachloroethane	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
Indeno(1,2,3-cd)pyrene	U		22	35	µg/Kg-dry	1	4/1/2013 10:06
Isophorone	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
Naphthalene	U		9.9	35	µg/Kg-dry	1	4/1/2013 10:06
Nitrobenzene	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
N-Nitrosodi-n-propylamine	U		10	190	µg/Kg-dry	1	4/1/2013 10:06
N-Nitrosodiphenylamine	U		69	190	µg/Kg-dry	1	4/1/2013 10:06
Pentachlorophenol	U		17	380	µg/Kg-dry	1	4/1/2013 10:06
Phenanthrene	U		35	35	µg/Kg-dry	1	4/1/2013 10:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (6-8')
Collection Date: 3/22/2013 08:45 AM

Work Order: 1303834
Lab ID: 1303834-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		9.8	190	µg/Kg-dry	1	4/1/2013 10:06
Pyrene	U		15	35	µg/Kg-dry	1	4/1/2013 10:06
Surr: 2,4,6-Tribromophenol	*73.5*			*34-140*	*%REC*	1	4/1/2013 10:06
Surr: 2-Fluorobiphenyl	*78.9*			*12-100*	*%REC*	1	4/1/2013 10:06
Surr: 2-Fluorophenol	*86.5*			*33-117*	*%REC*	1	4/1/2013 10:06
Surr: 4-Terphenyl-d14	*105*			*25-137*	*%REC*	1	4/1/2013 10:06
Surr: Nitrobenzene-d5	*81.8*			*37-107*	*%REC*	1	4/1/2013 10:06
Surr: Phenol-d6	*89.1*			*40-106*	*%REC*	1	4/1/2013 10:06
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,500		µg/Kg-dry	1	3/28/2013 04:19
Surr: Toluene-d8	*89.4*			*70-130*	*%REC*	1	3/28/2013 04:19
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.25	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,1,2,2-Tetrachloroethane	U		0.16	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,1,2-Trichloroethane	U		0.22	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,1,2-Trichlorotrifluoroethane	U		0.31	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,1-Dichloroethane	U		0.29	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,1-Dichloroethene	U		0.26	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,2,4-Trichlorobenzene	U		0.23	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,2-Dibromo-3-chloropropane	U		0.22	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,2-Dibromoethane	U		0.23	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,2-Dichlorobenzene	U		0.23	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,2-Dichloroethane	U		0.31	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,2-Dichloropropane	U		0.29	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,3-Dichlorobenzene	U		0.21	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
1,4-Dichlorobenzene	U		0.24	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
2-Butanone	**1.3**	J	**0.87**	**11**	**µg/Kg-dry**	0.951	3/28/2013 15:37
2-Hexanone	U		0.34	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
4-Methyl-2-pentanone	U		0.22	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Acetone	**16**		**1.1**	**11**	**µg/Kg-dry**	0.951	3/28/2013 15:37
Benzene	U		0.28	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Bromodichloromethane	U		0.23	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Bromoform	U		0.17	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Bromomethane	U		0.40	11	µg/Kg-dry	0.951	3/28/2013 15:37
Carbon disulfide	**0.67**	J	**0.42**	**5.6**	**µg/Kg-dry**	0.951	3/28/2013 15:37
Carbon tetrachloride	U		0.23	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Chlorobenzene	U		0.25	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Chloroethane	U		0.63	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Chloroform	**0.58**	J	**0.30**	**5.6**	**µg/Kg-dry**	0.951	3/28/2013 15:37

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (6-8')
Collection Date: 3/22/2013 08:45 AM

Work Order: 1303834
Lab ID: 1303834-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.35	11	µg/Kg-dry	0.951	3/28/2013 15:37
cis-1,2-Dichloroethene	U		0.33	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
cis-1,3-Dichloropropene	U		0.20	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Cyclohexane	U		0.36	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Dibromochloromethane	U		0.19	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Dichlorodifluoromethane	U		0.38	11	µg/Kg-dry	0.951	3/28/2013 15:37
Ethylbenzene	U		0.22	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Isopropylbenzene	U		0.22	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
m,p-Xylene	U		0.43	2.8	µg/Kg-dry	0.951	3/28/2013 15:37
Methyl acetate	U		0.91	11	µg/Kg-dry	0.951	3/28/2013 15:37
Methyl tert-butyl ether	U		0.29	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Methylcyclohexane	U		0.31	11	µg/Kg-dry	0.951	3/28/2013 15:37
Methylene chloride	**0.94**	J	**0.32**	**5.6**	**µg/Kg-dry**	0.951	3/28/2013 15:37
o-Xylene	U		0.22	2.8	µg/Kg-dry	0.951	3/28/2013 15:37
Styrene	U		0.21	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Tetrachloroethene	U		0.34	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Toluene	U		0.27	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
trans-1,2-Dichloroethene	U		0.33	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
trans-1,3-Dichloropropene	U		0.21	11	µg/Kg-dry	0.951	3/28/2013 15:37
Trichloroethene	U		0.26	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Trichlorofluoromethane	U		1.3	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Vinyl chloride	U		0.34	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Xylenes, Total	U		0.65	5.6	µg/Kg-dry	0.951	3/28/2013 15:37
Surr: 1,2-Dichloroethane-d4	*100*			*70-120*	*%REC*	0.951	3/28/2013 15:37
Surr: 4-Bromofluorobenzene	*104*			*75-120*	*%REC*	0.951	3/28/2013 15:37
Surr: Dibromofluoromethane	*15.4*	S		*85-115*	*%REC*	0.951	3/28/2013 15:37
Surr: Toluene-d8	*98.2*			*85-120*	*%REC*	0.951	3/28/2013 15:37
MOISTURE		Method:	**A2540 G**				Analyst: **DC**
Moisture	**16**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (10-12')
Collection Date: 3/22/2013 08:35 AM

Work Order: 1303834
Lab ID: 1303834-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/27/13		Analyst: **LR**
Mercury	**0.030**		**0.00091**	**0.018**	**mg/Kg-dry**	1	3/28/2013 17:09
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**3.7**		**0.063**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:15
Barium	**380**		**0.13**	**4.6**	**mg/Kg-dry**	10	4/1/2013 18:59
Cadmium	**0.32**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/29/2013 17:15
Chromium	**25**		**0.076**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:15
Lead	**16**		**0.0019**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:15
Selenium	**1.0**		**0.059**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:15
Silver	**0.045**	J	**0.0019**	**0.46**	**mg/Kg-dry**	1	3/29/2013 17:15
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.6	3.7	mg/Kg-dry	1	4/1/2013 10:36
ORO (C21-C35)	**10**		**1.8**	**3.7**	**mg/Kg-dry**	1	4/1/2013 10:36
Surr: 4-Terphenyl-d14	*104*			*25-137*	*%REC*	1	4/1/2013 10:36
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		6.4	420	µg/Kg-dry	1	4/1/2013 10:36
2,4,5-Trichlorophenol	U		10	210	µg/Kg-dry	1	4/1/2013 10:36
2,4,6-Trichlorophenol	U		10	210	µg/Kg-dry	1	4/1/2013 10:36
2,4-Dichlorophenol	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
2,4-Dimethylphenol	U		52	420	µg/Kg-dry	1	4/1/2013 10:36
2,4-Dinitrophenol	U		54	850	µg/Kg-dry	1	4/1/2013 10:36
2,4-Dinitrotoluene	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
2,6-Dinitrotoluene	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
2-Chloronaphthalene	U		12	100	µg/Kg-dry	1	4/1/2013 10:36
2-Chlorophenol	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
2-Methylnaphthalene	U		13	100	µg/Kg-dry	1	4/1/2013 10:36
2-Methylphenol	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
2-Nitroaniline	U		9.8	850	µg/Kg-dry	1	4/1/2013 10:36
2-Nitrophenol	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
3,3´-Dichlorobenzidine	U		12	850	µg/Kg-dry	1	4/1/2013 10:36
3-Nitroaniline	U		100	850	µg/Kg-dry	1	4/1/2013 10:36
4,6-Dinitro-2-methylphenol	U		62	420	µg/Kg-dry	1	4/1/2013 10:36
4-Bromophenyl phenyl ether	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
4-Chloro-3-methylphenol	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
4-Chloroaniline	U		16	850	µg/Kg-dry	1	4/1/2013 10:36
4-Chlorophenyl phenyl ether	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
4-Methylphenol	U		13	210	µg/Kg-dry	1	4/1/2013 10:36
4-Nitroaniline	U		19	850	µg/Kg-dry	1	4/1/2013 10:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (10-12')
Collection Date: 3/22/2013 08:35 AM

Work Order: 1303834
Lab ID: 1303834-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		52	850	µg/Kg-dry	1	4/1/2013 10:36
Acenaphthene	U		12	38	µg/Kg-dry	1	4/1/2013 10:36
Acenaphthylene	U		12	38	µg/Kg-dry	1	4/1/2013 10:36
Acetophenone	U		6.4	420	µg/Kg-dry	1	4/1/2013 10:36
Anthracene	U		13	38	µg/Kg-dry	1	4/1/2013 10:36
Atrazine	U		13	420	µg/Kg-dry	1	4/1/2013 10:36
Benzaldehyde	U		16	420	µg/Kg-dry	1	4/1/2013 10:36
Benzo(a)anthracene	U		16	38	µg/Kg-dry	1	4/1/2013 10:36
Benzo(a)pyrene	U		20	38	µg/Kg-dry	1	4/1/2013 10:36
Benzo(b)fluoranthene	U		21	38	µg/Kg-dry	1	4/1/2013 10:36
Benzo(g,h,i)perylene	U		30	38	µg/Kg-dry	1	4/1/2013 10:36
Benzo(k)fluoranthene	U		17	38	µg/Kg-dry	1	4/1/2013 10:36
Bis(2-chloroethoxy)methane	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
Bis(2-chloroethyl)ether	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
Bis(2-chloroisopropyl)ether	U		10	210	µg/Kg-dry	1	4/1/2013 10:36
Bis(2-ethylhexyl)phthalate	U		13	420	µg/Kg-dry	1	4/1/2013 10:36
Butyl benzyl phthalate	U		18	210	µg/Kg-dry	1	4/1/2013 10:36
Caprolactam	U		19	420	µg/Kg-dry	1	4/1/2013 10:36
Carbazole	U		15	210	µg/Kg-dry	1	4/1/2013 10:36
Chrysene	U		15	38	µg/Kg-dry	1	4/1/2013 10:36
Dibenzo(a,h)anthracene	U		22	38	µg/Kg-dry	1	4/1/2013 10:36
Dibenzofuran	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
Diethyl phthalate	U		11	420	µg/Kg-dry	1	4/1/2013 10:36
Dimethyl phthalate	U		11	420	µg/Kg-dry	1	4/1/2013 10:36
Di-n-butyl phthalate	U		13	420	µg/Kg-dry	1	4/1/2013 10:36
Di-n-octyl phthalate	U		16	210	µg/Kg-dry	1	4/1/2013 10:36
Fluoranthene	U		15	38	µg/Kg-dry	1	4/1/2013 10:36
Fluorene	U		11	38	µg/Kg-dry	1	4/1/2013 10:36
Hexachlorobenzene	U		12	210	µg/Kg-dry	1	4/1/2013 10:36
Hexachlorobutadiene	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
Hexachlorocyclopentadiene	U		45	420	µg/Kg-dry	1	4/1/2013 10:36
Hexachloroethane	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
Indeno(1,2,3-cd)pyrene	U		24	38	µg/Kg-dry	1	4/1/2013 10:36
Isophorone	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
Naphthalene	U		11	38	µg/Kg-dry	1	4/1/2013 10:36
Nitrobenzene	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
N-Nitrosodi-n-propylamine	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
N-Nitrosodiphenylamine	U		76	210	µg/Kg-dry	1	4/1/2013 10:36
Pentachlorophenol	U		19	420	µg/Kg-dry	1	4/1/2013 10:36
Phenanthrene	U		38	38	µg/Kg-dry	1	4/1/2013 10:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (10-12')
Collection Date: 3/22/2013 08:35 AM

Work Order: 1303834
Lab ID: 1303834-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		11	210	µg/Kg-dry	1	4/1/2013 10:36
Pyrene	U		16	38	µg/Kg-dry	1	4/1/2013 10:36
Surr: 2,4,6-Tribromophenol	*69.0*			*34-140*	*%REC*	1	4/1/2013 10:36
Surr: 2-Fluorobiphenyl	*78.0*			*12-100*	*%REC*	1	4/1/2013 10:36
Surr: 2-Fluorophenol	*84.9*			*33-117*	*%REC*	1	4/1/2013 10:36
Surr: 4-Terphenyl-d14	*104*			*25-137*	*%REC*	1	4/1/2013 10:36
Surr: Nitrobenzene-d5	*83.0*			*37-107*	*%REC*	1	4/1/2013 10:36
Surr: Phenol-d6	*86.8*			*40-106*	*%REC*	1	4/1/2013 10:36
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/28/2013 04:43
Surr: Toluene-d8	*88.4*			*70-130*	*%REC*	1	3/28/2013 04:43
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.23	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,1,2,2-Tetrachloroethane	U		0.15	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,1,2-Trichloroethane	U		0.20	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,1,2-Trichlorotrifluoroethane	U		0.30	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,1-Dichloroethane	U		0.27	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,1-Dichloroethene	U		0.24	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,2,4-Trichlorobenzene	U		0.22	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,2-Dibromo-3-chloropropane	U		0.21	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,2-Dibromoethane	U		0.22	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,2-Dichlorobenzene	U		0.22	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,2-Dichloroethane	U		0.29	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,2-Dichloropropane	U		0.28	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,3-Dichlorobenzene	U		0.20	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
1,4-Dichlorobenzene	U		0.22	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
2-Butanone	U		0.82	11	µg/Kg-dry	0.821	3/28/2013 16:05
2-Hexanone	U		0.32	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
4-Methyl-2-pentanone	U		0.21	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Acetone	**3.3**	J	**1.0**	**11**	**µg/Kg-dry**	0.821	3/28/2013 16:05
Benzene	U		0.26	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Bromodichloromethane	U		0.22	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Bromoform	U		0.16	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Bromomethane	U		0.37	11	µg/Kg-dry	0.821	3/28/2013 16:05
Carbon disulfide	**0.51**	J	**0.39**	**5.3**	**µg/Kg-dry**	0.821	3/28/2013 16:05
Carbon tetrachloride	U		0.22	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Chlorobenzene	U		0.24	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Chloroethane	U		0.60	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Chloroform	**0.52**	J	**0.28**	**5.3**	**µg/Kg-dry**	0.821	3/28/2013 16:05

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-1 (10-12')
Collection Date: 3/22/2013 08:35 AM

Work Order: 1303834
Lab ID: 1303834-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.33	11	µg/Kg-dry	0.821	3/28/2013 16:05
cis-1,2-Dichloroethene	U		0.31	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
cis-1,3-Dichloropropene	U		0.19	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Cyclohexane	U		0.34	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Dibromochloromethane	U		0.18	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Dichlorodifluoromethane	U		0.35	11	µg/Kg-dry	0.821	3/28/2013 16:05
Ethylbenzene	U		0.21	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Isopropylbenzene	U		0.21	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
m,p-Xylene	U		0.40	2.7	µg/Kg-dry	0.821	3/28/2013 16:05
Methyl acetate	U		0.86	11	µg/Kg-dry	0.821	3/28/2013 16:05
Methyl tert-butyl ether	U		0.27	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Methylcyclohexane	U		0.30	11	µg/Kg-dry	0.821	3/28/2013 16:05
Methylene chloride	**0.80**	J	**0.30**	**5.3**	**µg/Kg-dry**	0.821	3/28/2013 16:05
o-Xylene	U		0.21	2.7	µg/Kg-dry	0.821	3/28/2013 16:05
Styrene	U		0.19	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Tetrachloroethene	U		0.32	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Toluene	U		0.25	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
trans-1,2-Dichloroethene	U		0.31	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
trans-1,3-Dichloropropene	U		0.20	11	µg/Kg-dry	0.821	3/28/2013 16:05
Trichloroethene	U		0.25	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Trichlorofluoromethane	U		1.2	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Vinyl chloride	U		0.32	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Xylenes, Total	U		0.61	5.3	µg/Kg-dry	0.821	3/28/2013 16:05
Surr: 1,2-Dichloroethane-d4	*104*			*70-120*	*%REC*	0.821	3/28/2013 16:05
Surr: 4-Bromofluorobenzene	*113*			*75-120*	*%REC*	0.821	3/28/2013 16:05
Surr: Dibromofluoromethane	*19.0*	S		*85-115*	*%REC*	0.821	3/28/2013 16:05
Surr: Toluene-d8	*99.4*			*85-120*	*%REC*	0.821	3/28/2013 16:05
MOISTURE		Method:	**A2540 G**				Analyst: **DC**
Moisture	**23**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (5-7')
Collection Date: 3/22/2013 09:35 AM

Work Order: 1303834
Lab ID: 1303834-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/27/13		Analyst: **LR**
Mercury	**0.049**		**0.00090**	**0.018**	**mg/Kg-dry**	1	3/28/2013 17:11
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**7.8**		**0.066**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:21
Barium	**250**		**0.14**	**4.8**	**mg/Kg-dry**	10	4/1/2013 19:05
Cadmium	**0.29**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/29/2013 17:21
Chromium	**16**		**0.079**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:21
Lead	**16**		**0.0019**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:21
Selenium	**0.97**		**0.062**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:21
Silver	**0.030**	J	**0.0019**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:21
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.5	3.6	mg/Kg-dry	1	4/1/2013 11:06
ORO (C21-C35)	**18**		**1.7**	**3.6**	**mg/Kg-dry**	1	4/1/2013 11:06
Surr: 4-Terphenyl-d14	*94.5*			*25-137*	*%REC*	1	4/1/2013 11:06
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		6.1	400	µg/Kg-dry	1	4/1/2013 11:06
2,4,5-Trichlorophenol	U		9.8	200	µg/Kg-dry	1	4/1/2013 11:06
2,4,6-Trichlorophenol	U		9.8	200	µg/Kg-dry	1	4/1/2013 11:06
2,4-Dichlorophenol	U		12	200	µg/Kg-dry	1	4/1/2013 11:06
2,4-Dimethylphenol	U		50	400	µg/Kg-dry	1	4/1/2013 11:06
2,4-Dinitrophenol	U		52	810	µg/Kg-dry	1	4/1/2013 11:06
2,4-Dinitrotoluene	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
2,6-Dinitrotoluene	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
2-Chloronaphthalene	U		11	98	µg/Kg-dry	1	4/1/2013 11:06
2-Chlorophenol	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
2-Methylnaphthalene	U		12	98	µg/Kg-dry	1	4/1/2013 11:06
2-Methylphenol	U		12	200	µg/Kg-dry	1	4/1/2013 11:06
2-Nitroaniline	U		9.3	810	µg/Kg-dry	1	4/1/2013 11:06
2-Nitrophenol	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
3,3´-Dichlorobenzidine	U		11	810	µg/Kg-dry	1	4/1/2013 11:06
3-Nitroaniline	U		100	810	µg/Kg-dry	1	4/1/2013 11:06
4,6-Dinitro-2-methylphenol	U		59	400	µg/Kg-dry	1	4/1/2013 11:06
4-Bromophenyl phenyl ether	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
4-Chloro-3-methylphenol	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
4-Chloroaniline	U		16	810	µg/Kg-dry	1	4/1/2013 11:06
4-Chlorophenyl phenyl ether	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
4-Methylphenol	U		12	200	µg/Kg-dry	1	4/1/2013 11:06
4-Nitroaniline	U		18	810	µg/Kg-dry	1	4/1/2013 11:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (5-7')
Collection Date: 3/22/2013 09:35 AM

Work Order: 1303834
Lab ID: 1303834-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		50	810	µg/Kg-dry	1	4/1/2013 11:06
Acenaphthene	U		11	37	µg/Kg-dry	1	4/1/2013 11:06
Acenaphthylene	U		12	37	µg/Kg-dry	1	4/1/2013 11:06
Acetophenone	U		6.1	400	µg/Kg-dry	1	4/1/2013 11:06
Anthracene	U		12	37	µg/Kg-dry	1	4/1/2013 11:06
Atrazine	U		12	400	µg/Kg-dry	1	4/1/2013 11:06
Benzaldehyde	U		16	400	µg/Kg-dry	1	4/1/2013 11:06
Benzo(a)anthracene	U		15	37	µg/Kg-dry	1	4/1/2013 11:06
Benzo(a)pyrene	U		19	37	µg/Kg-dry	1	4/1/2013 11:06
Benzo(b)fluoranthene	U		20	37	µg/Kg-dry	1	4/1/2013 11:06
Benzo(g,h,i)perylene	U		29	37	µg/Kg-dry	1	4/1/2013 11:06
Benzo(k)fluoranthene	U		17	37	µg/Kg-dry	1	4/1/2013 11:06
Bis(2-chloroethoxy)methane	U		10	200	µg/Kg-dry	1	4/1/2013 11:06
Bis(2-chloroethyl)ether	U		10	200	µg/Kg-dry	1	4/1/2013 11:06
Bis(2-chloroisopropyl)ether	U		9.5	200	µg/Kg-dry	1	4/1/2013 11:06
Bis(2-ethylhexyl)phthalate	U		12	400	µg/Kg-dry	1	4/1/2013 11:06
Butyl benzyl phthalate	U		17	200	µg/Kg-dry	1	4/1/2013 11:06
Caprolactam	U		18	400	µg/Kg-dry	1	4/1/2013 11:06
Carbazole	U		14	200	µg/Kg-dry	1	4/1/2013 11:06
Chrysene	U		14	37	µg/Kg-dry	1	4/1/2013 11:06
Dibenzo(a,h)anthracene	U		21	37	µg/Kg-dry	1	4/1/2013 11:06
Dibenzofuran	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
Diethyl phthalate	U		10	400	µg/Kg-dry	1	4/1/2013 11:06
Dimethyl phthalate	U		10	400	µg/Kg-dry	1	4/1/2013 11:06
Di-n-butyl phthalate	U		12	400	µg/Kg-dry	1	4/1/2013 11:06
Di-n-octyl phthalate	U		15	200	µg/Kg-dry	1	4/1/2013 11:06
Fluoranthene	U		15	37	µg/Kg-dry	1	4/1/2013 11:06
Fluorene	U		11	37	µg/Kg-dry	1	4/1/2013 11:06
Hexachlorobenzene	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
Hexachlorobutadiene	U		10	200	µg/Kg-dry	1	4/1/2013 11:06
Hexachlorocyclopentadiene	U		43	400	µg/Kg-dry	1	4/1/2013 11:06
Hexachloroethane	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
Indeno(1,2,3-cd)pyrene	U		23	37	µg/Kg-dry	1	4/1/2013 11:06
Isophorone	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
Naphthalene	U		10	37	µg/Kg-dry	1	4/1/2013 11:06
Nitrobenzene	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
N-Nitrosodi-n-propylamine	U		11	200	µg/Kg-dry	1	4/1/2013 11:06
N-Nitrosodiphenylamine	U		73	200	µg/Kg-dry	1	4/1/2013 11:06
Pentachlorophenol	U		18	400	µg/Kg-dry	1	4/1/2013 11:06
Phenanthrene	U		37	37	µg/Kg-dry	1	4/1/2013 11:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (5-7')
Collection Date: 3/22/2013 09:35 AM

Work Order: 1303834
Lab ID: 1303834-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		10	200	µg/Kg-dry	1	4/1/2013 11:06
Pyrene	U		15	37	µg/Kg-dry	1	4/1/2013 11:06
Surr: 2,4,6-Tribromophenol	*66.5*			*34-140*	*%REC*	1	4/1/2013 11:06
Surr: 2-Fluorobiphenyl	*70.3*			*12-100*	*%REC*	1	4/1/2013 11:06
Surr: 2-Fluorophenol	*76.9*			*33-117*	*%REC*	1	4/1/2013 11:06
Surr: 4-Terphenyl-d14	*94.5*			*25-137*	*%REC*	1	4/1/2013 11:06
Surr: Nitrobenzene-d5	*73.9*			*37-107*	*%REC*	1	4/1/2013 11:06
Surr: Phenol-d6	*78.6*			*40-106*	*%REC*	1	4/1/2013 11:06
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/28/2013 05:06
Surr: Toluene-d8	*88.4*			*70-130*	*%REC*	1	3/28/2013 05:06
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.27	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,1,2,2-Tetrachloroethane	U		0.17	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,1,2-Trichloroethane	U		0.23	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,1,2-Trichlorotrifluoroethane	U		0.34	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,1-Dichloroethane	U		0.31	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,1-Dichloroethene	U		0.27	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,2,4-Trichlorobenzene	U		0.25	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,2-Dibromo-3-chloropropane	U		0.24	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,2-Dibromoethane	U		0.25	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,2-Dichlorobenzene	U		0.25	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,2-Dichloroethane	U		0.34	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,2-Dichloropropane	U		0.32	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,3-Dichlorobenzene	U		0.23	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
1,4-Dichlorobenzene	U		0.26	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
2-Butanone	**1.4**	J	**0.94**	**12**	**µg/Kg-dry**	0.973	3/28/2013 16:33
2-Hexanone	U		0.37	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
4-Methyl-2-pentanone	U		0.24	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Acetone	**20**		**1.1**	**12**	**µg/Kg-dry**	0.973	3/28/2013 16:33
Benzene	U		0.30	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Bromodichloromethane	U		0.25	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Bromoform	U		0.19	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Bromomethane	U		0.43	12	µg/Kg-dry	0.973	3/28/2013 16:33
Carbon disulfide	**0.50**	J	**0.45**	**6.1**	**µg/Kg-dry**	0.973	3/28/2013 16:33
Carbon tetrachloride	U		0.25	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Chlorobenzene	U		0.27	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Chloroethane	U		0.68	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Chloroform	**0.56**	J	**0.32**	**6.1**	**µg/Kg-dry**	0.973	3/28/2013 16:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (5-7')
Collection Date: 3/22/2013 09:35 AM

Work Order: 1303834
Lab ID: 1303834-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.37	12	µg/Kg-dry	0.973	3/28/2013 16:33
cis-1,2-Dichloroethene	U		0.36	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
cis-1,3-Dichloropropene	U		0.22	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Cyclohexane	U		0.39	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Dibromochloromethane	U		0.21	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Dichlorodifluoromethane	U		0.40	12	µg/Kg-dry	0.973	3/28/2013 16:33
Ethylbenzene	U		0.23	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Isopropylbenzene	U		0.23	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
m,p-Xylene	U		0.46	3.0	µg/Kg-dry	0.973	3/28/2013 16:33
Methyl acetate	U		0.98	12	µg/Kg-dry	0.973	3/28/2013 16:33
Methyl tert-butyl ether	U		0.31	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Methylcyclohexane	U		0.34	12	µg/Kg-dry	0.973	3/28/2013 16:33
Methylene chloride	**0.91**	J	**0.35**	**6.1**	**µg/Kg-dry**	0.973	3/28/2013 16:33
o-Xylene	U		0.24	3.0	µg/Kg-dry	0.973	3/28/2013 16:33
Styrene	U		0.22	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Tetrachloroethene	U		0.36	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Toluene	U		0.29	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
trans-1,2-Dichloroethene	U		0.36	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
trans-1,3-Dichloropropene	U		0.23	12	µg/Kg-dry	0.973	3/28/2013 16:33
Trichloroethene	U		0.28	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Trichlorofluoromethane	U		1.4	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Vinyl chloride	U		0.37	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Xylenes, Total	U		0.70	6.1	µg/Kg-dry	0.973	3/28/2013 16:33
Surr: 1,2-Dichloroethane-d4	*93.0*			*70-120*	*%REC*	0.973	3/28/2013 16:33
Surr: 4-Bromofluorobenzene	*105*			*75-120*	*%REC*	0.973	3/28/2013 16:33
Surr: Dibromofluoromethane	*8.45*	S		*85-115*	*%REC*	0.973	3/28/2013 16:33
Surr: Toluene-d8	*105*			*85-120*	*%REC*	0.973	3/28/2013 16:33
MOISTURE		Method:	**A2540 G**				Analyst: **DC**
Moisture	**20**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (7-9')
Collection Date: 3/22/2013 09:45 AM

Work Order: 1303834
Lab ID: 1303834-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/27/13		Analyst: **LR**
Mercury	**0.051**		**0.00094**	**0.019**	**mg/Kg-dry**	1	3/28/2013 17:14
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**8.2**		**0.065**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:27
Barium	**260**		**0.13**	**4.7**	**mg/Kg-dry**	10	4/1/2013 19:11
Cadmium	**0.28**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/29/2013 17:27
Chromium	**16**		**0.078**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:27
Lead	**15**		**0.0019**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:27
Selenium	**1.1**		**0.061**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:27
Silver	**0.028**	J	**0.0019**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:27
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.6	3.8	mg/Kg-dry	1	4/1/2013 11:36
ORO (C21-C35)	**21**		**1.8**	**3.8**	**mg/Kg-dry**	1	4/1/2013 11:36
Surr: 4-Terphenyl-d14	*104*			*25-137*	*%REC*	1	4/1/2013 11:36
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		6.4	420	µg/Kg-dry	1	4/1/2013 11:36
2,4,5-Trichlorophenol	U		10	210	µg/Kg-dry	1	4/1/2013 11:36
2,4,6-Trichlorophenol	U		10	210	µg/Kg-dry	1	4/1/2013 11:36
2,4-Dichlorophenol	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
2,4-Dimethylphenol	U		52	420	µg/Kg-dry	1	4/1/2013 11:36
2,4-Dinitrophenol	U		55	850	µg/Kg-dry	1	4/1/2013 11:36
2,4-Dinitrotoluene	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
2,6-Dinitrotoluene	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
2-Chloronaphthalene	U		12	100	µg/Kg-dry	1	4/1/2013 11:36
2-Chlorophenol	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
2-Methylnaphthalene	U		13	100	µg/Kg-dry	1	4/1/2013 11:36
2-Methylphenol	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
2-Nitroaniline	U		9.8	850	µg/Kg-dry	1	4/1/2013 11:36
2-Nitrophenol	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
3,3´-Dichlorobenzidine	U		12	850	µg/Kg-dry	1	4/1/2013 11:36
3-Nitroaniline	U		100	850	µg/Kg-dry	1	4/1/2013 11:36
4,6-Dinitro-2-methylphenol	U		62	420	µg/Kg-dry	1	4/1/2013 11:36
4-Bromophenyl phenyl ether	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
4-Chloro-3-methylphenol	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
4-Chloroaniline	U		16	850	µg/Kg-dry	1	4/1/2013 11:36
4-Chlorophenyl phenyl ether	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
4-Methylphenol	U		13	210	µg/Kg-dry	1	4/1/2013 11:36
4-Nitroaniline	U		19	850	µg/Kg-dry	1	4/1/2013 11:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (7-9')
Collection Date: 3/22/2013 09:45 AM

Work Order: 1303834
Lab ID: 1303834-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		52	850	µg/Kg-dry	1	4/1/2013 11:36
Acenaphthene	U		12	39	µg/Kg-dry	1	4/1/2013 11:36
Acenaphthylene	U		12	39	µg/Kg-dry	1	4/1/2013 11:36
Acetophenone	U		6.4	420	µg/Kg-dry	1	4/1/2013 11:36
Anthracene	U		13	39	µg/Kg-dry	1	4/1/2013 11:36
Atrazine	U		13	420	µg/Kg-dry	1	4/1/2013 11:36
Benzaldehyde	U		16	420	µg/Kg-dry	1	4/1/2013 11:36
Benzo(a)anthracene	U		16	39	µg/Kg-dry	1	4/1/2013 11:36
Benzo(a)pyrene	U		20	39	µg/Kg-dry	1	4/1/2013 11:36
Benzo(b)fluoranthene	U		21	39	µg/Kg-dry	1	4/1/2013 11:36
Benzo(g,h,i)perylene	U		30	39	µg/Kg-dry	1	4/1/2013 11:36
Benzo(k)fluoranthene	U		17	39	µg/Kg-dry	1	4/1/2013 11:36
Bis(2-chloroethoxy)methane	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
Bis(2-chloroethyl)ether	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
Bis(2-chloroisopropyl)ether	U		10	210	µg/Kg-dry	1	4/1/2013 11:36
Bis(2-ethylhexyl)phthalate	U		13	420	µg/Kg-dry	1	4/1/2013 11:36
Butyl benzyl phthalate	U		18	210	µg/Kg-dry	1	4/1/2013 11:36
Caprolactam	U		19	420	µg/Kg-dry	1	4/1/2013 11:36
Carbazole	U		15	210	µg/Kg-dry	1	4/1/2013 11:36
Chrysene	U		15	39	µg/Kg-dry	1	4/1/2013 11:36
Dibenzo(a,h)anthracene	U		22	39	µg/Kg-dry	1	4/1/2013 11:36
Dibenzofuran	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
Diethyl phthalate	U		11	420	µg/Kg-dry	1	4/1/2013 11:36
Dimethyl phthalate	U		11	420	µg/Kg-dry	1	4/1/2013 11:36
Di-n-butyl phthalate	U		13	420	µg/Kg-dry	1	4/1/2013 11:36
Di-n-octyl phthalate	U		16	210	µg/Kg-dry	1	4/1/2013 11:36
Fluoranthene	**23**	J	**15**	**39**	**µg/Kg-dry**	1	4/1/2013 11:36
Fluorene	U		11	39	µg/Kg-dry	1	4/1/2013 11:36
Hexachlorobenzene	U		12	210	µg/Kg-dry	1	4/1/2013 11:36
Hexachlorobutadiene	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
Hexachlorocyclopentadiene	U		45	420	µg/Kg-dry	1	4/1/2013 11:36
Hexachloroethane	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
Indeno(1,2,3-cd)pyrene	U		24	39	µg/Kg-dry	1	4/1/2013 11:36
Isophorone	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
Naphthalene	U		11	39	µg/Kg-dry	1	4/1/2013 11:36
Nitrobenzene	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
N-Nitrosodi-n-propylamine	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
N-Nitrosodiphenylamine	U		76	210	µg/Kg-dry	1	4/1/2013 11:36
Pentachlorophenol	U		19	420	µg/Kg-dry	1	4/1/2013 11:36
Phenanthrene	U		39	39	µg/Kg-dry	1	4/1/2013 11:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (7-9')
Collection Date: 3/22/2013 09:45 AM

Work Order: 1303834
Lab ID: 1303834-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		11	210	µg/Kg-dry	1	4/1/2013 11:36
Pyrene	U		16	39	µg/Kg-dry	1	4/1/2013 11:36
Surr: 2,4,6-Tribromophenol	*85.0*			*34-140*	*%REC*	1	4/1/2013 11:36
Surr: 2-Fluorobiphenyl	*78.4*			*12-100*	*%REC*	1	4/1/2013 11:36
Surr: 2-Fluorophenol	*90.6*			*33-117*	*%REC*	1	4/1/2013 11:36
Surr: 4-Terphenyl-d14	*104*			*25-137*	*%REC*	1	4/1/2013 11:36
Surr: Nitrobenzene-d5	*83.5*			*37-107*	*%REC*	1	4/1/2013 11:36
Surr: Phenol-d6	*90.0*			*40-106*	*%REC*	1	4/1/2013 11:36
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/28/2013 05:29
Surr: Toluene-d8	*86.8*			*70-130*	*%REC*	1	3/28/2013 05:29
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.28	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,1,2,2-Tetrachloroethane	U		0.18	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,1,2-Trichloroethane	U		0.24	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,1,2-Trichlorotrifluoroethane	U		0.35	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,1-Dichloroethane	U		0.32	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,1-Dichloroethene	U		0.29	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,2,4-Trichlorobenzene	U		0.26	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,2-Dibromo-3-chloropropane	U		0.25	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,2-Dibromoethane	U		0.26	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,2-Dichlorobenzene	U		0.26	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,2-Dichloroethane	U		0.35	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,2-Dichloropropane	U		0.33	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,3-Dichlorobenzene	U		0.24	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
1,4-Dichlorobenzene	U		0.27	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
2-Butanone	**2.7**	J	**0.97**	**13**	**µg/Kg-dry**	0.973	3/28/2013 17:01
2-Hexanone	U		0.38	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
4-Methyl-2-pentanone	U		0.25	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Acetone	**26**		**1.2**	**13**	**µg/Kg-dry**	0.973	3/28/2013 17:01
Benzene	U		0.31	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Bromodichloromethane	U		0.26	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Bromoform	U		0.20	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Bromomethane	U		0.45	13	µg/Kg-dry	0.973	3/28/2013 17:01
Carbon disulfide	**0.47**	J	**0.47**	**6.3**	**µg/Kg-dry**	0.973	3/28/2013 17:01
Carbon tetrachloride	U		0.26	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Chlorobenzene	U		0.28	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Chloroethane	U		0.71	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Chloroform	**0.70**	J	**0.33**	**6.3**	**µg/Kg-dry**	0.973	3/28/2013 17:01

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-2 (7-9')
Collection Date: 3/22/2013 09:45 AM

Work Order: 1303834
Lab ID: 1303834-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.39	13	µg/Kg-dry	0.973	3/28/2013 17:01
cis-1,2-Dichloroethene	U		0.38	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
cis-1,3-Dichloropropene	U		0.23	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Cyclohexane	U		0.40	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Dibromochloromethane	U		0.21	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Dichlorodifluoromethane	U		0.42	13	µg/Kg-dry	0.973	3/28/2013 17:01
Ethylbenzene	U		0.24	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Isopropylbenzene	U		0.24	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
m,p-Xylene	U		0.48	3.2	µg/Kg-dry	0.973	3/28/2013 17:01
Methyl acetate	U		1.0	13	µg/Kg-dry	0.973	3/28/2013 17:01
Methyl tert-butyl ether	U		0.32	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Methylcyclohexane	U		0.35	13	µg/Kg-dry	0.973	3/28/2013 17:01
Methylene chloride	**0.94**	J	**0.36**	**6.3**	**µg/Kg-dry**	0.973	3/28/2013 17:01
o-Xylene	U		0.25	3.2	µg/Kg-dry	0.973	3/28/2013 17:01
Styrene	U		0.23	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Tetrachloroethene	U		0.38	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Toluene	U		0.30	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
trans-1,2-Dichloroethene	U		0.37	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
trans-1,3-Dichloropropene	U		0.24	13	µg/Kg-dry	0.973	3/28/2013 17:01
Trichloroethene	U		0.30	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Trichlorofluoromethane	U		1.5	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Vinyl chloride	U		0.39	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Xylenes, Total	U		0.73	6.3	µg/Kg-dry	0.973	3/28/2013 17:01
Surr: 1,2-Dichloroethane-d4	*119*			*70-120*	*%REC*	0.973	3/28/2013 17:01
Surr: 4-Bromofluorobenzene	*109*			*75-120*	*%REC*	0.973	3/28/2013 17:01
Surr: Dibromofluoromethane	*7.75*	S		*85-115*	*%REC*	0.973	3/28/2013 17:01
Surr: Toluene-d8	*102*			*85-120*	*%REC*	0.973	3/28/2013 17:01
MOISTURE		Method:	**A2540 G**				Analyst: **DC**
Moisture	**23**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-3 (7-9')
Collection Date: 3/22/2013 10:15 AM

Work Order: 1303834
Lab ID: 1303834-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PARTICLE-SIZE ANALYSIS OF SOILS			**D422**			Analyst: **KK**
3 Inch Sieve	**100**			**% Passing**	1	4/15/2013
1.5 Inch Sieve	**100**			**% Passing**	1	4/15/2013
0.75 Inch Sieve	**100**			**% Passing**	1	4/15/2013
0.375 Inch Sieve	**100**			**% Passing**	1	4/15/2013
No. 4 Sieve (4.75 mm)	**100**			**% Passing**	1	4/15/2013
No. 10 Sieve (2.00 mm)	**100**			**% Passing**	1	4/15/2013
No. 16 Sieve (1.18 mm)	**99.8**			**% Passing**	1	4/15/2013
No. 30 Sieve (0.60 mm)	**99.8**			**% Passing**	1	4/15/2013
No. 50 Sieve (0.30 mm)	**99.8**			**% Passing**	1	4/15/2013
No. 60 Sieve (0.25 mm)	**99.8**			**% Passing**	1	4/15/2013
No. 100 Sieve (0.15 mm)	**99.7**			**% Passing**	1	4/15/2013
No. 200 Sieve (0.075 mm)	**99.2**			**% Passing**	1	4/15/2013
0.030 mm (Hydrometer)	**82.0**			**% Passing**	1	4/15/2013
0.005 mm (Hydrometer)	**47.5**			**% Passing**	1	4/15/2013
0.0015 mm (Hydrometer)	**37.5**			**% Passing**	1	4/15/2013
% Gravel	U			**% Passing**	1	4/15/2013
% Sand	**0.836**			**% Passing**	1	4/15/2013
% Silt, Clay, Colloids	**99.2**			**% Passing**	1	4/15/2013

Note: See Qualifiers page for a list of qualifiers and their definitions.

Date Tested:	4/10/13
Analyst:	KK
Work Order:	1303834-05A

Sand	0.84%
Silt Size	52.00%
Clay Size	47.16%

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (6-8')
Collection Date: 3/22/2013 10:50 AM

Work Order: 1303834
Lab ID: 1303834-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/29/13		Analyst: **LR**
Mercury	**0.034**		**0.00086**	**0.017**	**mg/Kg-dry**	1	3/29/2013 13:37
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**5.8**		**0.064**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:33
Barium	**150**		**0.013**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:33
Cadmium	**0.23**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/29/2013 17:33
Chromium	**13**		**0.077**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:33
Lead	**14**		**0.0019**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:33
Selenium	**1.2**		**0.060**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:33
Silver	**0.030**	J	**0.0019**	**0.47**	**mg/Kg-dry**	1	3/29/2013 17:33
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.5	3.6	mg/Kg-dry	1	4/1/2013 12:06
ORO (C21-C35)	**18**		**1.7**	**3.6**	**mg/Kg-dry**	1	4/1/2013 12:06
Surr: 4-Terphenyl-d14	*102*			*25-137*	*%REC*	1	4/1/2013 12:06
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		6.1	410	µg/Kg-dry	1	4/1/2013 12:06
2,4,5-Trichlorophenol	U		9.8	200	µg/Kg-dry	1	4/1/2013 12:06
2,4,6-Trichlorophenol	U		9.8	200	µg/Kg-dry	1	4/1/2013 12:06
2,4-Dichlorophenol	U		12	200	µg/Kg-dry	1	4/1/2013 12:06
2,4-Dimethylphenol	U		50	410	µg/Kg-dry	1	4/1/2013 12:06
2,4-Dinitrophenol	U		52	810	µg/Kg-dry	1	4/1/2013 12:06
2,4-Dinitrotoluene	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
2,6-Dinitrotoluene	U		12	200	µg/Kg-dry	1	4/1/2013 12:06
2-Chloronaphthalene	U		11	99	µg/Kg-dry	1	4/1/2013 12:06
2-Chlorophenol	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
2-Methylnaphthalene	**83**	J	**12**	**99**	**µg/Kg-dry**	1	4/1/2013 12:06
2-Methylphenol	U		12	200	µg/Kg-dry	1	4/1/2013 12:06
2-Nitroaniline	U		9.4	810	µg/Kg-dry	1	4/1/2013 12:06
2-Nitrophenol	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
3,3´-Dichlorobenzidine	U		11	810	µg/Kg-dry	1	4/1/2013 12:06
3-Nitroaniline	U		100	810	µg/Kg-dry	1	4/1/2013 12:06
4,6-Dinitro-2-methylphenol	U		59	410	µg/Kg-dry	1	4/1/2013 12:06
4-Bromophenyl phenyl ether	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
4-Chloro-3-methylphenol	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
4-Chloroaniline	U		16	810	µg/Kg-dry	1	4/1/2013 12:06
4-Chlorophenyl phenyl ether	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
4-Methylphenol	U		12	200	µg/Kg-dry	1	4/1/2013 12:06
4-Nitroaniline	U		18	810	µg/Kg-dry	1	4/1/2013 12:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (6-8')
Collection Date: 3/22/2013 10:50 AM

Work Order: 1303834
Lab ID: 1303834-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		50	810	µg/Kg-dry	1	4/1/2013 12:06
Acenaphthene	U		11	37	µg/Kg-dry	1	4/1/2013 12:06
Acenaphthylene	U		12	37	µg/Kg-dry	1	4/1/2013 12:06
Acetophenone	U		6.1	410	µg/Kg-dry	1	4/1/2013 12:06
Anthracene	U		13	37	µg/Kg-dry	1	4/1/2013 12:06
Atrazine	U		12	410	µg/Kg-dry	1	4/1/2013 12:06
Benzaldehyde	U		16	410	µg/Kg-dry	1	4/1/2013 12:06
Benzo(a)anthracene	U		15	37	µg/Kg-dry	1	4/1/2013 12:06
Benzo(a)pyrene	U		19	37	µg/Kg-dry	1	4/1/2013 12:06
Benzo(b)fluoranthene	U		20	37	µg/Kg-dry	1	4/1/2013 12:06
Benzo(g,h,i)perylene	U		29	37	µg/Kg-dry	1	4/1/2013 12:06
Benzo(k)fluoranthene	U		17	37	µg/Kg-dry	1	4/1/2013 12:06
Bis(2-chloroethoxy)methane	U		10	200	µg/Kg-dry	1	4/1/2013 12:06
Bis(2-chloroethyl)ether	U		10	200	µg/Kg-dry	1	4/1/2013 12:06
Bis(2-chloroisopropyl)ether	U		9.6	200	µg/Kg-dry	1	4/1/2013 12:06
Bis(2-ethylhexyl)phthalate	U		12	410	µg/Kg-dry	1	4/1/2013 12:06
Butyl benzyl phthalate	U		17	200	µg/Kg-dry	1	4/1/2013 12:06
Caprolactam	U		18	410	µg/Kg-dry	1	4/1/2013 12:06
Carbazole	U		14	200	µg/Kg-dry	1	4/1/2013 12:06
Chrysene	U		14	37	µg/Kg-dry	1	4/1/2013 12:06
Dibenzo(a,h)anthracene	U		21	37	µg/Kg-dry	1	4/1/2013 12:06
Dibenzofuran	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
Diethyl phthalate	U		10	410	µg/Kg-dry	1	4/1/2013 12:06
Dimethyl phthalate	U		10	410	µg/Kg-dry	1	4/1/2013 12:06
Di-n-butyl phthalate	U		12	410	µg/Kg-dry	1	4/1/2013 12:06
Di-n-octyl phthalate	U		15	200	µg/Kg-dry	1	4/1/2013 12:06
Fluoranthene	U		15	37	µg/Kg-dry	1	4/1/2013 12:06
Fluorene	U		11	37	µg/Kg-dry	1	4/1/2013 12:06
Hexachlorobenzene	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
Hexachlorobutadiene	U		10	200	µg/Kg-dry	1	4/1/2013 12:06
Hexachlorocyclopentadiene	U		43	410	µg/Kg-dry	1	4/1/2013 12:06
Hexachloroethane	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
Indeno(1,2,3-cd)pyrene	U		23	37	µg/Kg-dry	1	4/1/2013 12:06
Isophorone	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
Naphthalene	**47**		**11**	**37**	**µg/Kg-dry**	1	4/1/2013 12:06
Nitrobenzene	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
N-Nitrosodi-n-propylamine	U		11	200	µg/Kg-dry	1	4/1/2013 12:06
N-Nitrosodiphenylamine	U		73	200	µg/Kg-dry	1	4/1/2013 12:06
Pentachlorophenol	U		18	410	µg/Kg-dry	1	4/1/2013 12:06
Phenanthrene	U		37	37	µg/Kg-dry	1	4/1/2013 12:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (6-8')
Collection Date: 3/22/2013 10:50 AM

Work Order: 1303834
Lab ID: 1303834-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		10	200	µg/Kg-dry	1	4/1/2013 12:06
Pyrene	U		15	37	µg/Kg-dry	1	4/1/2013 12:06
Surr: 2,4,6-Tribromophenol	*78.5*			*34-140*	*%REC*	1	4/1/2013 12:06
Surr: 2-Fluorobiphenyl	*78.6*			*12-100*	*%REC*	1	4/1/2013 12:06
Surr: 2-Fluorophenol	*89.2*			*33-117*	*%REC*	1	4/1/2013 12:06
Surr: 4-Terphenyl-d14	*102*			*25-137*	*%REC*	1	4/1/2013 12:06
Surr: Nitrobenzene-d5	*82.5*			*37-107*	*%REC*	1	4/1/2013 12:06
Surr: Phenol-d6	*89.1*			*40-106*	*%REC*	1	4/1/2013 12:06
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,500		µg/Kg-dry	1	3/28/2013 05:52
Surr: Toluene-d8	*86.6*			*70-130*	*%REC*	1	3/28/2013 05:52
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.20	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,1,2,2-Tetrachloroethane	U		0.13	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,1,2-Trichloroethane	U		0.17	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,1,2-Trichlorotrifluoroethane	U		0.25	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,1-Dichloroethane	U		0.23	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,1-Dichloroethene	U		0.20	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,2,4-Trichlorobenzene	U		0.19	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,2-Dibromo-3-chloropropane	U		0.18	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,2-Dibromoethane	U		0.18	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,2-Dichlorobenzene	U		0.18	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,2-Dichloroethane	U		0.25	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,2-Dichloropropane	U		0.23	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,3-Dichlorobenzene	U		0.17	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
1,4-Dichlorobenzene	U		0.19	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
2-Butanone	**5.3**	J	**0.69**	**9.0**	**µg/Kg-dry**	0.728	3/28/2013 17:28
2-Hexanone	U		0.27	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
4-Methyl-2-pentanone	U		0.18	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Acetone	**25**		**0.84**	**9.0**	**µg/Kg-dry**	0.728	3/28/2013 17:28
Benzene	U		0.22	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Bromodichloromethane	U		0.19	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Bromoform	U		0.14	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Bromomethane	U		0.32	9.0	µg/Kg-dry	0.728	3/28/2013 17:28
Carbon disulfide	**0.68**	J	**0.33**	**4.5**	**µg/Kg-dry**	0.728	3/28/2013 17:28
Carbon tetrachloride	U		0.18	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Chlorobenzene	U		0.20	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Chloroethane	U		0.50	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Chloroform	**0.45**	J	**0.24**	**4.5**	**µg/Kg-dry**	0.728	3/28/2013 17:28

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (6-8')
Collection Date: 3/22/2013 10:50 AM

Work Order: 1303834
Lab ID: 1303834-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.28	9.0	µg/Kg-dry	0.728	3/28/2013 17:28
cis-1,2-Dichloroethene	U		0.27	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
cis-1,3-Dichloropropene	U		0.16	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Cyclohexane	U		0.29	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Dibromochloromethane	U		0.15	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Dichlorodifluoromethane	U		0.30	9.0	µg/Kg-dry	0.728	3/28/2013 17:28
Ethylbenzene	U		0.17	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Isopropylbenzene	U		0.17	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
m,p-Xylene	U		0.34	2.2	µg/Kg-dry	0.728	3/28/2013 17:28
Methyl acetate	U		0.72	9.0	µg/Kg-dry	0.728	3/28/2013 17:28
Methyl tert-butyl ether	U		0.23	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Methylcyclohexane	U		0.25	9.0	µg/Kg-dry	0.728	3/28/2013 17:28
Methylene chloride	**0.62**	J	**0.26**	**4.5**	**µg/Kg-dry**	0.728	3/28/2013 17:28
o-Xylene	U		0.18	2.2	µg/Kg-dry	0.728	3/28/2013 17:28
Styrene	U		0.16	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Tetrachloroethene	U		0.27	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Toluene	U		0.21	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
trans-1,2-Dichloroethene	U		0.26	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
trans-1,3-Dichloropropene	U		0.17	9.0	µg/Kg-dry	0.728	3/28/2013 17:28
Trichloroethene	U		0.21	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Trichlorofluoromethane	U		1.0	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Vinyl chloride	U		0.27	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Xylenes, Total	U		0.52	4.5	µg/Kg-dry	0.728	3/28/2013 17:28
Surr: 1,2-Dichloroethane-d4	*113*			*70-120*	*%REC*	0.728	3/28/2013 17:28
Surr: 4-Bromofluorobenzene	*108*			*75-120*	*%REC*	0.728	3/28/2013 17:28
Surr: Dibromofluoromethane	*8.60*	S		*85-115*	*%REC*	0.728	3/28/2013 17:28
Surr: Toluene-d8	*99.6*			*85-120*	*%REC*	0.728	3/28/2013 17:28
MOISTURE		Method: **A2540 G**					Analyst: **DC**
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (8-10')
Collection Date: 3/22/2013 11:00 AM

Work Order: 1303834
Lab ID: 1303834-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/29/13		Analyst: **LR**
Mercury	**0.033**		**0.00086**	**0.017**	**mg/Kg-dry**	1	3/29/2013 13:39
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**4.9**		**0.066**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:39
Barium	**220**		**0.14**	**4.8**	**mg/Kg-dry**	10	4/1/2013 19:17
Cadmium	**0.26**		**0.0019**	**0.19**	**mg/Kg-dry**	1	3/29/2013 17:39
Chromium	**12**		**0.079**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:39
Lead	**13**		**0.0019**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:39
Selenium	**0.83**		**0.062**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:39
Silver	**0.022**	J	**0.0019**	**0.48**	**mg/Kg-dry**	1	3/29/2013 17:39
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.5	3.6	mg/Kg-dry	1	4/1/2013 12:36
ORO (C21-C35)	**19**		**1.7**	**3.6**	**mg/Kg-dry**	1	4/1/2013 12:36
Surr: 4-Terphenyl-d14	*103*			*25-137*	*%REC*	1	4/1/2013 12:36
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		6.0	400	µg/Kg-dry	1	4/1/2013 12:36
2,4,5-Trichlorophenol	U		9.7	190	µg/Kg-dry	1	4/1/2013 12:36
2,4,6-Trichlorophenol	U		9.7	190	µg/Kg-dry	1	4/1/2013 12:36
2,4-Dichlorophenol	U		12	190	µg/Kg-dry	1	4/1/2013 12:36
2,4-Dimethylphenol	U		50	400	µg/Kg-dry	1	4/1/2013 12:36
2,4-Dinitrophenol	U		52	800	µg/Kg-dry	1	4/1/2013 12:36
2,4-Dinitrotoluene	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
2,6-Dinitrotoluene	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
2-Chloronaphthalene	U		11	97	µg/Kg-dry	1	4/1/2013 12:36
2-Chlorophenol	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
2-Methylnaphthalene	U		12	97	µg/Kg-dry	1	4/1/2013 12:36
2-Methylphenol	U		12	190	µg/Kg-dry	1	4/1/2013 12:36
2-Nitroaniline	U		9.3	800	µg/Kg-dry	1	4/1/2013 12:36
2-Nitrophenol	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
3,3´-Dichlorobenzidine	U		11	800	µg/Kg-dry	1	4/1/2013 12:36
3-Nitroaniline	U		99	800	µg/Kg-dry	1	4/1/2013 12:36
4,6-Dinitro-2-methylphenol	U		59	400	µg/Kg-dry	1	4/1/2013 12:36
4-Bromophenyl phenyl ether	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
4-Chloro-3-methylphenol	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
4-Chloroaniline	U		16	800	µg/Kg-dry	1	4/1/2013 12:36
4-Chlorophenyl phenyl ether	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
4-Methylphenol	U		12	190	µg/Kg-dry	1	4/1/2013 12:36
4-Nitroaniline	U		18	800	µg/Kg-dry	1	4/1/2013 12:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (8-10')
Collection Date: 3/22/2013 11:00 AM

Work Order: 1303834
Lab ID: 1303834-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		49	800	µg/Kg-dry	1	4/1/2013 12:36
Acenaphthene	U		11	37	µg/Kg-dry	1	4/1/2013 12:36
Acenaphthylene	U		12	37	µg/Kg-dry	1	4/1/2013 12:36
Acetophenone	U		6.1	400	µg/Kg-dry	1	4/1/2013 12:36
Anthracene	U		12	37	µg/Kg-dry	1	4/1/2013 12:36
Atrazine	U		12	400	µg/Kg-dry	1	4/1/2013 12:36
Benzaldehyde	U		15	400	µg/Kg-dry	1	4/1/2013 12:36
Benzo(a)anthracene	U		15	37	µg/Kg-dry	1	4/1/2013 12:36
Benzo(a)pyrene	U		19	37	µg/Kg-dry	1	4/1/2013 12:36
Benzo(b)fluoranthene	U		20	37	µg/Kg-dry	1	4/1/2013 12:36
Benzo(g,h,i)perylene	U		29	37	µg/Kg-dry	1	4/1/2013 12:36
Benzo(k)fluoranthene	U		17	37	µg/Kg-dry	1	4/1/2013 12:36
Bis(2-chloroethoxy)methane	U		10	190	µg/Kg-dry	1	4/1/2013 12:36
Bis(2-chloroethyl)ether	U		10	190	µg/Kg-dry	1	4/1/2013 12:36
Bis(2-chloroisopropyl)ether	U		9.5	190	µg/Kg-dry	1	4/1/2013 12:36
Bis(2-ethylhexyl)phthalate	U		12	400	µg/Kg-dry	1	4/1/2013 12:36
Butyl benzyl phthalate	U		17	190	µg/Kg-dry	1	4/1/2013 12:36
Caprolactam	U		18	400	µg/Kg-dry	1	4/1/2013 12:36
Carbazole	U		14	190	µg/Kg-dry	1	4/1/2013 12:36
Chrysene	U		14	37	µg/Kg-dry	1	4/1/2013 12:36
Dibenzo(a,h)anthracene	U		21	37	µg/Kg-dry	1	4/1/2013 12:36
Dibenzofuran	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
Diethyl phthalate	U		10	400	µg/Kg-dry	1	4/1/2013 12:36
Dimethyl phthalate	U		10	400	µg/Kg-dry	1	4/1/2013 12:36
Di-n-butyl phthalate	U		12	400	µg/Kg-dry	1	4/1/2013 12:36
Di-n-octyl phthalate	U		15	190	µg/Kg-dry	1	4/1/2013 12:36
Fluoranthene	**21**	J	**14**	**37**	**µg/Kg-dry**	1	4/1/2013 12:36
Fluorene	U		11	37	µg/Kg-dry	1	4/1/2013 12:36
Hexachlorobenzene	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
Hexachlorobutadiene	U		10	190	µg/Kg-dry	1	4/1/2013 12:36
Hexachlorocyclopentadiene	U		43	400	µg/Kg-dry	1	4/1/2013 12:36
Hexachloroethane	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
Indeno(1,2,3-cd)pyrene	U		23	37	µg/Kg-dry	1	4/1/2013 12:36
Isophorone	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
Naphthalene	U		10	37	µg/Kg-dry	1	4/1/2013 12:36
Nitrobenzene	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
N-Nitrosodi-n-propylamine	U		11	190	µg/Kg-dry	1	4/1/2013 12:36
N-Nitrosodiphenylamine	U		72	190	µg/Kg-dry	1	4/1/2013 12:36
Pentachlorophenol	U		18	400	µg/Kg-dry	1	4/1/2013 12:36
Phenanthrene	U		37	37	µg/Kg-dry	1	4/1/2013 12:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (8-10')
Collection Date: 3/22/2013 11:00 AM

Work Order: 1303834
Lab ID: 1303834-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		10	190	µg/Kg-dry	1	4/1/2013 12:36
Pyrene	U		15	37	µg/Kg-dry	1	4/1/2013 12:36
Surr: 2,4,6-Tribromophenol	*84.9*			*34-140*	*%REC*	1	4/1/2013 12:36
Surr: 2-Fluorobiphenyl	*78.8*			*12-100*	*%REC*	1	4/1/2013 12:36
Surr: 2-Fluorophenol	*91.9*			*33-117*	*%REC*	1	4/1/2013 12:36
Surr: 4-Terphenyl-d14	*103*			*25-137*	*%REC*	1	4/1/2013 12:36
Surr: Nitrobenzene-d5	*83.5*			*37-107*	*%REC*	1	4/1/2013 12:36
Surr: Phenol-d6	*91.3*			*40-106*	*%REC*	1	4/1/2013 12:36
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,500		µg/Kg-dry	1	3/28/2013 06:15
Surr: Toluene-d8	*87.0*			*70-130*	*%REC*	1	3/28/2013 06:15
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.20	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,1,2,2-Tetrachloroethane	U		0.13	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,1,2-Trichloroethane	U		0.17	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,1,2-Trichlorotrifluoroethane	U		0.25	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,1-Dichloroethane	U		0.23	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,1-Dichloroethene	U		0.20	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,2,4-Trichlorobenzene	U		0.19	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,2-Dibromo-3-chloropropane	U		0.18	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,2-Dibromoethane	U		0.18	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,2-Dichlorobenzene	U		0.18	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,2-Dichloroethane	U		0.25	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,2-Dichloropropane	U		0.23	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,3-Dichlorobenzene	U		0.17	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
1,4-Dichlorobenzene	U		0.19	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
2-Butanone	U		0.69	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
2-Hexanone	U		0.27	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
4-Methyl-2-pentanone	U		0.18	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Acetone	**4.6**	J	**0.84**	**9.0**	**µg/Kg-dry**	0.729	3/28/2013 17:56
Benzene	U		0.22	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Bromodichloromethane	U		0.18	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Bromoform	U		0.14	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Bromomethane	U		0.32	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
Carbon disulfide	**0.34**	J	**0.33**	**4.5**	**µg/Kg-dry**	0.729	3/28/2013 17:56
Carbon tetrachloride	U		0.18	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Chlorobenzene	U		0.20	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Chloroethane	U		0.50	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Chloroform	**0.43**	J	**0.24**	**4.5**	**µg/Kg-dry**	0.729	3/28/2013 17:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-4 (8-10')
Collection Date: 3/22/2013 11:00 AM

Work Order: 1303834
Lab ID: 1303834-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.28	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
cis-1,2-Dichloroethene	U		0.27	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
cis-1,3-Dichloropropene	U		0.16	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Cyclohexane	U		0.29	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Dibromochloromethane	U		0.15	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Dichlorodifluoromethane	U		0.30	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
Ethylbenzene	U		0.17	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Isopropylbenzene	U		0.17	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
m,p-Xylene	U		0.34	2.2	µg/Kg-dry	0.729	3/28/2013 17:56
Methyl acetate	U		0.72	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
Methyl tert-butyl ether	U		0.23	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Methylcyclohexane	U		0.25	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
Methylene chloride	**0.66**	J	**0.25**	**4.5**	**µg/Kg-dry**	0.729	3/28/2013 17:56
o-Xylene	U		0.18	2.2	µg/Kg-dry	0.729	3/28/2013 17:56
Styrene	U		0.16	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Tetrachloroethene	U		0.27	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Toluene	U		0.21	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
trans-1,2-Dichloroethene	U		0.26	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
trans-1,3-Dichloropropene	U		0.17	9.0	µg/Kg-dry	0.729	3/28/2013 17:56
Trichloroethene	U		0.21	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Trichlorofluoromethane	U		1.0	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Vinyl chloride	U		0.27	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Xylenes, Total	U		0.52	4.5	µg/Kg-dry	0.729	3/28/2013 17:56
Surr: 1,2-Dichloroethane-d4	*106*			*70-120*	*%REC*	0.729	3/28/2013 17:56
Surr: 4-Bromofluorobenzene	*107*			*75-120*	*%REC*	0.729	3/28/2013 17:56
Surr: Dibromofluoromethane	*14.6*	S		*85-115*	*%REC*	0.729	3/28/2013 17:56
Surr: Toluene-d8	*98.6*			*85-120*	*%REC*	0.729	3/28/2013 17:56
MOISTURE		Method: **A2540 G**					Analyst: **DC**
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-5 (3-5')
Collection Date: 3/22/2013 11:40 AM

Work Order: 1303834
Lab ID: 1303834-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/29/13		Analyst: **LR**
Mercury	**0.077**		**0.00088**	**0.018**	**mg/Kg-dry**	1	3/29/2013 13:47
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/27/13		Analyst: **RH**
Arsenic	**6.8**		**0.067**	**0.50**	**mg/Kg-dry**	1	3/29/2013 17:45
Barium	**340**		**0.14**	**5.0**	**mg/Kg-dry**	10	4/1/2013 21:00
Cadmium	**0.29**		**0.0020**	**0.20**	**mg/Kg-dry**	1	3/29/2013 17:45
Chromium	**17**		**0.081**	**0.50**	**mg/Kg-dry**	1	3/29/2013 17:45
Lead	**65**		**0.0020**	**0.50**	**mg/Kg-dry**	1	3/29/2013 17:45
Selenium	**0.97**		**0.064**	**0.50**	**mg/Kg-dry**	1	3/29/2013 17:45
Silver	**0.031**	J	**0.0020**	**0.50**	**mg/Kg-dry**	1	3/29/2013 17:45
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		7.7	18	mg/Kg-dry	5	4/1/2013 13:06
ORO (C21-C35)	**51**		**8.6**	**18**	**mg/Kg-dry**	5	4/1/2013 13:06
Surr: 4-Terphenyl-d14	*93.0*			*25-137*	*%REC*	5	4/1/2013 13:06
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		30	2,000	µg/Kg-dry	5	4/1/2013 13:06
2,4,5-Trichlorophenol	U		49	980	µg/Kg-dry	5	4/1/2013 13:06
2,4,6-Trichlorophenol	U		49	980	µg/Kg-dry	5	4/1/2013 13:06
2,4-Dichlorophenol	U		60	980	µg/Kg-dry	5	4/1/2013 13:06
2,4-Dimethylphenol	U		250	2,000	µg/Kg-dry	5	4/1/2013 13:06
2,4-Dinitrophenol	U		260	4,100	µg/Kg-dry	5	4/1/2013 13:06
2,4-Dinitrotoluene	U		55	980	µg/Kg-dry	5	4/1/2013 13:06
2,6-Dinitrotoluene	U		57	980	µg/Kg-dry	5	4/1/2013 13:06
2-Chloronaphthalene	U		56	490	µg/Kg-dry	5	4/1/2013 13:06
2-Chlorophenol	U		55	980	µg/Kg-dry	5	4/1/2013 13:06
2-Methylnaphthalene	U		60	490	µg/Kg-dry	5	4/1/2013 13:06
2-Methylphenol	U		59	980	µg/Kg-dry	5	4/1/2013 13:06
2-Nitroaniline	U		47	4,100	µg/Kg-dry	5	4/1/2013 13:06
2-Nitrophenol	U		53	980	µg/Kg-dry	5	4/1/2013 13:06
3,3´-Dichlorobenzidine	U		57	4,100	µg/Kg-dry	5	4/1/2013 13:06
3-Nitroaniline	U		500	4,100	µg/Kg-dry	5	4/1/2013 13:06
4,6-Dinitro-2-methylphenol	U		300	2,000	µg/Kg-dry	5	4/1/2013 13:06
4-Bromophenyl phenyl ether	U		53	980	µg/Kg-dry	5	4/1/2013 13:06
4-Chloro-3-methylphenol	U		55	980	µg/Kg-dry	5	4/1/2013 13:06
4-Chloroaniline	U		78	4,100	µg/Kg-dry	5	4/1/2013 13:06
4-Chlorophenyl phenyl ether	U		56	980	µg/Kg-dry	5	4/1/2013 13:06
4-Methylphenol	U		60	980	µg/Kg-dry	5	4/1/2013 13:06
4-Nitroaniline	U		91	4,100	µg/Kg-dry	5	4/1/2013 13:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-5 (3-5')
Collection Date: 3/22/2013 11:40 AM

Work Order: 1303834
Lab ID: 1303834-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		250	4,100	µg/Kg-dry	5	4/1/2013 13:06
Acenaphthene	U		56	180	µg/Kg-dry	5	4/1/2013 13:06
Acenaphthylene	U		58	180	µg/Kg-dry	5	4/1/2013 13:06
Acetophenone	U		31	2,000	µg/Kg-dry	5	4/1/2013 13:06
Anthracene	U		62	180	µg/Kg-dry	5	4/1/2013 13:06
Atrazine	U		62	2,000	µg/Kg-dry	5	4/1/2013 13:06
Benzaldehyde	U		78	2,000	µg/Kg-dry	5	4/1/2013 13:06
Benzo(a)anthracene	**210**		**75**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Benzo(a)pyrene	**210**		**95**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Benzo(b)fluoranthene	**270**		**99**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Benzo(g,h,i)perylene	**150**	J	**140**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Benzo(k)fluoranthene	**110**	J	**83**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Bis(2-chloroethoxy)methane	U		50	980	µg/Kg-dry	5	4/1/2013 13:06
Bis(2-chloroethyl)ether	U		51	980	µg/Kg-dry	5	4/1/2013 13:06
Bis(2-chloroisopropyl)ether	U		48	980	µg/Kg-dry	5	4/1/2013 13:06
Bis(2-ethylhexyl)phthalate	U		61	2,000	µg/Kg-dry	5	4/1/2013 13:06
Butyl benzyl phthalate	U		85	980	µg/Kg-dry	5	4/1/2013 13:06
Caprolactam	U		89	2,000	µg/Kg-dry	5	4/1/2013 13:06
Carbazole	U		70	980	µg/Kg-dry	5	4/1/2013 13:06
Chrysene	**230**		**69**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Dibenzo(a,h)anthracene	U		100	180	µg/Kg-dry	5	4/1/2013 13:06
Dibenzofuran	U		56	980	µg/Kg-dry	5	4/1/2013 13:06
Diethyl phthalate	U		51	2,000	µg/Kg-dry	5	4/1/2013 13:06
Dimethyl phthalate	U		51	2,000	µg/Kg-dry	5	4/1/2013 13:06
Di-n-butyl phthalate	U		62	2,000	µg/Kg-dry	5	4/1/2013 13:06
Di-n-octyl phthalate	U		76	980	µg/Kg-dry	5	4/1/2013 13:06
Fluoranthene	**440**		**73**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Fluorene	U		54	180	µg/Kg-dry	5	4/1/2013 13:06
Hexachlorobenzene	U		56	980	µg/Kg-dry	5	4/1/2013 13:06
Hexachlorobutadiene	U		52	980	µg/Kg-dry	5	4/1/2013 13:06
Hexachlorocyclopentadiene	U		210	2,000	µg/Kg-dry	5	4/1/2013 13:06
Hexachloroethane	U		54	980	µg/Kg-dry	5	4/1/2013 13:06
Indeno(1,2,3-cd)pyrene	**120**	J	**120**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Isophorone	U		53	980	µg/Kg-dry	5	4/1/2013 13:06
Naphthalene	U		52	180	µg/Kg-dry	5	4/1/2013 13:06
Nitrobenzene	U		53	980	µg/Kg-dry	5	4/1/2013 13:06
N-Nitrosodi-n-propylamine	U		54	980	µg/Kg-dry	5	4/1/2013 13:06
N-Nitrosodiphenylamine	U		360	980	µg/Kg-dry	5	4/1/2013 13:06
Pentachlorophenol	U		91	2,000	µg/Kg-dry	5	4/1/2013 13:06
Phenanthrene	**290**		**180**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-5 (3-5')
Collection Date: 3/22/2013 11:40 AM

Work Order: 1303834
Lab ID: 1303834-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		52	980	µg/Kg-dry	5	4/1/2013 13:06
Pyrene	**360**		**77**	**180**	**µg/Kg-dry**	5	4/1/2013 13:06
Surr: 2,4,6-Tribromophenol	*72.7*			*34-140*	*%REC*	5	4/1/2013 13:06
Surr: 2-Fluorobiphenyl	*75.1*			*12-100*	*%REC*	5	4/1/2013 13:06
Surr: 2-Fluorophenol	*82.6*			*33-117*	*%REC*	5	4/1/2013 13:06
Surr: 4-Terphenyl-d14	*93.0*			*25-137*	*%REC*	5	4/1/2013 13:06
Surr: Nitrobenzene-d5	*75.8*			*37-107*	*%REC*	5	4/1/2013 13:06
Surr: Phenol-d6	*82.5*			*40-106*	*%REC*	5	4/1/2013 13:06
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,500		µg/Kg-dry	1	3/28/2013 06:39
Surr: Toluene-d8	*86.8*			*70-130*	*%REC*	1	3/28/2013 06:39
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.22	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,1,2,2-Tetrachloroethane	U		0.14	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,1,2-Trichloroethane	U		0.19	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,1,2-Trichlorotrifluoroethane	U		0.28	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,1-Dichloroethane	U		0.25	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,1-Dichloroethene	U		0.22	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,2,4-Trichlorobenzene	U		0.21	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,2-Dibromo-3-chloropropane	U		0.20	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,2-Dibromoethane	U		0.20	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,2-Dichlorobenzene	U		0.20	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,2-Dichloroethane	U		0.28	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,2-Dichloropropane	U		0.26	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,3-Dichlorobenzene	U		0.19	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
1,4-Dichlorobenzene	U		0.21	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
2-Butanone	**2.7**	J	**0.76**	**9.9**	**µg/Kg-dry**	0.803	3/28/2013 18:24
2-Hexanone	U		0.30	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
4-Methyl-2-pentanone	U		0.20	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Acetone	**28**		**0.93**	**9.9**	**µg/Kg-dry**	0.803	3/28/2013 18:24
Benzene	U		0.25	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Bromodichloromethane	U		0.20	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Bromoform	U		0.15	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Bromomethane	U		0.35	9.9	µg/Kg-dry	0.803	3/28/2013 18:24
Carbon disulfide	**0.42**	J	**0.37**	**5.0**	**µg/Kg-dry**	0.803	3/28/2013 18:24
Carbon tetrachloride	U		0.20	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Chlorobenzene	U		0.22	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Chloroethane	U		0.56	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Chloroform	**0.51**	J	**0.26**	**5.0**	**µg/Kg-dry**	0.803	3/28/2013 18:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-5 (3-5')
Collection Date: 3/22/2013 11:40 AM

Work Order: 1303834
Lab ID: 1303834-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.30	9.9	µg/Kg-dry	0.803	3/28/2013 18:24
cis-1,2-Dichloroethene	U		0.29	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
cis-1,3-Dichloropropene	U		0.18	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Cyclohexane	U		0.32	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Dibromochloromethane	U		0.17	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Dichlorodifluoromethane	U		0.33	9.9	µg/Kg-dry	0.803	3/28/2013 18:24
Ethylbenzene	U		0.19	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Isopropylbenzene	U		0.19	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
m,p-Xylene	U		0.37	2.5	µg/Kg-dry	0.803	3/28/2013 18:24
Methyl acetate	U		0.80	9.9	µg/Kg-dry	0.803	3/28/2013 18:24
Methyl tert-butyl ether	U		0.25	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Methylcyclohexane	U		0.28	9.9	µg/Kg-dry	0.803	3/28/2013 18:24
Methylene chloride	**0.78**	J	**0.28**	**5.0**	**µg/Kg-dry**	0.803	3/28/2013 18:24
o-Xylene	U		0.20	2.5	µg/Kg-dry	0.803	3/28/2013 18:24
Styrene	U		0.18	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Tetrachloroethene	U		0.30	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Toluene	U		0.23	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
trans-1,2-Dichloroethene	U		0.29	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
trans-1,3-Dichloropropene	U		0.18	9.9	µg/Kg-dry	0.803	3/28/2013 18:24
Trichloroethene	U		0.23	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Trichlorofluoromethane	U		1.2	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Vinyl chloride	U		0.30	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Xylenes, Total	U		0.57	5.0	µg/Kg-dry	0.803	3/28/2013 18:24
Surr: 1,2-Dichloroethane-d4	*106*			*70-120*	*%REC*	0.803	3/28/2013 18:24
Surr: 4-Bromofluorobenzene	*109*			*75-120*	*%REC*	0.803	3/28/2013 18:24
Surr: Dibromofluoromethane	*12.5*	S		*85-115*	*%REC*	0.803	3/28/2013 18:24
Surr: Toluene-d8	*98.0*			*85-120*	*%REC*	0.803	3/28/2013 18:24
MOISTURE		Method: **A2540 G**					Analyst: **DC**
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (6-8')
Collection Date: 3/22/2013 12:15 PM

Work Order: 1303834
Lab ID: 1303834-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/29/13		Analyst: **LR**
Mercury	**0.047**		**0.00089**	**0.018**	**mg/Kg-dry**	1	3/29/2013 13:49
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/28/13		Analyst: **RH**
Arsenic	**6.5**		**0.071**	**0.52**	**mg/Kg-dry**	1	3/29/2013 17:51
Barium	**300**		**0.15**	**5.2**	**mg/Kg-dry**	10	4/1/2013 21:06
Cadmium	**0.27**		**0.0021**	**0.21**	**mg/Kg-dry**	1	3/29/2013 17:51
Chromium	**18**		**0.085**	**0.52**	**mg/Kg-dry**	1	3/29/2013 17:51
Lead	**17**		**0.0021**	**0.52**	**mg/Kg-dry**	1	3/29/2013 17:51
Selenium	**1.1**		**0.067**	**0.52**	**mg/Kg-dry**	1	3/29/2013 17:51
Silver	**0.033**	J	**0.0021**	**0.52**	**mg/Kg-dry**	1	3/29/2013 17:51
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		1.6	3.7	mg/Kg-dry	1	4/1/2013 09:36
ORO (C21-C35)	**18**		**1.8**	**3.7**	**mg/Kg-dry**	1	4/1/2013 09:36
Surr: 4-Terphenyl-d14	*99.1*			*25-137*	*%REC*	1	4/1/2013 09:36
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		6.4	420	µg/Kg-dry	1	4/1/2013 09:36
2,4,5-Trichlorophenol	U		10	210	µg/Kg-dry	1	4/1/2013 09:36
2,4,6-Trichlorophenol	U		10	210	µg/Kg-dry	1	4/1/2013 09:36
2,4-Dichlorophenol	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
2,4-Dimethylphenol	U		52	420	µg/Kg-dry	1	4/1/2013 09:36
2,4-Dinitrophenol	U		54	850	µg/Kg-dry	1	4/1/2013 09:36
2,4-Dinitrotoluene	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
2,6-Dinitrotoluene	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
2-Chloronaphthalene	U		12	100	µg/Kg-dry	1	4/1/2013 09:36
2-Chlorophenol	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
2-Methylnaphthalene	U		13	100	µg/Kg-dry	1	4/1/2013 09:36
2-Methylphenol	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
2-Nitroaniline	U		9.8	850	µg/Kg-dry	1	4/1/2013 09:36
2-Nitrophenol	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
3,3´-Dichlorobenzidine	U		12	850	µg/Kg-dry	1	4/1/2013 09:36
3-Nitroaniline	U		100	850	µg/Kg-dry	1	4/1/2013 09:36
4,6-Dinitro-2-methylphenol	U		62	420	µg/Kg-dry	1	4/1/2013 09:36
4-Bromophenyl phenyl ether	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
4-Chloro-3-methylphenol	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
4-Chloroaniline	U		16	850	µg/Kg-dry	1	4/1/2013 09:36
4-Chlorophenyl phenyl ether	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
4-Methylphenol	U		13	210	µg/Kg-dry	1	4/1/2013 09:36
4-Nitroaniline	U		19	850	µg/Kg-dry	1	4/1/2013 09:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (6-8')
Collection Date: 3/22/2013 12:15 PM

Work Order: 1303834
Lab ID: 1303834-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		52	850	µg/Kg-dry	1	4/1/2013 09:36
Acenaphthene	U		12	39	µg/Kg-dry	1	4/1/2013 09:36
Acenaphthylene	U		12	39	µg/Kg-dry	1	4/1/2013 09:36
Acetophenone	U		6.4	420	µg/Kg-dry	1	4/1/2013 09:36
Anthracene	U		13	39	µg/Kg-dry	1	4/1/2013 09:36
Atrazine	U		13	420	µg/Kg-dry	1	4/1/2013 09:36
Benzaldehyde	U		16	420	µg/Kg-dry	1	4/1/2013 09:36
Benzo(a)anthracene	**49**		**16**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Benzo(a)pyrene	**44**		**20**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Benzo(b)fluoranthene	**60**		**21**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Benzo(g,h,i)perylene	**33**	J	**30**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Benzo(k)fluoranthene	**24**	J	**17**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Bis(2-chloroethoxy)methane	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
Bis(2-chloroethyl)ether	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
Bis(2-chloroisopropyl)ether	U		10	210	µg/Kg-dry	1	4/1/2013 09:36
Bis(2-ethylhexyl)phthalate	U		13	420	µg/Kg-dry	1	4/1/2013 09:36
Butyl benzyl phthalate	U		18	210	µg/Kg-dry	1	4/1/2013 09:36
Caprolactam	U		19	420	µg/Kg-dry	1	4/1/2013 09:36
Carbazole	U		15	210	µg/Kg-dry	1	4/1/2013 09:36
Chrysene	**54**		**15**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Dibenzo(a,h)anthracene	U		22	39	µg/Kg-dry	1	4/1/2013 09:36
Dibenzofuran	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
Diethyl phthalate	U		11	420	µg/Kg-dry	1	4/1/2013 09:36
Dimethyl phthalate	U		11	420	µg/Kg-dry	1	4/1/2013 09:36
Di-n-butyl phthalate	U		13	420	µg/Kg-dry	1	4/1/2013 09:36
Di-n-octyl phthalate	U		16	210	µg/Kg-dry	1	4/1/2013 09:36
Fluoranthene	**110**		**15**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Fluorene	U		11	39	µg/Kg-dry	1	4/1/2013 09:36
Hexachlorobenzene	U		12	210	µg/Kg-dry	1	4/1/2013 09:36
Hexachlorobutadiene	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
Hexachlorocyclopentadiene	U		45	420	µg/Kg-dry	1	4/1/2013 09:36
Hexachloroethane	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
Indeno(1,2,3-cd)pyrene	**27**	J	**24**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Isophorone	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
Naphthalene	U		11	39	µg/Kg-dry	1	4/1/2013 09:36
Nitrobenzene	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
N-Nitrosodi-n-propylamine	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
N-Nitrosodiphenylamine	U		76	210	µg/Kg-dry	1	4/1/2013 09:36
Pentachlorophenol	U		19	420	µg/Kg-dry	1	4/1/2013 09:36
Phenanthrene	**62**		**39**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (6-8')
Collection Date: 3/22/2013 12:15 PM

Work Order: 1303834
Lab ID: 1303834-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		11	210	µg/Kg-dry	1	4/1/2013 09:36
Pyrene	**85**		**16**	**39**	**µg/Kg-dry**	1	4/1/2013 09:36
Surr: 2,4,6-Tribromophenol	*80.5*			*34-140*	*%REC*	1	4/1/2013 09:36
Surr: 2-Fluorobiphenyl	*77.1*			*12-100*	*%REC*	1	4/1/2013 09:36
Surr: 2-Fluorophenol	*90.3*			*33-117*	*%REC*	1	4/1/2013 09:36
Surr: 4-Terphenyl-d14	*99.1*			*25-137*	*%REC*	1	4/1/2013 09:36
Surr: Nitrobenzene-d5	*81.8*			*37-107*	*%REC*	1	4/1/2013 09:36
Surr: Phenol-d6	*89.2*			*40-106*	*%REC*	1	4/1/2013 09:36
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,600		µg/Kg-dry	1	3/28/2013 07:02
Surr: Toluene-d8	*87.2*			*70-130*	*%REC*	1	3/28/2013 07:02
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.26	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,1,2,2-Tetrachloroethane	U		0.17	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,1,2-Trichloroethane	U		0.23	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,1,2-Trichlorotrifluoroethane	U		0.33	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,1-Dichloroethane	U		0.30	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,1-Dichloroethene	U		0.27	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,2,4-Trichlorobenzene	U		0.24	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,2-Dibromo-3-chloropropane	U		0.23	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,2-Dibromoethane	U		0.24	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,2-Dichlorobenzene	U		0.24	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,2-Dichloroethane	U		0.32	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,2-Dichloropropane	U		0.30	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,3-Dichlorobenzene	U		0.22	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
1,4-Dichlorobenzene	U		0.25	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
2-Butanone	**3.7**	J	**0.90**	**12**	**µg/Kg-dry**	0.906	3/28/2013 18:52
2-Hexanone	U		0.35	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
4-Methyl-2-pentanone	U		0.23	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Acetone	**30**		**1.1**	**12**	**µg/Kg-dry**	0.906	3/28/2013 18:52
Benzene	U		0.29	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Bromodichloromethane	U		0.24	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Bromoform	U		0.18	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Bromomethane	U		0.41	12	µg/Kg-dry	0.906	3/28/2013 18:52
Carbon disulfide	**0.53**	J	**0.43**	**5.9**	**µg/Kg-dry**	0.906	3/28/2013 18:52
Carbon tetrachloride	U		0.24	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Chlorobenzene	U		0.26	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Chloroethane	U		0.66	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Chloroform	**0.66**	J	**0.31**	**5.9**	**µg/Kg-dry**	0.906	3/28/2013 18:52

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (6-8')
Collection Date: 3/22/2013 12:15 PM

Work Order: 1303834
Lab ID: 1303834-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.36	12	µg/Kg-dry	0.906	3/28/2013 18:52
cis-1,2-Dichloroethene	U		0.35	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
cis-1,3-Dichloropropene	U		0.21	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Cyclohexane	U		0.37	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Dibromochloromethane	U		0.20	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Dichlorodifluoromethane	U		0.39	12	µg/Kg-dry	0.906	3/28/2013 18:52
Ethylbenzene	U		0.23	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Isopropylbenzene	U		0.23	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
m,p-Xylene	U		0.44	2.9	µg/Kg-dry	0.906	3/28/2013 18:52
Methyl acetate	U		0.94	12	µg/Kg-dry	0.906	3/28/2013 18:52
Methyl tert-butyl ether	U		0.30	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Methylcyclohexane	U		0.33	12	µg/Kg-dry	0.906	3/28/2013 18:52
Methylene chloride	**1.1**	J	**0.33**	**5.9**	**µg/Kg-dry**	0.906	3/28/2013 18:52
o-Xylene	U		0.23	2.9	µg/Kg-dry	0.906	3/28/2013 18:52
Styrene	U		0.21	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Tetrachloroethene	U		0.35	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Toluene	U		0.28	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
trans-1,2-Dichloroethene	U		0.34	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
trans-1,3-Dichloropropene	U		0.22	12	µg/Kg-dry	0.906	3/28/2013 18:52
Trichloroethene	U		0.27	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Trichlorofluoromethane	U		1.4	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Vinyl chloride	U		0.36	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Xylenes, Total	U		0.68	5.9	µg/Kg-dry	0.906	3/28/2013 18:52
Surr: 1,2-Dichloroethane-d4	*113*			*70-120*	*%REC*	0.906	3/28/2013 18:52
Surr: 4-Bromofluorobenzene	*107*			*75-120*	*%REC*	0.906	3/28/2013 18:52
Surr: Dibromofluoromethane	*7.85*	S		*85-115*	*%REC*	0.906	3/28/2013 18:52
Surr: Toluene-d8	*99.4*			*85-120*	*%REC*	0.906	3/28/2013 18:52
MOISTURE		Method:	**A2540 G**				Analyst: **DC**
Moisture	**23**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (11-13')
Collection Date: 3/22/2013 12:20 PM

Work Order: 1303834
Lab ID: 1303834-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA		Method: **SW7471**			Prep: SW7471 / 3/29/13		Analyst: **LR**
Mercury	**0.042**		**0.00093**	**0.019**	**mg/Kg-dry**	1	3/29/2013 13:51
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3050B / 3/28/13		Analyst: **RH**
Arsenic	**5.5**		**0.062**	**0.45**	**mg/Kg-dry**	1	3/29/2013 18:21
Barium	**250**		**0.13**	**4.5**	**mg/Kg-dry**	10	4/1/2013 21:12
Cadmium	**0.33**		**0.0018**	**0.18**	**mg/Kg-dry**	1	4/1/2013 21:18
Chromium	**13**		**0.074**	**0.45**	**mg/Kg-dry**	1	3/29/2013 18:21
Lead	**43**		**0.0018**	**0.45**	**mg/Kg-dry**	1	4/1/2013 21:18
Selenium	**0.75**		**0.058**	**0.45**	**mg/Kg-dry**	1	3/29/2013 18:21
Silver	**0.032**	J	**0.0018**	**0.45**	**mg/Kg-dry**	1	4/1/2013 21:18
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		7.6	18	mg/Kg-dry	5	4/1/2013 13:36
ORO (C21-C35)	**100**		**8.5**	**18**	**mg/Kg-dry**	5	4/1/2013 13:36
Surr: 4-Terphenyl-d14	*92.3*			*25-137*	*%REC*	5	4/1/2013 13:36
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3541 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		30	2,000	µg/Kg-dry	5	4/1/2013 13:36
2,4,5-Trichlorophenol	U		48	970	µg/Kg-dry	5	4/1/2013 13:36
2,4,6-Trichlorophenol	U		48	970	µg/Kg-dry	5	4/1/2013 13:36
2,4-Dichlorophenol	U		59	970	µg/Kg-dry	5	4/1/2013 13:36
2,4-Dimethylphenol	U		250	2,000	µg/Kg-dry	5	4/1/2013 13:36
2,4-Dinitrophenol	U		260	4,000	µg/Kg-dry	5	4/1/2013 13:36
2,4-Dinitrotoluene	U		54	970	µg/Kg-dry	5	4/1/2013 13:36
2,6-Dinitrotoluene	U		57	970	µg/Kg-dry	5	4/1/2013 13:36
2-Chloronaphthalene	U		55	490	µg/Kg-dry	5	4/1/2013 13:36
2-Chlorophenol	U		54	970	µg/Kg-dry	5	4/1/2013 13:36
2-Methylnaphthalene	U		60	490	µg/Kg-dry	5	4/1/2013 13:36
2-Methylphenol	U		58	970	µg/Kg-dry	5	4/1/2013 13:36
2-Nitroaniline	U		46	4,000	µg/Kg-dry	5	4/1/2013 13:36
2-Nitrophenol	U		53	970	µg/Kg-dry	5	4/1/2013 13:36
3,3´-Dichlorobenzidine	U		57	4,000	µg/Kg-dry	5	4/1/2013 13:36
3-Nitroaniline	U		490	4,000	µg/Kg-dry	5	4/1/2013 13:36
4,6-Dinitro-2-methylphenol	U		290	2,000	µg/Kg-dry	5	4/1/2013 13:36
4-Bromophenyl phenyl ether	U		53	970	µg/Kg-dry	5	4/1/2013 13:36
4-Chloro-3-methylphenol	U		55	970	µg/Kg-dry	5	4/1/2013 13:36
4-Chloroaniline	U		77	4,000	µg/Kg-dry	5	4/1/2013 13:36
4-Chlorophenyl phenyl ether	U		55	970	µg/Kg-dry	5	4/1/2013 13:36
4-Methylphenol	U		60	970	µg/Kg-dry	5	4/1/2013 13:36
4-Nitroaniline	U		90	4,000	µg/Kg-dry	5	4/1/2013 13:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (11-13')
Collection Date: 3/22/2013 12:20 PM

Work Order: 1303834
Lab ID: 1303834-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
4-Nitrophenol	U		250	4,000	µg/Kg-dry	5	4/1/2013 13:36
Acenaphthene	**120**	J	**55**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Acenaphthylene	**150**	J	**57**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Acetophenone	U		30	2,000	µg/Kg-dry	5	4/1/2013 13:36
Anthracene	**360**		**62**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Atrazine	U		61	2,000	µg/Kg-dry	5	4/1/2013 13:36
Benzaldehyde	U		77	2,000	µg/Kg-dry	5	4/1/2013 13:36
Benzo(a)anthracene	**850**		**74**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Benzo(a)pyrene	**830**		**94**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Benzo(b)fluoranthene	**1,100**		**98**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Benzo(g,h,i)perylene	**480**		**140**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Benzo(k)fluoranthene	**360**		**83**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Bis(2-chloroethoxy)methane	U		50	970	µg/Kg-dry	5	4/1/2013 13:36
Bis(2-chloroethyl)ether	U		51	970	µg/Kg-dry	5	4/1/2013 13:36
Bis(2-chloroisopropyl)ether	U		47	970	µg/Kg-dry	5	4/1/2013 13:36
Bis(2-ethylhexyl)phthalate	U		60	2,000	µg/Kg-dry	5	4/1/2013 13:36
Butyl benzyl phthalate	U		84	970	µg/Kg-dry	5	4/1/2013 13:36
Caprolactam	U		88	2,000	µg/Kg-dry	5	4/1/2013 13:36
Carbazole	U		69	970	µg/Kg-dry	5	4/1/2013 13:36
Chrysene	**870**		**69**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Dibenzo(a,h)anthracene	**140**	J	**100**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Dibenzofuran	**110**	J	**55**	**970**	**µg/Kg-dry**	5	4/1/2013 13:36
Diethyl phthalate	U		50	2,000	µg/Kg-dry	5	4/1/2013 13:36
Dimethyl phthalate	U		51	2,000	µg/Kg-dry	5	4/1/2013 13:36
Di-n-butyl phthalate	U		61	2,000	µg/Kg-dry	5	4/1/2013 13:36
Di-n-octyl phthalate	U		75	970	µg/Kg-dry	5	4/1/2013 13:36
Fluoranthene	**2,000**		**72**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Fluorene	**190**		**53**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Hexachlorobenzene	U		55	970	µg/Kg-dry	5	4/1/2013 13:36
Hexachlorobutadiene	U		51	970	µg/Kg-dry	5	4/1/2013 13:36
Hexachlorocyclopentadiene	U		210	2,000	µg/Kg-dry	5	4/1/2013 13:36
Hexachloroethane	U		53	970	µg/Kg-dry	5	4/1/2013 13:36
Indeno(1,2,3-cd)pyrene	**430**		**110**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Isophorone	U		53	970	µg/Kg-dry	5	4/1/2013 13:36
Naphthalene	U		52	180	µg/Kg-dry	5	4/1/2013 13:36
Nitrobenzene	U		52	970	µg/Kg-dry	5	4/1/2013 13:36
N-Nitrosodi-n-propylamine	U		53	970	µg/Kg-dry	5	4/1/2013 13:36
N-Nitrosodiphenylamine	U		360	970	µg/Kg-dry	5	4/1/2013 13:36
Pentachlorophenol	U		90	2,000	µg/Kg-dry	5	4/1/2013 13:36
Phenanthrene	**1,500**		**180**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (11-13')
Collection Date: 3/22/2013 12:20 PM

Work Order: 1303834
Lab ID: 1303834-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	U		51	970	µg/Kg-dry	5	4/1/2013 13:36
Pyrene	**1,600**		**76**	**180**	**µg/Kg-dry**	5	4/1/2013 13:36
Surr: 2,4,6-Tribromophenol	*74.6*			*34-140*	*%REC*	5	4/1/2013 13:36
Surr: 2-Fluorobiphenyl	*78.1*			*12-100*	*%REC*	5	4/1/2013 13:36
Surr: 2-Fluorophenol	*79.5*			*33-117*	*%REC*	5	4/1/2013 13:36
Surr: 4-Terphenyl-d14	*92.3*			*25-137*	*%REC*	5	4/1/2013 13:36
Surr: Nitrobenzene-d5	*74.0*			*37-107*	*%REC*	5	4/1/2013 13:36
Surr: Phenol-d6	*81.8*			*40-106*	*%REC*	5	4/1/2013 13:36
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**		Prep: SW5035 / 3/27/13		Analyst: **AK**
GRO (C6-C10)	U		1,500		µg/Kg-dry	1	3/28/2013 07:25
Surr: Toluene-d8	*87.9*			*70-130*	*%REC*	1	3/28/2013 07:25
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **AK**
1,1,1-Trichloroethane	U		0.23	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,1,2,2-Tetrachloroethane	U		0.15	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,1,2-Trichloroethane	U		0.20	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,1,2-Trichlorotrifluoroethane	U		0.29	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,1-Dichloroethane	U		0.27	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,1-Dichloroethene	U		0.24	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,2,4-Trichlorobenzene	U		0.22	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,2-Dibromo-3-chloropropane	U		0.21	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,2-Dibromoethane	U		0.21	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,2-Dichlorobenzene	U		0.21	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,2-Dichloroethane	U		0.29	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,2-Dichloropropane	U		0.27	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,3-Dichlorobenzene	U		0.20	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
1,4-Dichlorobenzene	U		0.22	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
2-Butanone	**4.1**	J	**0.80**	**10**	**µg/Kg-dry**	0.846	3/28/2013 19:19
2-Hexanone	U		0.31	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
4-Methyl-2-pentanone	U		0.21	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Acetone	**20**		**0.98**	**10**	**µg/Kg-dry**	0.846	3/28/2013 19:19
Benzene	U		0.26	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Bromodichloromethane	U		0.22	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Bromoform	U		0.16	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Bromomethane	U		0.37	10	µg/Kg-dry	0.846	3/28/2013 19:19
Carbon disulfide	**0.43**	J	**0.38**	**5.2**	**µg/Kg-dry**	0.846	3/28/2013 19:19
Carbon tetrachloride	U		0.21	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Chlorobenzene	U		0.23	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Chloroethane	U		0.59	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Chloroform	**0.56**	J	**0.27**	**5.2**	**µg/Kg-dry**	0.846	3/28/2013 19:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: SB-6 (11-13')
Collection Date: 3/22/2013 12:20 PM

Work Order: 1303834
Lab ID: 1303834-10
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		0.32	10	µg/Kg-dry	0.846	3/28/2013 19:19
cis-1,2-Dichloroethene	U		0.31	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
cis-1,3-Dichloropropene	U		0.19	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Cyclohexane	U		0.33	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Dibromochloromethane	U		0.18	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Dichlorodifluoromethane	U		0.35	10	µg/Kg-dry	0.846	3/28/2013 19:19
Ethylbenzene	U		0.20	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Isopropylbenzene	U		0.20	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
m,p-Xylene	U		0.39	2.6	µg/Kg-dry	0.846	3/28/2013 19:19
Methyl acetate	U		0.84	10	µg/Kg-dry	0.846	3/28/2013 19:19
Methyl tert-butyl ether	U		0.26	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Methylcyclohexane	U		0.29	10	µg/Kg-dry	0.846	3/28/2013 19:19
Methylene chloride	**0.79**	J	**0.30**	**5.2**	**µg/Kg-dry**	0.846	3/28/2013 19:19
o-Xylene	U		0.21	2.6	µg/Kg-dry	0.846	3/28/2013 19:19
Styrene	U		0.19	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Tetrachloroethene	U		0.31	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Toluene	U		0.25	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
trans-1,2-Dichloroethene	U		0.31	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
trans-1,3-Dichloropropene	U		0.19	10	µg/Kg-dry	0.846	3/28/2013 19:19
Trichloroethene	U		0.24	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Trichlorofluoromethane	U		1.2	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Vinyl chloride	U		0.32	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Xylenes, Total	U		0.60	5.2	µg/Kg-dry	0.846	3/28/2013 19:19
Surr: 1,2-Dichloroethane-d4	*105*			*70-120*	*%REC*	0.846	3/28/2013 19:19
Surr: 4-Bromofluorobenzene	*112*			*75-120*	*%REC*	0.846	3/28/2013 19:19
Surr: Dibromofluoromethane	*7.95*	S		*85-115*	*%REC*	0.846	3/28/2013 19:19
Surr: Toluene-d8	*98.5*			*85-120*	*%REC*	0.846	3/28/2013 19:19
MOISTURE		Method: **A2540 G**					Analyst: **DC**
Moisture	**19**		**0.025**	**0.050**	**% of sample**	1	3/27/2013 15:35

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Field Blank
Collection Date: 3/22/2013 05:30 PM

Work Order: 1303834
Lab ID: 1303834-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/27/13		Analyst: **RM**
2,4,5-T	U		0.036	0.10	µg/L	1	4/1/2013 14:52
2,4,5-TP (Silvex)	U		0.068	0.20	µg/L	1	4/1/2013 14:52
2,4-D	U		0.083	0.20	µg/L	1	4/1/2013 14:52
2,4-DB	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dalapon	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dicamba	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dichlorprop	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dinoseb	U		0.050	0.10	µg/L	1	4/1/2013 14:52
MCPA	U		0.10	0.20	µg/L	1	4/1/2013 14:52
MCPP	U		0.10	0.20	µg/L	1	4/1/2013 14:52
Surr: DCAA	*84.6*			*30-150*	*%REC*	1	4/1/2013 14:52
PESTICIDES		Method: **SW8081**			Prep: SW3510 / 3/29/13		Analyst: **RM**
4,4´-DDD	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
4,4´-DDE	U		0.0025	0.020	µg/L	1	4/1/2013 16:08
4,4´-DDT	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
Aldrin	U		0.0054	0.010	µg/L	1	4/1/2013 16:08
alpha-BHC	U		0.0028	0.010	µg/L	1	4/1/2013 16:08
alpha-Chlordane	U		0.0038	0.020	µg/L	1	4/1/2013 16:08
beta-BHC	U		0.0066	0.010	µg/L	1	4/1/2013 16:08
Chlordane, Technical	U		0.022	0.50	µg/L	1	4/1/2013 16:08
delta-BHC	U		0.0026	0.010	µg/L	1	4/1/2013 16:08
Dieldrin	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
Endosulfan I	U		0.0024	0.020	µg/L	1	4/1/2013 16:08
Endosulfan II	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
Endosulfan sulfate	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
Endrin	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
Endrin aldehyde	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
Endrin ketone	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
gamma-BHC (Lindane)	U		0.0030	0.010	µg/L	1	4/1/2013 16:08
gamma-Chlordane	U		0.0030	0.020	µg/L	1	4/1/2013 16:08
Heptachlor	U		0.0083	0.010	µg/L	1	4/1/2013 16:08
Heptachlor epoxide	U		0.0030	0.010	µg/L	1	4/1/2013 16:08
Methoxychlor	U		0.0030	0.040	µg/L	1	4/1/2013 16:08
Toxaphene	U		0.042	2.0	µg/L	1	4/1/2013 16:08
Surr: Decachlorobiphenyl	*78.0*			*30-145*	*%REC*	1	4/1/2013 16:08
Surr: Tetrachloro-m-xylene	*80.0*			*25-140*	*%REC*	1	4/1/2013 16:08
MERCURY BY CVAA		Method: **SW7470**			Prep: SW7470 / 3/29/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Field Blank
Collection Date: 3/22/2013 05:30 PM

Work Order: 1303834
Lab ID: 1303834-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	U		0.00010	0.00020	mg/L	1	3/29/2013 12:27
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3005A / 3/27/13		Analyst: **RH**
Arsenic	U		0.00058	0.0050	mg/L	1	3/27/2013 18:52
Barium	**0.00020**	J	**0.000063**	**0.0050**	**mg/L**	1	3/27/2013 18:52
Cadmium	U		0.000045	0.0020	mg/L	1	3/27/2013 18:52
Chromium	**0.00062**	J	**0.00027**	**0.0050**	**mg/L**	1	3/27/2013 18:52
Lead	**0.00012**	J	**0.000051**	**0.0030**	**mg/L**	1	3/27/2013 18:52
Selenium	**0.00070**	J	**0.00064**	**0.0050**	**mg/L**	1	3/27/2013 18:52
Silver	U		0.000042	0.00020	mg/L	1	3/27/2013 18:52
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3510 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		0.013	0.10	mg/L	1	4/1/2013 08:07
ORO (C21-C35)	U		0.027	0.10	mg/L	1	4/1/2013 08:07
Surr: 4-Terphenyl-d14	*92.5*			*23-112*	*%REC*	1	4/1/2013 08:07
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3510 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	3/29/2013 06:16
2,4,5-Trichlorophenol	U		0.12	5.0	µg/L	1	3/29/2013 06:16
2,4,6-Trichlorophenol	U		0.11	5.0	µg/L	1	3/29/2013 06:16
2,4-Dichlorophenol	U		0.22	10	µg/L	1	3/29/2013 06:16
2,4-Dimethylphenol	U		0.24	5.0	µg/L	1	3/29/2013 06:16
2,4-Dinitrophenol	U		0.76	5.0	µg/L	1	3/29/2013 06:16
2,4-Dinitrotoluene	U		0.78	5.0	µg/L	1	3/29/2013 06:16
2,6-Dinitrotoluene	U		0.82	5.0	µg/L	1	3/29/2013 06:16
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	3/29/2013 06:16
2-Chlorophenol	U		0.73	5.0	µg/L	1	3/29/2013 06:16
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	3/29/2013 06:16
2-Methylphenol	U		0.60	5.0	µg/L	1	3/29/2013 06:16
2-Nitroaniline	U		0.11	20	µg/L	1	3/29/2013 06:16
2-Nitrophenol	U		0.19	5.0	µg/L	1	3/29/2013 06:16
3,3´-Dichlorobenzidine	U		0.54	5.0	µg/L	1	3/29/2013 06:16
3-Nitroaniline	U		2.5	20	µg/L	1	3/29/2013 06:16
4,6-Dinitro-2-methylphenol	U		0.34	20	µg/L	1	3/29/2013 06:16
4-Bromophenyl phenyl ether	U		0.11	5.0	µg/L	1	3/29/2013 06:16
4-Chloro-3-methylphenol	U		0.65	5.0	µg/L	1	3/29/2013 06:16
4-Chloroaniline	U		1.1	20	µg/L	1	3/29/2013 06:16
4-Chlorophenyl phenyl ether	U		0.11	5.0	µg/L	1	3/29/2013 06:16
4-Methylphenol	U		0.55	5.0	µg/L	1	3/29/2013 06:16
4-Nitroaniline	U		1.5	20	µg/L	1	3/29/2013 06:16
4-Nitrophenol	U		1.6	20	µg/L	1	3/29/2013 06:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Field Blank
Collection Date: 3/22/2013 05:30 PM

Work Order: 1303834
Lab ID: 1303834-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	U		0.11	5.0	µg/L	1	3/29/2013 06:16
Acenaphthylene	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Acetophenone	U		0.090	1.0	µg/L	1	3/29/2013 06:16
Anthracene	U		0.72	5.0	µg/L	1	3/29/2013 06:16
Atrazine	U		3.2	10	µg/L	1	3/29/2013 06:16
Benzaldehyde	U		0.46	1.0	µg/L	1	3/29/2013 06:16
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	3/29/2013 06:16
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	3/29/2013 06:16
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	3/29/2013 06:16
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	3/29/2013 06:16
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	3/29/2013 06:16
Bis(2-chloroethoxy)methane	U		0.13	5.0	µg/L	1	3/29/2013 06:16
Bis(2-chloroethyl)ether	U		0.11	5.0	µg/L	1	3/29/2013 06:16
Bis(2-chloroisopropyl)ether	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Bis(2-ethylhexyl)phthalate	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Butyl benzyl phthalate	**1.5**	J	**0.11**	**5.0**	**µg/L**	1	3/29/2013 06:16
Caprolactam	U		4.7	10	µg/L	1	3/29/2013 06:16
Carbazole	U		0.84	10	µg/L	1	3/29/2013 06:16
Chrysene	U		0.71	5.0	µg/L	1	3/29/2013 06:16
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	3/29/2013 06:16
Dibenzofuran	U		0.11	5.0	µg/L	1	3/29/2013 06:16
Diethyl phthalate	U		0.69	20	µg/L	1	3/29/2013 06:16
Dimethyl phthalate	U		0.14	20	µg/L	1	3/29/2013 06:16
Di-n-butyl phthalate	**0.92**	J	**0.71**	**5.0**	**µg/L**	1	3/29/2013 06:16
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Fluoranthene	U		0.77	5.0	µg/L	1	3/29/2013 06:16
Fluorene	U		0.10	5.0	µg/L	1	3/29/2013 06:16
Hexachlorobenzene	U		0.10	5.0	µg/L	1	3/29/2013 06:16
Hexachlorobutadiene	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	3/29/2013 06:16
Hexachloroethane	U		0.13	5.0	µg/L	1	3/29/2013 06:16
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	3/29/2013 06:16
Isophorone	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Naphthalene	U		0.12	5.0	µg/L	1	3/29/2013 06:16
Nitrobenzene	U		0.10	5.0	µg/L	1	3/29/2013 06:16
N-Nitrosodi-n-propylamine	U		0.13	5.0	µg/L	1	3/29/2013 06:16
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	3/29/2013 06:16
Pentachlorophenol	U		0.11	20	µg/L	1	3/29/2013 06:16
Phenanthrene	U		0.86	5.0	µg/L	1	3/29/2013 06:16
Phenol	U		0.094	5.0	µg/L	1	3/29/2013 06:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Field Blank
Collection Date: 3/22/2013 05:30 PM

Work Order: 1303834
Lab ID: 1303834-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	U		0.65	5.0	µg/L	1	3/29/2013 06:16
Surr: 2,4,6-Tribromophenol	*68.8*			*32-115*	*%REC*	1	3/29/2013 06:16
Surr: 2-Fluorobiphenyl	*68.4*			*32-100*	*%REC*	1	3/29/2013 06:16
Surr: 2-Fluorophenol	*39.7*			*22-59*	*%REC*	1	3/29/2013 06:16
Surr: 4-Terphenyl-d14	*89.3*			*23-112*	*%REC*	1	3/29/2013 06:16
Surr: Nitrobenzene-d5	*70.5*			*31-93*	*%REC*	1	3/29/2013 06:16
Surr: Phenol-d6	*21.1*			*13-36*	*%REC*	1	3/29/2013 06:16
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.14	1.0	µg/L	1	3/28/2013 02:46
1,1,2,2-Tetrachloroethane	U		0.13	1.0	µg/L	1	3/28/2013 02:46
1,1,2-Trichloroethane	U		0.084	1.0	µg/L	1	3/28/2013 02:46
1,1,2-Trichlorotrifluoroethane	U		0.18	1.0	µg/L	1	3/28/2013 02:46
1,1-Dichloroethane	U		0.11	1.0	µg/L	1	3/28/2013 02:46
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	3/28/2013 02:46
1,2,4-Trichlorobenzene	U		0.16	1.0	µg/L	1	3/28/2013 02:46
1,2-Dibromo-3-chloropropane	U		0.31	1.0	µg/L	1	3/28/2013 02:46
1,2-Dibromoethane	U		0.16	1.0	µg/L	1	3/28/2013 02:46
1,2-Dichlorobenzene	U		0.13	1.0	µg/L	1	3/28/2013 02:46
1,2-Dichloroethane	U		0.15	1.0	µg/L	1	3/28/2013 02:46
1,2-Dichloropropane	U		0.13	2.0	µg/L	1	3/28/2013 02:46
1,3-Dichlorobenzene	U		0.16	2.0	µg/L	1	3/28/2013 02:46
1,4-Dichlorobenzene	U		0.15	2.0	µg/L	1	3/28/2013 02:46
2-Butanone	U		0.22	5.0	µg/L	1	3/28/2013 02:46
2-Hexanone	U		0.12	5.0	µg/L	1	3/28/2013 02:46
4-Methyl-2-pentanone	U		0.096	5.0	µg/L	1	3/28/2013 02:46
Acetone	U		0.33	20	µg/L	1	3/28/2013 02:46
Benzene	U		0.18	1.0	µg/L	1	3/28/2013 02:46
Bromodichloromethane	U		0.12	1.0	µg/L	1	3/28/2013 02:46
Bromoform	U		0.15	1.0	µg/L	1	3/28/2013 02:46
Bromomethane	U		0.21	1.0	µg/L	1	3/28/2013 02:46
Carbon disulfide	U		0.17	2.5	µg/L	1	3/28/2013 02:46
Carbon tetrachloride	U		0.12	1.0	µg/L	1	3/28/2013 02:46
Chlorobenzene	U		0.13	1.0	µg/L	1	3/28/2013 02:46
Chloroethane	U		0.46	1.0	µg/L	1	3/28/2013 02:46
Chloroform	U		0.15	1.0	µg/L	1	3/28/2013 02:46
Chloromethane	U		0.16	1.0	µg/L	1	3/28/2013 02:46
cis-1,2-Dichloroethene	U		0.11	1.0	µg/L	1	3/28/2013 02:46
cis-1,3-Dichloropropene	U		0.081	1.0	µg/L	1	3/28/2013 02:46
Cyclohexane	U		0.22	5.0	µg/L	1	3/28/2013 02:46

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Field Blank
Collection Date: 3/22/2013 05:30 PM

Work Order: 1303834
Lab ID: 1303834-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibromochloromethane	U		0.13	1.0	µg/L	1	3/28/2013 02:46
Dichlorodifluoromethane	U		0.20	1.0	µg/L	1	3/28/2013 02:46
Ethylbenzene	U		0.13	1.0	µg/L	1	3/28/2013 02:46
GRO (C6-C10)	U		25	100	µg/L	1	3/28/2013 02:46
Isopropylbenzene	U		0.14	1.0	µg/L	1	3/28/2013 02:46
m,p-Xylene	U		0.20	2.0	µg/L	1	3/28/2013 02:46
Methyl acetate	U		0.19	2.0	µg/L	1	3/28/2013 02:46
Methyl tert-butyl ether	U		0.070	5.0	µg/L	1	3/28/2013 02:46
Methylcyclohexane	U		0.99	5.0	µg/L	1	3/28/2013 02:46
Methylene chloride	U		0.19	5.0	µg/L	1	3/28/2013 02:46
o-Xylene	U		0.086	1.0	µg/L	1	3/28/2013 02:46
Styrene	U		0.11	1.0	µg/L	1	3/28/2013 02:46
Tetrachloroethene	U		0.15	2.0	µg/L	1	3/28/2013 02:46
Toluene	U		0.12	1.0	µg/L	1	3/28/2013 02:46
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	3/28/2013 02:46
trans-1,3-Dichloropropene	U		0.15	1.0	µg/L	1	3/28/2013 02:46
Trichloroethene	U		0.14	1.0	µg/L	1	3/28/2013 02:46
Trichlorofluoromethane	U		0.18	1.0	µg/L	1	3/28/2013 02:46
Vinyl chloride	U		0.17	1.0	µg/L	1	3/28/2013 02:46
Xylenes, Total	U		0.29	3.0	µg/L	1	3/28/2013 02:46
Surr: 1,2-Dichloroethane-d4	*97.8*			*70-120*	*%REC*	1	3/28/2013 02:46
Surr: 4-Bromofluorobenzene	*98.8*			*75-120*	*%REC*	1	3/28/2013 02:46
Surr: Dibromofluoromethane	*100*			*85-115*	*%REC*	1	3/28/2013 02:46
Surr: Toluene-d8	*96.0*			*85-120*	*%REC*	1	3/28/2013 02:46
Surr: Toluene-d8	*89.1*			*85-120*	*%REC*	1	3/28/2013 02:46

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Rinsate Blank
Collection Date: 3/22/2013 06:00 PM

Work Order: 1303834
Lab ID: 1303834-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
HERBICIDES		Method: **SW8151**			Prep: SW8151M / 3/27/13		Analyst: **RM**
2,4,5-T	U		0.036	0.10	µg/L	1	4/1/2013 14:52
2,4,5-TP (Silvex)	U		0.068	0.20	µg/L	1	4/1/2013 14:52
2,4-D	U		0.083	0.20	µg/L	1	4/1/2013 14:52
2,4-DB	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dalapon	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dicamba	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dichlorprop	U		0.050	0.10	µg/L	1	4/1/2013 14:52
Dinoseb	U		0.050	0.10	µg/L	1	4/1/2013 14:52
MCPA	U		0.10	0.20	µg/L	1	4/1/2013 14:52
MCPP	U		0.10	0.20	µg/L	1	4/1/2013 14:52
Surr: DCAA	*66.0*			*30-150*	*%REC*	1	4/1/2013 14:52
PESTICIDES		Method: **SW8081**			Prep: SW3510 / 3/29/13		Analyst: **RM**
4,4´-DDD	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
4,4´-DDE	U		0.0025	0.020	µg/L	1	4/1/2013 16:08
4,4´-DDT	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
Aldrin	U		0.0054	0.010	µg/L	1	4/1/2013 16:08
alpha-BHC	U		0.0028	0.010	µg/L	1	4/1/2013 16:08
alpha-Chlordane	U		0.0038	0.020	µg/L	1	4/1/2013 16:08
beta-BHC	U		0.0066	0.010	µg/L	1	4/1/2013 16:08
Chlordane, Technical	U		0.022	0.50	µg/L	1	4/1/2013 16:08
delta-BHC	U		0.0026	0.010	µg/L	1	4/1/2013 16:08
Dieldrin	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
Endosulfan I	U		0.0024	0.020	µg/L	1	4/1/2013 16:08
Endosulfan II	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
Endosulfan sulfate	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
Endrin	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
Endrin aldehyde	U		0.0028	0.020	µg/L	1	4/1/2013 16:08
Endrin ketone	U		0.0022	0.020	µg/L	1	4/1/2013 16:08
gamma-BHC (Lindane)	U		0.0030	0.010	µg/L	1	4/1/2013 16:08
gamma-Chlordane	U		0.0030	0.020	µg/L	1	4/1/2013 16:08
Heptachlor	U		0.0083	0.010	µg/L	1	4/1/2013 16:08
Heptachlor epoxide	U		0.0030	0.010	µg/L	1	4/1/2013 16:08
Methoxychlor	U		0.0030	0.040	µg/L	1	4/1/2013 16:08
Toxaphene	U		0.042	2.0	µg/L	1	4/1/2013 16:08
Surr: Decachlorobiphenyl	*86.0*			*30-145*	*%REC*	1	4/1/2013 16:08
Surr: Tetrachloro-m-xylene	*80.0*			*25-140*	*%REC*	1	4/1/2013 16:08
MERCURY BY CVAA		Method: **SW7470**			Prep: SW7470 / 3/29/13		Analyst: **LR**

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Rinsate Blank
Collection Date: 3/22/2013 06:00 PM

Work Order: 1303834
Lab ID: 1303834-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Mercury	U		0.00010	0.00020	mg/L	1	3/29/2013 12:29
METALS BY ICP-MS		Method: **SW6020A**			Prep: SW3005A / 3/27/13		Analyst: **RH**
Arsenic	U		0.00058	0.0050	mg/L	1	3/27/2013 18:58
Barium	**0.0018**	J	**0.000063**	**0.0050**	**mg/L**	1	3/27/2013 18:58
Cadmium	U		0.000045	0.0020	mg/L	1	3/27/2013 18:58
Chromium	**0.0013**	J	**0.00027**	**0.0050**	**mg/L**	1	3/27/2013 18:58
Lead	**0.00024**	J	**0.000051**	**0.0030**	**mg/L**	1	3/27/2013 18:58
Selenium	U		0.00064	0.0050	mg/L	1	3/27/2013 18:58
Silver	U		0.000042	0.00020	mg/L	1	3/27/2013 18:58
DIESEL RANGE ORGANICS BY GC-MS		Method: **SW8270**			Prep: SW3510 / 3/28/13		Analyst: **RM**
DRO (C10-C21)	U		0.013	0.10	mg/L	1	4/1/2013 08:37
ORO (C21-C35)	U		0.027	0.10	mg/L	1	4/1/2013 08:37
Surr: 4-Terphenyl-d14	*84.7*			*23-112*	*%REC*	1	4/1/2013 08:37
SEMI-VOLATILE ORGANIC COMPOUNDS		Method: **SW8270**			Prep: SW3510 / 3/28/13		Analyst: **RM**
1,1`-Biphenyl	U		0.095	5.0	µg/L	1	3/29/2013 01:38
2,4,5-Trichlorophenol	U		0.12	5.0	µg/L	1	3/29/2013 01:38
2,4,6-Trichlorophenol	U		0.11	5.0	µg/L	1	3/29/2013 01:38
2,4-Dichlorophenol	U		0.22	10	µg/L	1	3/29/2013 01:38
2,4-Dimethylphenol	U		0.24	5.0	µg/L	1	3/29/2013 01:38
2,4-Dinitrophenol	U		0.76	5.0	µg/L	1	3/29/2013 01:38
2,4-Dinitrotoluene	U		0.78	5.0	µg/L	1	3/29/2013 01:38
2,6-Dinitrotoluene	U		0.82	5.0	µg/L	1	3/29/2013 01:38
2-Chloronaphthalene	U		0.13	5.0	µg/L	1	3/29/2013 01:38
2-Chlorophenol	U		0.73	5.0	µg/L	1	3/29/2013 01:38
2-Methylnaphthalene	U		0.13	5.0	µg/L	1	3/29/2013 01:38
2-Methylphenol	U		0.60	5.0	µg/L	1	3/29/2013 01:38
2-Nitroaniline	U		0.11	20	µg/L	1	3/29/2013 01:38
2-Nitrophenol	U		0.19	5.0	µg/L	1	3/29/2013 01:38
3,3´-Dichlorobenzidine	U		0.54	5.0	µg/L	1	3/29/2013 01:38
3-Nitroaniline	U		2.5	20	µg/L	1	3/29/2013 01:38
4,6-Dinitro-2-methylphenol	U		0.34	20	µg/L	1	3/29/2013 01:38
4-Bromophenyl phenyl ether	U		0.11	5.0	µg/L	1	3/29/2013 01:38
4-Chloro-3-methylphenol	U		0.65	5.0	µg/L	1	3/29/2013 01:38
4-Chloroaniline	U		1.1	20	µg/L	1	3/29/2013 01:38
4-Chlorophenyl phenyl ether	U		0.11	5.0	µg/L	1	3/29/2013 01:38
4-Methylphenol	U		0.55	5.0	µg/L	1	3/29/2013 01:38
4-Nitroaniline	U		1.5	20	µg/L	1	3/29/2013 01:38
4-Nitrophenol	U		1.6	20	µg/L	1	3/29/2013 01:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Rinsate Blank
Collection Date: 3/22/2013 06:00 PM

Work Order: 1303834
Lab ID: 1303834-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Acenaphthene	U		0.11	5.0	µg/L	1	3/29/2013 01:38
Acenaphthylene	U		0.12	5.0	µg/L	1	3/29/2013 01:38
Acetophenone	U		0.090	1.0	µg/L	1	3/29/2013 01:38
Anthracene	U		0.72	5.0	µg/L	1	3/29/2013 01:38
Atrazine	U		3.2	10	µg/L	1	3/29/2013 01:38
Benzaldehyde	U		0.46	1.0	µg/L	1	3/29/2013 01:38
Benzo(a)anthracene	U		0.57	5.0	µg/L	1	3/29/2013 01:38
Benzo(a)pyrene	U		0.10	5.0	µg/L	1	3/29/2013 01:38
Benzo(b)fluoranthene	U		0.74	5.0	µg/L	1	3/29/2013 01:38
Benzo(g,h,i)perylene	U		0.70	5.0	µg/L	1	3/29/2013 01:38
Benzo(k)fluoranthene	U		0.17	5.0	µg/L	1	3/29/2013 01:38
Bis(2-chloroethoxy)methane	U		0.13	5.0	µg/L	1	3/29/2013 01:38
Bis(2-chloroethyl)ether	U		0.11	5.0	µg/L	1	3/29/2013 01:38
Bis(2-chloroisopropyl)ether	U		0.12	5.0	µg/L	1	3/29/2013 01:38
Bis(2-ethylhexyl)phthalate	**1.8**	J	**0.12**	**5.0**	**µg/L**	1	3/29/2013 01:38
Butyl benzyl phthalate	U		0.11	5.0	µg/L	1	3/29/2013 01:38
Caprolactam	U		4.7	10	µg/L	1	3/29/2013 01:38
Carbazole	U		0.84	10	µg/L	1	3/29/2013 01:38
Chrysene	U		0.71	5.0	µg/L	1	3/29/2013 01:38
Dibenzo(a,h)anthracene	U		0.67	5.0	µg/L	1	3/29/2013 01:38
Dibenzofuran	U		0.11	5.0	µg/L	1	3/29/2013 01:38
Diethyl phthalate	U		0.69	20	µg/L	1	3/29/2013 01:38
Dimethyl phthalate	U		0.14	20	µg/L	1	3/29/2013 01:38
Di-n-butyl phthalate	U		0.71	5.0	µg/L	1	3/29/2013 01:38
Di-n-octyl phthalate	U		0.12	5.0	µg/L	1	3/29/2013 01:38
Fluoranthene	U		0.77	5.0	µg/L	1	3/29/2013 01:38
Fluorene	U		0.10	5.0	µg/L	1	3/29/2013 01:38
Hexachlorobenzene	U		0.10	5.0	µg/L	1	3/29/2013 01:38
Hexachlorobutadiene	U		0.12	5.0	µg/L	1	3/29/2013 01:38
Hexachlorocyclopentadiene	U		0.18	20	µg/L	1	3/29/2013 01:38
Hexachloroethane	U		0.13	5.0	µg/L	1	3/29/2013 01:38
Indeno(1,2,3-cd)pyrene	U		0.69	5.0	µg/L	1	3/29/2013 01:38
Isophorone	U		0.12	5.0	µg/L	1	3/29/2013 01:38
Naphthalene	U		0.12	5.0	µg/L	1	3/29/2013 01:38
Nitrobenzene	U		0.10	5.0	µg/L	1	3/29/2013 01:38
N-Nitrosodi-n-propylamine	U		0.13	5.0	µg/L	1	3/29/2013 01:38
N-Nitrosodiphenylamine	U		0.81	5.0	µg/L	1	3/29/2013 01:38
Pentachlorophenol	U		0.11	20	µg/L	1	3/29/2013 01:38
Phenanthrene	U		0.86	5.0	µg/L	1	3/29/2013 01:38
Phenol	U		0.094	5.0	µg/L	1	3/29/2013 01:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Rinsate Blank
Collection Date: 3/22/2013 06:00 PM

Work Order: 1303834
Lab ID: 1303834-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Pyrene	U		0.65	5.0	µg/L	1	3/29/2013 01:38
Surr: 2,4,6-Tribromophenol	*56.6*			*32-115*	*%REC*	1	3/29/2013 01:38
Surr: 2-Fluorobiphenyl	*64.2*			*32-100*	*%REC*	1	3/29/2013 01:38
Surr: 2-Fluorophenol	*37.4*			*22-59*	*%REC*	1	3/29/2013 01:38
Surr: 4-Terphenyl-d14	*87.8*			*23-112*	*%REC*	1	3/29/2013 01:38
Surr: Nitrobenzene-d5	*64.1*			*31-93*	*%REC*	1	3/29/2013 01:38
Surr: Phenol-d6	*20.7*			*13-36*	*%REC*	1	3/29/2013 01:38
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.14	1.0	µg/L	1	3/28/2013 03:56
1,1,2,2-Tetrachloroethane	U		0.13	1.0	µg/L	1	3/28/2013 03:56
1,1,2-Trichloroethane	U		0.084	1.0	µg/L	1	3/28/2013 03:56
1,1,2-Trichlorotrifluoroethane	U		0.18	1.0	µg/L	1	3/28/2013 03:56
1,1-Dichloroethane	U		0.11	1.0	µg/L	1	3/28/2013 03:56
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	3/28/2013 03:56
1,2,4-Trichlorobenzene	U		0.16	1.0	µg/L	1	3/28/2013 03:56
1,2-Dibromo-3-chloropropane	U		0.31	1.0	µg/L	1	3/28/2013 03:56
1,2-Dibromoethane	U		0.16	1.0	µg/L	1	3/28/2013 03:56
1,2-Dichlorobenzene	U		0.13	1.0	µg/L	1	3/28/2013 03:56
1,2-Dichloroethane	U		0.15	1.0	µg/L	1	3/28/2013 03:56
1,2-Dichloropropane	U		0.13	2.0	µg/L	1	3/28/2013 03:56
1,3-Dichlorobenzene	U		0.16	2.0	µg/L	1	3/28/2013 03:56
1,4-Dichlorobenzene	U		0.15	2.0	µg/L	1	3/28/2013 03:56
2-Butanone	U		0.22	5.0	µg/L	1	3/28/2013 03:56
2-Hexanone	U		0.12	5.0	µg/L	1	3/28/2013 03:56
4-Methyl-2-pentanone	U		0.096	5.0	µg/L	1	3/28/2013 03:56
Acetone	U		0.33	20	µg/L	1	3/28/2013 03:56
Benzene	U		0.18	1.0	µg/L	1	3/28/2013 03:56
Bromodichloromethane	U		0.12	1.0	µg/L	1	3/28/2013 03:56
Bromoform	U		0.15	1.0	µg/L	1	3/28/2013 03:56
Bromomethane	U		0.21	1.0	µg/L	1	3/28/2013 03:56
Carbon disulfide	U		0.17	2.5	µg/L	1	3/28/2013 03:56
Carbon tetrachloride	U		0.12	1.0	µg/L	1	3/28/2013 03:56
Chlorobenzene	U		0.13	1.0	µg/L	1	3/28/2013 03:56
Chloroethane	U		0.46	1.0	µg/L	1	3/28/2013 03:56
Chloroform	U		0.15	1.0	µg/L	1	3/28/2013 03:56
Chloromethane	U		0.16	1.0	µg/L	1	3/28/2013 03:56
cis-1,2-Dichloroethene	U		0.11	1.0	µg/L	1	3/28/2013 03:56
cis-1,3-Dichloropropene	U		0.081	1.0	µg/L	1	3/28/2013 03:56
Cyclohexane	U		0.22	5.0	µg/L	1	3/28/2013 03:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Rinsate Blank
Collection Date: 3/22/2013 06:00 PM

Work Order: 1303834
Lab ID: 1303834-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibromochloromethane	U		0.13	1.0	µg/L	1	3/28/2013 03:56
Dichlorodifluoromethane	U		0.20	1.0	µg/L	1	3/28/2013 03:56
Ethylbenzene	U		0.13	1.0	µg/L	1	3/28/2013 03:56
GRO (C6-C10)	U		25	100	µg/L	1	3/28/2013 03:56
Isopropylbenzene	U		0.14	1.0	µg/L	1	3/28/2013 03:56
m,p-Xylene	U		0.20	2.0	µg/L	1	3/28/2013 03:56
Methyl acetate	U		0.19	2.0	µg/L	1	3/28/2013 03:56
Methyl tert-butyl ether	U		0.070	5.0	µg/L	1	3/28/2013 03:56
Methylcyclohexane	U		0.99	5.0	µg/L	1	3/28/2013 03:56
Methylene chloride	U		0.19	5.0	µg/L	1	3/28/2013 03:56
o-Xylene	U		0.086	1.0	µg/L	1	3/28/2013 03:56
Styrene	U		0.11	1.0	µg/L	1	3/28/2013 03:56
Tetrachloroethene	U		0.15	2.0	µg/L	1	3/28/2013 03:56
Toluene	**1.1**		**0.12**	**1.0**	**µg/L**	1	3/28/2013 03:56
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	3/28/2013 03:56
trans-1,3-Dichloropropene	U		0.15	1.0	µg/L	1	3/28/2013 03:56
Trichloroethene	U		0.14	1.0	µg/L	1	3/28/2013 03:56
Trichlorofluoromethane	U		0.18	1.0	µg/L	1	3/28/2013 03:56
Vinyl chloride	U		0.17	1.0	µg/L	1	3/28/2013 03:56
Xylenes, Total	U		0.29	3.0	µg/L	1	3/28/2013 03:56
Surr: 1,2-Dichloroethane-d4	*94.8*			*70-120*	*%REC*	1	3/28/2013 03:56
Surr: 4-Bromofluorobenzene	*100*			*75-120*	*%REC*	1	3/28/2013 03:56
Surr: Dibromofluoromethane	*79.3*	S		*85-115*	*%REC*	1	3/28/2013 03:56
Surr: Toluene-d8	*96.6*			*85-120*	*%REC*	1	3/28/2013 03:56
Surr: Toluene-d8	*86.8*			*85-120*	*%REC*	1	3/28/2013 03:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Trip Blank - Soil
Collection Date: 3/22/2013

Work Order: 1303834
Lab ID: 1303834-13
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.22	5.0	µg/Kg	1	3/27/2013 14:07
1,1,2,2-Tetrachloroethane	U		0.14	5.0	µg/Kg	1	3/27/2013 14:07
1,1,2-Trichloroethane	U		0.19	5.0	µg/Kg	1	3/27/2013 14:07
1,1,2-Trichlorotrifluoroethane	U		0.28	5.0	µg/Kg	1	3/27/2013 14:07
1,1-Dichloroethane	U		0.26	5.0	µg/Kg	1	3/27/2013 14:07
1,1-Dichloroethene	U		0.23	5.0	µg/Kg	1	3/27/2013 14:07
1,2,4-Trichlorobenzene	U		0.21	5.0	µg/Kg	1	3/27/2013 14:07
1,2-Dibromo-3-chloropropane	U		0.20	5.0	µg/Kg	1	3/27/2013 14:07
1,2-Dibromoethane	U		0.20	5.0	µg/Kg	1	3/27/2013 14:07
1,2-Dichlorobenzene	U		0.20	5.0	µg/Kg	1	3/27/2013 14:07
1,2-Dichloroethane	U		0.28	5.0	µg/Kg	1	3/27/2013 14:07
1,2-Dichloropropane	U		0.26	5.0	µg/Kg	1	3/27/2013 14:07
1,3-Dichlorobenzene	U		0.19	5.0	µg/Kg	1	3/27/2013 14:07
1,4-Dichlorobenzene	U		0.21	5.0	µg/Kg	1	3/27/2013 14:07
2-Butanone	U		0.77	10	µg/Kg	1	3/27/2013 14:07
2-Hexanone	U		0.30	5.0	µg/Kg	1	3/27/2013 14:07
4-Methyl-2-pentanone	U		0.20	5.0	µg/Kg	1	3/27/2013 14:07
Acetone	U		0.94	10	µg/Kg	1	3/27/2013 14:07
Benzene	U		0.25	5.0	µg/Kg	1	3/27/2013 14:07
Bromodichloromethane	U		0.21	5.0	µg/Kg	1	3/27/2013 14:07
Bromoform	U		0.15	5.0	µg/Kg	1	3/27/2013 14:07
Bromomethane	U		0.35	10	µg/Kg	1	3/27/2013 14:07
Carbon disulfide	U		0.37	5.0	µg/Kg	1	3/27/2013 14:07
Carbon tetrachloride	U		0.20	5.0	µg/Kg	1	3/27/2013 14:07
Chlorobenzene	U		0.22	5.0	µg/Kg	1	3/27/2013 14:07
Chloroethane	U		0.56	5.0	µg/Kg	1	3/27/2013 14:07
Chloroform	**0.53**	J	**0.26**	**5.0**	**µg/Kg**	1	3/27/2013 14:07
Chloromethane	U		0.31	10	µg/Kg	1	3/27/2013 14:07
cis-1,2-Dichloroethene	U		0.30	5.0	µg/Kg	1	3/27/2013 14:07
cis-1,3-Dichloropropene	U		0.18	5.0	µg/Kg	1	3/27/2013 14:07
Cyclohexane	U		0.32	5.0	µg/Kg	1	3/27/2013 14:07
Dibromochloromethane	U		0.17	5.0	µg/Kg	1	3/27/2013 14:07
Dichlorodifluoromethane	U		0.33	10	µg/Kg	1	3/27/2013 14:07
Ethylbenzene	U		0.19	5.0	µg/Kg	1	3/27/2013 14:07
Isopropylbenzene	U		0.19	5.0	µg/Kg	1	3/27/2013 14:07
m,p-Xylene	U		0.38	2.5	µg/Kg	1	3/27/2013 14:07
Methyl acetate	U		0.80	10	µg/Kg	1	3/27/2013 14:07
Methyl tert-butyl ether	U		0.25	5.0	µg/Kg	1	3/27/2013 14:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Trip Blank - Soil
Collection Date: 3/22/2013

Work Order: 1303834
Lab ID: 1303834-13
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.28	10	µg/Kg	1	3/27/2013 14:07
Methylene chloride	**1.0**	J	**0.28**	**5.0**	**µg/Kg**	1	3/27/2013 14:07
o-Xylene	U		0.20	2.5	µg/Kg	1	3/27/2013 14:07
Styrene	U		0.18	5.0	µg/Kg	1	3/27/2013 14:07
Tetrachloroethene	U		0.30	5.0	µg/Kg	1	3/27/2013 14:07
Toluene	U		0.24	5.0	µg/Kg	1	3/27/2013 14:07
trans-1,2-Dichloroethene	U		0.29	5.0	µg/Kg	1	3/27/2013 14:07
trans-1,3-Dichloropropene	U		0.19	10	µg/Kg	1	3/27/2013 14:07
Trichloroethene	U		0.23	5.0	µg/Kg	1	3/27/2013 14:07
Trichlorofluoromethane	U		1.2	5.0	µg/Kg	1	3/27/2013 14:07
Vinyl chloride	U		0.30	5.0	µg/Kg	1	3/27/2013 14:07
Xylenes, Total	U		0.58	5.0	µg/Kg	1	3/27/2013 14:07
Surr: 1,2-Dichloroethane-d4	*114*			*70-120*	*%REC*	1	3/27/2013 14:07
Surr: 4-Bromofluorobenzene	*112*			*75-120*	*%REC*	1	3/27/2013 14:07
Surr: Dibromofluoromethane	*108*			*85-115*	*%REC*	1	3/27/2013 14:07
Surr: Toluene-d8	*104*			*85-120*	*%REC*	1	3/27/2013 14:07

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Trip Blank - Water
Collection Date: 3/22/2013

Work Order: 1303834
Lab ID: 1303834-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **AK**
1,1,1-Trichloroethane	U		0.14	1.0	µg/L	1	3/28/2013 03:33
1,1,2,2-Tetrachloroethane	U		0.13	1.0	µg/L	1	3/28/2013 03:33
1,1,2-Trichloroethane	U		0.084	1.0	µg/L	1	3/28/2013 03:33
1,1,2-Trichlorotrifluoroethane	U		0.18	1.0	µg/L	1	3/28/2013 03:33
1,1-Dichloroethane	U		0.11	1.0	µg/L	1	3/28/2013 03:33
1,1-Dichloroethene	U		0.12	1.0	µg/L	1	3/28/2013 03:33
1,2,4-Trichlorobenzene	U		0.16	1.0	µg/L	1	3/28/2013 03:33
1,2-Dibromo-3-chloropropane	U		0.31	1.0	µg/L	1	3/28/2013 03:33
1,2-Dibromoethane	U		0.16	1.0	µg/L	1	3/28/2013 03:33
1,2-Dichlorobenzene	U		0.13	1.0	µg/L	1	3/28/2013 03:33
1,2-Dichloroethane	U		0.15	1.0	µg/L	1	3/28/2013 03:33
1,2-Dichloropropane	U		0.13	2.0	µg/L	1	3/28/2013 03:33
1,3-Dichlorobenzene	U		0.16	2.0	µg/L	1	3/28/2013 03:33
1,4-Dichlorobenzene	U		0.15	2.0	µg/L	1	3/28/2013 03:33
2-Butanone	U		0.22	5.0	µg/L	1	3/28/2013 03:33
2-Hexanone	U		0.12	5.0	µg/L	1	3/28/2013 03:33
4-Methyl-2-pentanone	U		0.096	5.0	µg/L	1	3/28/2013 03:33
Acetone	U		0.33	20	µg/L	1	3/28/2013 03:33
Benzene	U		0.18	1.0	µg/L	1	3/28/2013 03:33
Bromodichloromethane	U		0.12	1.0	µg/L	1	3/28/2013 03:33
Bromoform	U		0.15	1.0	µg/L	1	3/28/2013 03:33
Bromomethane	U		0.21	1.0	µg/L	1	3/28/2013 03:33
Carbon disulfide	U		0.17	2.5	µg/L	1	3/28/2013 03:33
Carbon tetrachloride	U		0.12	1.0	µg/L	1	3/28/2013 03:33
Chlorobenzene	U		0.13	1.0	µg/L	1	3/28/2013 03:33
Chloroethane	U		0.46	1.0	µg/L	1	3/28/2013 03:33
Chloroform	U		0.15	1.0	µg/L	1	3/28/2013 03:33
Chloromethane	U		0.16	1.0	µg/L	1	3/28/2013 03:33
cis-1,2-Dichloroethene	U		0.11	1.0	µg/L	1	3/28/2013 03:33
cis-1,3-Dichloropropene	U		0.081	1.0	µg/L	1	3/28/2013 03:33
Cyclohexane	U		0.22	5.0	µg/L	1	3/28/2013 03:33
Dibromochloromethane	U		0.13	1.0	µg/L	1	3/28/2013 03:33
Dichlorodifluoromethane	U		0.20	1.0	µg/L	1	3/28/2013 03:33
Ethylbenzene	U		0.13	1.0	µg/L	1	3/28/2013 03:33
GRO (C6-C10)	U		25	100	µg/L	1	3/28/2013 03:33
Isopropylbenzene	U		0.14	1.0	µg/L	1	3/28/2013 03:33
m,p-Xylene	U		0.20	2.0	µg/L	1	3/28/2013 03:33
Methyl acetate	U		0.19	2.0	µg/L	1	3/28/2013 03:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *17-Apr-13*

Client: Tetra Tech
Project: Municipal Farms-MCI 3/22/13
Sample ID: Trip Blank - Water
Collection Date: 3/22/2013

Work Order: 1303834
Lab ID: 1303834-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Methyl tert-butyl ether	U		0.070	5.0	µg/L	1	3/28/2013 03:33
Methylcyclohexane	U		0.99	5.0	µg/L	1	3/28/2013 03:33
Methylene chloride	U		0.19	5.0	µg/L	1	3/28/2013 03:33
o-Xylene	U		0.086	1.0	µg/L	1	3/28/2013 03:33
Styrene	U		0.11	1.0	µg/L	1	3/28/2013 03:33
Tetrachloroethene	U		0.15	2.0	µg/L	1	3/28/2013 03:33
Toluene	U		0.12	1.0	µg/L	1	3/28/2013 03:33
trans-1,2-Dichloroethene	U		0.12	1.0	µg/L	1	3/28/2013 03:33
trans-1,3-Dichloropropene	U		0.15	1.0	µg/L	1	3/28/2013 03:33
Trichloroethene	U		0.14	1.0	µg/L	1	3/28/2013 03:33
Trichlorofluoromethane	U		0.18	1.0	µg/L	1	3/28/2013 03:33
Vinyl chloride	U		0.17	1.0	µg/L	1	3/28/2013 03:33
Xylenes, Total	U		0.29	3.0	µg/L	1	3/28/2013 03:33
Surr: 1,2-Dichloroethane-d4	*98.9*			*70-120*	*%REC*	1	3/28/2013 03:33
Surr: 4-Bromofluorobenzene	*102*			*75-120*	*%REC*	1	3/28/2013 03:33
Surr: Dibromofluoromethane	*95.0*			*85-115*	*%REC*	1	3/28/2013 03:33
Surr: Toluene-d8	*87.6*			*85-120*	*%REC*	1	3/28/2013 03:33
Surr: Toluene-d8	*97.2*			*85-120*	*%REC*	1	3/28/2013 03:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Batch ID: **47245** Instrument ID **GC7** Method: **SW8151**

MBLK Sample ID: **HBLKW1-47245-47245** Units: **µg/L** Analysis Date: **4/1/2013 02:52 PM**

Client ID: Run ID: **GC7_130401A** SeqNo: **2257725** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-T	U	5.0								
2,4,5-TP (Silvex)	U	10								
2,4-D	U	10								
2,4-DB	U	5.0								
Dalapon	U	5.0								
Dicamba	U	5.0								
Dichlorprop	U	5.0								
Dinoseb	U	5.0								
MCPA	U	10								
MCPP	U	10								
Surr: DCAA	*209.5*	0	*200*	0	*105*	*30-150*	0			

LCS Sample ID: **HLCSW1-47245-47245** Units: **µg/L** Analysis Date: **4/1/2013 02:52 PM**

Client ID: Run ID: **GC7_130401A** SeqNo: **2257726** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-T	198.5	5.0	200	0	99.2	50-150	0			
2,4,5-TP (Silvex)	236	10	200	0	118	50-150	0			
2,4-D	232	10	200	0	116	50-150	0			
2,4-DB	251	5.0	200	0	126	30-150	0			
Dalapon	141.5	5.0	200	0	70.8	50-150	0			
Dicamba	175	5.0	200	0	87.5	50-150	0			
Dichlorprop	232	5.0	200	0	116	50-150	0			
Dinoseb	133.5	5.0	200	0	66.8	50-150	0			
MCPA	21480	10	20000	0	107	50-150	0			
MCPP	24120	10	20000	0	121	50-150	0			
Surr: DCAA	*253.5*	0	*200*	0	*127*	*30-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47245** Instrument ID **GC7** Method: **SW8151**

MS Sample ID: **1303834-12B MS** Units: **µg/L** Analysis Date: **4/1/2013 02:52 PM**
Client ID: **Rinsate Blank** Run ID: **GC7_130401A** SeqNo: **2257722** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-T	3.3	0.10	5	0	66	50-150	0			
2,4,5-TP (Silvex)	4.51	0.20	5	0	90.2	50-150	0			
2,4-D	3.44	0.20	5	0	68.8	50-150	0			
2,4-DB	4.88	0.10	5	0	97.6	30-150	0			
Dalapon	0.5	0.10	5	0	10	50-150	0			S
Dicamba	3.09	0.10	5	0	61.8	50-150	0			
Dichlorprop	4.45	0.10	5	0	89	50-150	0			
Dinoseb	4.36	0.10	5	0	87.2	50-150	0			
MCPA	500	0.20	500	0	100	50-150	0			
MCPP	415.8	0.20	500	0	83.2	50-150	0			
Surr: DCAA	*4.87*	0	*5*	0	*97.4*	*30-150*	0			

MSD Sample ID: **1303834-12B MSD** Units: **µg/L** Analysis Date: **4/1/2013 02:52 PM**
Client ID: **Rinsate Blank** Run ID: **GC7_130401A** SeqNo: **2257723** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-T	3.86	0.10	5	0	77.2	50-150	3.3	15.6	30	
2,4,5-TP (Silvex)	4.83	0.20	5	0	96.6	50-150	4.51	6.85	30	
2,4-D	3.89	0.20	5	0	77.8	50-150	3.44	12.3	30	
2,4-DB	4.97	0.10	5	0	99.4	30-150	4.88	1.83	30	
Dalapon	0.63	0.10	5	0	12.6	50-150	0.5	23	30	S
Dicamba	3.19	0.10	5	0	63.8	50-150	3.09	3.18	30	
Dichlorprop	5.23	0.10	5	0	105	50-150	4.45	16.1	30	
Dinoseb	4.36	0.10	5	0	87.2	50-150	4.36	0	30	
MCPA	432.3	0.20	500	0	86.5	50-150	500	14.5	30	
MCPP	520.5	0.20	500	0	104	50-150	415.8	22.4	30	
Surr: DCAA	*4.95*	0	*5*	0	*99*	*30-150*	4.87	*1.63*	*30*	

The following samples were analyzed in this batch: 1303834-11B 1303834-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47280** Instrument ID **GC12** Method: **SW8081**

MBLK Sample ID: **PBLKW1-47280-47280** Units: **µg/L** Analysis Date: **4/1/2013 04:08 PM**
Client ID: Run ID: **GC12_130401C** SeqNo: **2257607** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	U	0.020								
4,4´-DDE	U	0.020								
4,4´-DDT	U	0.020								
Aldrin	U	0.010								
alpha-BHC	U	0.010								
alpha-Chlordane	U	0.020								
beta-BHC	U	0.010								
Chlordane, Technical	U	0.50								
delta-BHC	U	0.010								
Dieldrin	U	0.020								
Endosulfan I	U	0.020								
Endosulfan II	U	0.020								
Endosulfan sulfate	U	0.020								
Endrin	U	0.020								
Endrin aldehyde	U	0.020								
Endrin ketone	U	0.020								
gamma-BHC (Lindane)	U	0.010								
gamma-Chlordane	U	0.020								
Heptachlor	U	0.010								
Heptachlor epoxide	U	0.010								
Methoxychlor	U	0.040								
Toxaphene	U	2.0								
Surr: Decachlorobiphenyl	*0.079*	0	*0.1*	0	*79*	*30-135*	0			
Surr: Tetrachloro-m-xylene	*0.089*	0	*0.1*	0	*89*	*25-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47280** Instrument ID **GC12** Method: **SW8081**

LCS Sample ID: **PLCSW1-47280-47280** Units: **µg/L** Analysis Date: **4/1/2013 04:08 PM**
Client ID: Run ID: **GC12_130401C** SeqNo: **2257608** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	0.073	0.020	0.1	0	73	25-150	0			
4,4´-DDE	0.072	0.020	0.1	0	72	35-140	0			
4,4´-DDT	0.102	0.020	0.1	0	102	45-140	0			
Aldrin	0.061	0.010	0.1	0	61	25-140	0			
alpha-BHC	0.069	0.010	0.1	0	69	60-130	0			
alpha-Chlordane	0.07	0.020	0.1	0	70	50-150	0			
beta-BHC	0.073	0.010	0.1	0	73	65-125	0			
delta-BHC	0.085	0.010	0.1	0	85	45-135	0			
Dieldrin	0.072	0.020	0.1	0	72	60-130	0			
Endosulfan I	0.062	0.020	0.1	0	62	50-110	0			
Endosulfan II	0.077	0.020	0.1	0	77	30-130	0			
Endosulfan sulfate	0.087	0.020	0.1	0	87	55-135	0			
Endrin	0.077	0.020	0.1	0	77	55-135	0			
Endrin aldehyde	0.073	0.020	0.1	0	73	55-135	0			
Endrin ketone	0.08	0.020	0.1	0	80	50-150	0			
gamma-BHC (Lindane)	0.081	0.010	0.1	0	81	25-135	0			
gamma-Chlordane	0.072	0.020	0.1	0	72	50-150	0			
Heptachlor	0.079	0.010	0.1	0	79	40-130	0			
Heptachlor epoxide	0.075	0.010	0.1	0	75	60-130	0			
Methoxychlor	0.118	0.040	0.1	0	118	55-150	0			
Surr: Decachlorobiphenyl	*0.082*	0	*0.1*	0	*82*	*30-135*	0			
Surr: Tetrachloro-m-xylene	*0.059*	0	*0.1*	0	*59*	*25-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47280** Instrument ID **GC12** Method: **SW8081**

MS Sample ID: **1303834-12B MS** Units: **µg/L** Analysis Date: **4/1/2013 04:08 PM**
Client ID: **Rinsate Blank** Run ID: **GC12_130401C** SeqNo: **2257603** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	0.76	0.20	1	0	76	25-150	0			
4,4´-DDE	0.74	0.20	1	0	74	35-140	0			
4,4´-DDT	1.04	0.20	1	0	104	45-140	0			
Aldrin	0.62	0.10	1	0	62	25-140	0			
alpha-BHC	0.75	0.10	1	0	75	60-130	0			
alpha-Chlordane	0.7	0.20	1	0	70	50-150	0			
beta-BHC	0.76	0.10	1	0	76	65-125	0			
delta-BHC	0.87	0.10	1	0	87	45-135	0			
Dieldrin	0.71	0.20	1	0	71	60-130	0			
Endosulfan I	0.58	0.20	1	0	58	50-110	0			
Endosulfan II	0.76	0.20	1	0	76	30-130	0			
Endosulfan sulfate	0.76	0.20	1	0	76	55-135	0			
Endrin	0.78	0.20	1	0	78	55-135	0			
Endrin aldehyde	0.74	0.20	1	0	74	55-135	0			
Endrin ketone	0.75	0.20	1	0	75	55-135	0			
gamma-BHC (Lindane)	0.86	0.10	1	0	86	25-135	0			
gamma-Chlordane	0.72	0.20	1	0	72	55-135	0			
Heptachlor	0.82	0.10	1	0	82	40-130	0			
Heptachlor epoxide	0.76	0.10	1	0	76	60-130	0			
Methoxychlor	1.17	0.40	1	0	117	55-150	0			
Surr: Decachlorobiphenyl	*0.82*	0	*1*	0	*82*	*30-135*	0			
Surr: Tetrachloro-m-xylene	*0.63*	0	*1*	0	*63*	*25-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47280** Instrument ID **GC12** Method: **SW8081**

MSD Sample ID: **1303834-12B MSD** Units: **µg/L** Analysis Date: **4/1/2013 04:08 PM**
Client ID: **Rinsate Blank** Run ID: **GC12_130401C** SeqNo: **2257604** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
4,4´-DDD	0.74	0.20	1	0	74	25-150	0.76	2.67	50	
4,4´-DDE	0.75	0.20	1	0	75	35-140	0.74	1.34	50	
4,4´-DDT	1.02	0.20	1	0	102	45-140	1.04	1.94	50	
Aldrin	0.61	0.10	1	0	61	25-140	0.62	1.63	50	
alpha-BHC	0.73	0.10	1	0	73	60-130	0.75	2.7	50	
alpha-Chlordane	0.71	0.20	1	0	71	50-150	0.7	1.42	50	
beta-BHC	0.74	0.10	1	0	74	65-125	0.76	2.67	50	
delta-BHC	0.87	0.10	1	0	87	45-135	0.87	0	50	
Dieldrin	0.73	0.20	1	0	73	60-130	0.71	2.78	50	
Endosulfan I	0.6	0.20	1	0	60	50-110	0.58	3.39	50	
Endosulfan II	0.76	0.20	1	0	76	30-130	0.76	0	50	
Endosulfan sulfate	0.85	0.20	1	0	85	55-135	0.76	11.2	50	
Endrin	0.79	0.20	1	0	79	55-135	0.78	1.27	50	
Endrin aldehyde	0.77	0.20	1	0	77	55-135	0.74	3.97	50	
Endrin ketone	0.79	0.20	1	0	79	55-135	0.75	5.19	50	
gamma-BHC (Lindane)	0.84	0.10	1	0	84	25-135	0.86	2.35	50	
gamma-Chlordane	0.72	0.20	1	0	72	55-135	0.72	0	50	
Heptachlor	0.8	0.10	1	0	80	40-130	0.82	2.47	50	
Heptachlor epoxide	0.76	0.10	1	0	76	60-130	0.76	0	50	
Methoxychlor	1.15	0.40	1	0	115	55-150	1.17	1.72	50	
Surr: Decachlorobiphenyl	*0.82*	0	*1*	0	*82*	*30-135*	0.82	*0*	*50*	
Surr: Tetrachloro-m-xylene	*0.67*	0	*1*	0	*67*	*25-140*	0.63	*6.15*	*50*	

The following samples were analyzed in this batch: 1303834-11B 1303834-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47233** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-47233-47233** Units: **mg/Kg** Analysis Date: **3/28/2013 04:14 PM**
Client ID: Run ID: **HG1_130328A** SeqNo: **2253078** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-47233-47233** Units: **mg/Kg** Analysis Date: **3/28/2013 04:16 PM**
Client ID: Run ID: **HG1_130328A** SeqNo: **2253079** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1877	0.020	0.1665	0	113	80-120	0			

MS Sample ID: **1303825-07BMS** Units: **mg/Kg** Analysis Date: **3/28/2013 04:45 PM**
Client ID: Run ID: **HG1_130328A** SeqNo: **2253093** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.161	0.016	0.1368	0.01995	103	75-125	0			

MSD Sample ID: **1303825-07BMSD** Units: **mg/Kg** Analysis Date: **3/28/2013 04:47 PM**
Client ID: Run ID: **HG1_130328A** SeqNo: **2253094** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1519	0.015	0.126	0.01995	105	75-125	0.161	5.84	35	

The following samples were analyzed in this batch: 1303834-01B 1303834-02B 1303834-03B 1303834-04B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47291** Instrument ID **HG1** Method: **SW7470**

MBLK Sample ID: **MBLK-47291-47291** Units: **mg/L** Analysis Date: **3/29/2013 12:21 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254055** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: **LCS-47291-47291** Units: **mg/L** Analysis Date: **3/29/2013 12:23 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254056** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.002005	0.00020	0.002	0	100	80-120	0			

MS Sample ID: **1303876-01CMS** Units: **mg/L** Analysis Date: **3/29/2013 12:39 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254065** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001842	0.00020	0.002	0.000022	91	75-125	0			

MS Sample ID: **1303876-01DMS** Units: **mg/L** Analysis Date: **3/29/2013 12:58 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254071** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00179	0.00020	0.002	0.000006	89.2	75-125	0			

MSD Sample ID: **1303876-01CMSD** Units: **mg/L** Analysis Date: **3/29/2013 12:54 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254069** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001853	0.00020	0.002	0.000022	91.6	75-125	0.001842	0.595	20	

MSD Sample ID: **1303876-01DMSD** Units: **mg/L** Analysis Date: **3/29/2013 01:00 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254072** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001822	0.00020	0.002	0.000006	90.8	75-125	0.00179	1.77	20	

The following samples were analyzed in this batch: 1303834-11C 1303834-12C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47292** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-47292-47292** Units: **mg/Kg** Analysis Date: **3/29/2013 01:20 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254183** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.020								

LCS Sample ID: **LCS-47292-47292** Units: **mg/Kg** Analysis Date: **3/29/2013 02:16 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254337** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1839	0.020	0.1665	0	110	80-120	0			

MS Sample ID: **1303900-01AMS** Units: **mg/Kg** Analysis Date: **3/29/2013 01:27 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254208** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1588	0.016	0.1372	0.01465	105	75-125	0			

MSD Sample ID: **1303900-01AMSD** Units: **mg/Kg** Analysis Date: **3/29/2013 01:29 PM**
Client ID: Run ID: **HG1_130329A** SeqNo: **2254209** Prep Date: **3/29/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1458	0.015	0.1282	0.01465	102	75-125	0.1588	8.51	35	

The following samples were analyzed in this batch:

1303834-06B	1303834-07B	1303834-08B
1303834-09B	1303834-10B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47221** Instrument ID **ICPMS2** Method: **SW6020A**

MBLK Sample ID: **MBLK-47221-47221** Units: **mg/L** Analysis Date: **3/27/2013 06:37 PM**
Client ID: Run ID: **ICPMS2_130327A** SeqNo: **2251956** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0050								
Barium	U	0.0050								
Cadmium	U	0.0020								
Chromium	U	0.0050								
Lead	U	0.0050								
Selenium	0.0006657	0.0050								J
Silver	U	0.0050								

LCS Sample ID: **LCS-47221-47221** Units: **mg/L** Analysis Date: **3/27/2013 06:42 PM**
Client ID: Run ID: **ICPMS2_130327A** SeqNo: **2251957** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09669	0.0050	0.1	0	96.7	80-120	0			
Barium	0.09859	0.0050	0.1	0	98.6	80-120	0			
Cadmium	0.09803	0.0020	0.1	0	98	80-120	0			
Chromium	0.09331	0.0050	0.1	0	93.3	80-120	0			
Lead	0.09624	0.0050	0.1	0	96.2	80-120	0			
Selenium	0.09729	0.0050	0.1	0	97.3	80-120	0			
Silver	0.09011	0.0050	0.1	0	90.1	80-120	0			

MS Sample ID: **1303844-07BMS** Units: **mg/L** Analysis Date: **3/27/2013 08:53 PM**
Client ID: Run ID: **ICPMS2_130327A** SeqNo: **2251991** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09768	0.0050	0.1	0.001818	95.9	75-125	0			
Barium	0.3159	0.0050	0.1	0.2195	96.4	75-125	0			
Cadmium	0.09034	0.0020	0.1	0.00006047	90.3	75-125	0			
Chromium	0.09135	0.0050	0.1	0.002065	89.3	75-125	0			
Lead	0.1072	0.0050	0.1	0.01147	95.7	75-125	0			
Selenium	0.09291	0.0050	0.1	0.001017	91.9	75-125	0			
Silver	0.07713	0.0050	0.1	0.00001714	77.1	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47221** Instrument ID **ICPMS2** Method: **SW6020A**

MSD Sample ID: **1303844-07BMSD** Units: **mg/L** Analysis Date: **3/27/2013 08:58 PM**
Client ID: Run ID: **ICPMS2_130327A** SeqNo: **2251992** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09798	0.0050	0.1	0.001818	96.2	75-125	0.09768	0.307	20	
Barium	0.3194	0.0050	0.1	0.2195	99.9	75-125	0.3159	1.1	20	
Cadmium	0.09208	0.0020	0.1	0.00006047	92	75-125	0.09034	1.91	20	
Chromium	0.09229	0.0050	0.1	0.002065	90.2	75-125	0.09135	1.02	20	
Lead	0.1071	0.0050	0.1	0.01147	95.6	75-125	0.1072	0.0933	20	
Selenium	0.09495	0.0050	0.1	0.001017	93.9	75-125	0.09291	2.17	20	
Silver	0.07773	0.0050	0.1	0.00001714	77.7	75-125	0.07713	0.775	20	

The following samples were analyzed in this batch: 1303834-11C 1303834-12C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47224** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-47224-47224** Units: **mg/Kg** Analysis Date: **3/29/2013 01:13 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2254251** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	0.00875	0.25								J
Cadmium	U	0.10								
Chromium	U	0.25								
Lead	U	0.25								
Selenium	0.04352	0.25								J
Silver	U	0.25								

LCS Sample ID: **LCS-47224-47224** Units: **mg/Kg** Analysis Date: **3/29/2013 01:20 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2254253** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.59	0.25	5	0	91.8	80-120	0			
Barium	4.645	0.25	5	0	92.9	80-120	0			
Cadmium	4.628	0.10	5	0	92.6	80-120	0			
Chromium	4.7	0.25	5	0	94	80-120	0			
Lead	4.866	0.25	5	0	97.3	80-120	0			
Selenium	4.483	0.25	5	0	89.7	80-120	0			
Silver	4.595	0.25	5	0	91.9	80-120	0			

MS Sample ID: **1303825-07BMS** Units: **mg/Kg** Analysis Date: **3/29/2013 01:31 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2254255** Prep Date: **3/27/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.27	0.71	7.112	7.235	84.9	75-125	0			
Barium	229	0.71	7.112	222.4	92.7	75-125	0			O
Cadmium	6.464	0.28	7.112	0.3378	86.1	75-125	0			
Chromium	22.05	0.71	7.112	13.9	115	75-125	0			
Lead	16.94	0.71	7.112	10.27	93.8	75-125	0			
Selenium	6.427	0.71	7.112	0.6352	81.4	75-125	0			
Silver	5.59	0.71	7.112	0.04676	77.9	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47224** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1303825-07BMSD** Units: **mg/Kg** Analysis Date: **3/29/2013 01:37 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2255954** Prep Date: **3/27/2013** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.7	0.71	7.133	7.235	90.6	75-125	13.27	3.19	25	
Barium	235.4	0.71	7.133	222.4	182	75-125	229	2.74	25	SO
Cadmium	6.703	0.29	7.133	0.3378	89.2	75-125	6.464	3.64	25	
Chromium	22.67	0.71	7.133	13.9	123	75-125	22.05	2.77	25	
Lead	17.26	0.71	7.133	10.27	98	75-125	16.94	1.87	25	
Selenium	6.485	0.71	7.133	0.6352	82	75-125	6.427	0.903	25	
Silver	5.679	0.71	7.133	0.04676	79	75-125	5.59	1.57	25	

The following samples were analyzed in this batch:

1303834-01B	1303834-02B	1303834-03B
1303834-04B	1303834-06B	1303834-07B
1303834-08B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47263** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-47263-47263** Units: **mg/Kg** Analysis Date: **3/28/2013 07:52 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2253552** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	U	0.25								
Cadmium	0.002356	0.10								J
Chromium	U	0.25								
Lead	0.004447	0.25								J
Selenium	U	0.25								
Silver	U	0.25								

LCS Sample ID: **LCS-47263-47263** Units: **mg/Kg** Analysis Date: **3/28/2013 07:58 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2253553** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.66	0.25	5	0	93.2	80-120	0			
Barium	4.629	0.25	5	0	92.6	80-120	0			
Cadmium	4.554	0.10	5	0	91.1	80-120	0			
Chromium	4.732	0.25	5	0	94.6	80-120	0			
Lead	4.777	0.25	5	0	95.5	80-120	0			
Selenium	4.338	0.25	5	0	86.8	80-120	0			
Silver	4.578	0.25	5	0	91.6	80-120	0			

MS Sample ID: **1303887-05AMS** Units: **mg/Kg** Analysis Date: **3/28/2013 08:09 PM**
Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2253555** Prep Date: **3/28/2013** DF: **4**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	17.49	1.6	7.911	11.86	71.2	75-125	0			S
Barium	130.2	1.6	7.911	118.5	147	75-125	0			SO
Cadmium	8.924	0.63	7.911	1.399	95.1	75-125	0			
Chromium	94.3	1.6	7.911	86.06	104	75-125	0			O
Lead	83.92	1.6	7.911	80.48	43.5	75-125	0			SO
Selenium	8.408	1.6	7.911	1.017	93.4	75-125	0			
Silver	8.193	1.6	7.911	1.016	90.7	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47263** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1303887-05AMSD** Units: **mg/Kg** Analysis Date: **3/28/2013 08:15 PM**

Client ID: Run ID: **ICPMS1_130328A** SeqNo: **2253556** Prep Date: **3/28/2013** DF: **4**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	21	1.6	7.874	11.86	116	75-125	17.49	18.3	25	
Barium	142.5	1.6	7.874	118.5	304	75-125	130.2	9.02	25	SO
Cadmium	9.446	0.63	7.874	1.399	102	75-125	8.924	5.68	25	
Chromium	92	1.6	7.874	86.06	75.4	75-125	94.3	2.47	25	O
Lead	85.92	1.6	7.874	80.48	69	75-125	83.92	2.35	25	SO
Selenium	8.923	1.6	7.874	1.017	100	75-125	8.408	5.94	25	
Silver	8.608	1.6	7.874	1.016	96.4	75-125	8.193	4.94	25	

The following samples were analyzed in this batch: 1303834-09B 1303834-10B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **SBLKS1-47241-47241** Units: **µg/Kg** Analysis Date: **4/1/2013 01:58 AM**
Client ID: Run ID: **SVMS6_130331A** SeqNo: **2258584** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1`-Biphenyl	U	330								
2,4,5-Trichlorophenol	U	160								
2,4,6-Trichlorophenol	U	160								
2,4-Dichlorophenol	U	160								
2,4-Dimethylphenol	U	330								
2,4-Dinitrophenol	U	660								
2,4-Dinitrotoluene	U	160								
2,6-Dinitrotoluene	U	160								
2-Chloronaphthalene	U	80								
2-Chlorophenol	U	160								
2-Methylnaphthalene	U	80								
2-Methylphenol	U	160								
2-Nitroaniline	U	660								
2-Nitrophenol	U	160								
3,3´-Dichlorobenzidine	U	660								
3-Nitroaniline	U	660								
4,6-Dinitro-2-methylphenol	U	330								
4-Bromophenyl phenyl ether	U	160								
4-Chloro-3-methylphenol	U	160								
4-Chloroaniline	U	660								
4-Chlorophenyl phenyl ether	U	160								
4-Methylphenol	U	160								
4-Nitroaniline	U	660								
4-Nitrophenol	U	660								
Acenaphthene	U	30								
Acenaphthylene	U	30								
Acetophenone	U	330								
Anthracene	U	30								
Atrazine	U	330								
Benzaldehyde	U	330								
Benzo(a)anthracene	U	30								
Benzo(a)pyrene	U	30								
Benzo(b)fluoranthene	U	30								
Benzo(g,h,i)perylene	U	30								
Benzo(k)fluoranthene	U	30								
Bis(2-chloroethoxy)methane	U	160								
Bis(2-chloroethyl)ether	U	160								
Bis(2-chloroisopropyl)ether	U	160								
Bis(2-ethylhexyl)phthalate	U	330								
Butyl benzyl phthalate	U	160								
Caprolactam	U	330								
Carbazole	U	160								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

Chrysene	U	30					
Dibenzo(a,h)anthracene	U	30					
Dibenzofuran	U	160					
Diethyl phthalate	U	330					
Dimethyl phthalate	U	330					
Di-n-butyl phthalate	U	330					
Di-n-octyl phthalate	U	160					
Fluoranthene	U	30					
Fluorene	U	30					
Hexachlorobenzene	U	160					
Hexachlorobutadiene	U	160					
Hexachlorocyclopentadiene	U	330					
Hexachloroethane	U	160					
Indeno(1,2,3-cd)pyrene	U	30					
Isophorone	U	160					
Naphthalene	U	30					
Nitrobenzene	U	160					
N-Nitrosodi-n-propylamine	U	160					
N-Nitrosodiphenylamine	U	160					
Pentachlorophenol	U	330					
Phenanthrene	U	30					
Phenol	U	160					
Pyrene	U	30					
Surr: 2,4,6-Tribromophenol	*1134*	0	*1667*	0	*68*	*34-140*	0
Surr: 2-Fluorobiphenyl	*1361*	0	*1667*	0	*81.7*	*12-100*	0
Surr: 2-Fluorophenol	*1485*	0	*1667*	0	*89.1*	*33-117*	0
Surr: 4-Terphenyl-d14	*1723*	0	*1667*	0	*103*	*25-137*	0
Surr: Nitrobenzene-d5	*1457*	0	*1667*	0	*87.4*	*37-107*	0
Surr: Phenol-d6	*1517*	0	*1667*	0	*91*	*40-106*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

LCS Sample ID: **SLCSS1-47241-47241** Units: **µg/Kg** Analysis Date: **4/1/2013 02:28 AM**

Client ID: Run ID: **SVMS6_130331A** SeqNo: **2258585** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	536.3	160	666.7	0	80.4	50-110	0			
2,4,6-Trichlorophenol	523	160	666.7	0	78.4	45-110	0			
2,4-Dichlorophenol	580.7	160	666.7	0	87.1	45-110	0			
2,4-Dimethylphenol	408.3	330	666.7	0	61.2	30-105	0			
2,4-Dinitrophenol	479	660	666.7	0	71.8	15-130	0			J
2,4-Dinitrotoluene	601.3	160	666.7	0	90.2	50-115	0			
2,6-Dinitrotoluene	584.7	160	666.7	0	87.7	50-110	0			
2-Chloronaphthalene	575	80	666.7	0	86.2	45-105	0			
2-Chlorophenol	589.3	160	666.7	0	88.4	45-105	0			
2-Methylnaphthalene	596	80	666.7	0	89.4	45-105	0			
2-Methylphenol	574.3	160	666.7	0	86.1	40-105	0			
2-Nitroaniline	608	660	666.7	0	91.2	45-120	0			J
2-Nitrophenol	579.7	160	666.7	0	86.9	40-110	0			
3-Nitroaniline	607.7	660	666.7	0	91.1	25-150	0			J
4-Bromophenyl phenyl ether	573.7	160	666.7	0	86	45-115	0			
4-Chloro-3-methylphenol	589.3	160	666.7	0	88.4	45-115	0			
4-Chloroaniline	371.3	660	666.7	0	55.7	15-110	0			J
4-Chlorophenyl phenyl ether	630.3	160	666.7	0	94.5	45-110	0			
4-Methylphenol	595.3	160	666.7	0	89.3	40-105	0			
4-Nitroaniline	462.3	660	666.7	0	69.3	35-150	0			J
4-Nitrophenol	644.3	660	666.7	0	96.6	15-140	0			J
Acenaphthene	559.7	30	666.7	0	83.9	45-110	0			
Acenaphthylene	576	30	666.7	0	86.4	45-105	0			
Anthracene	596	30	666.7	0	89.4	55-105	0			
Benzo(a)anthracene	603.7	30	666.7	0	90.5	50-110	0			
Benzo(a)pyrene	640	30	666.7	0	96	50-110	0			
Benzo(b)fluoranthene	622.3	30	666.7	0	93.3	45-115	0			
Benzo(g,h,i)perylene	648.3	30	666.7	0	97.2	40-125	0			
Benzo(k)fluoranthene	679	30	666.7	0	102	45-115	0			
Bis(2-chloroethoxy)methane	575.7	160	666.7	0	86.3	45-110	0			
Bis(2-chloroethyl)ether	562.7	160	666.7	0	84.4	40-105	0			
Bis(2-chloroisopropyl)ether	634.3	160	666.7	0	95.1	20-115	0			
Bis(2-ethylhexyl)phthalate	661.7	330	666.7	0	99.2	45-125	0			
Butyl benzyl phthalate	659	160	666.7	0	98.8	50-125	0			
Carbazole	1142	160	666.7	0	171	50-150	0			S
Chrysene	631.7	30	666.7	0	94.7	55-110	0			
Dibenzo(a,h)anthracene	688	30	666.7	0	103	40-125	0			
Dibenzofuran	579	160	666.7	0	86.8	50-105	0			
Diethyl phthalate	596.3	330	666.7	0	89.4	50-115	0			
Dimethyl phthalate	567.7	330	666.7	0	85.1	50-110	0			
Di-n-butyl phthalate	656.7	330	666.7	0	98.5	55-110	0			
Di-n-octyl phthalate	703.3	160	666.7	0	105	40-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

Fluoranthene	613	30	666.7	0	91.9	55-115	0
Fluorene	609.7	30	666.7	0	91.4	50-110	0
Hexachlorobenzene	589.7	160	666.7	0	88.4	45-120	0
Hexachlorobutadiene	552.7	160	666.7	0	82.9	40-115	0
Hexachlorocyclopentadiene	347	330	666.7	0	52	40-115	0
Hexachloroethane	559	160	666.7	0	83.8	35-110	0
Indeno(1,2,3-cd)pyrene	684.7	30	666.7	0	103	40-120	0
Isophorone	570	160	666.7	0	85.5	45-110	0
Naphthalene	569	30	666.7	0	85.3	40-105	0
Nitrobenzene	583.3	160	666.7	0	87.5	40-115	0
N-Nitrosodi-n-propylamine	622	160	666.7	0	93.3	40-115	0
N-Nitrosodiphenylamine	638.7	160	666.7	0	95.8	50-115	0
Pentachlorophenol	583.3	330	666.7	0	87.5	25-120	0
Phenanthrene	573.7	30	666.7	0	86	50-110	0
Phenol	587	160	666.7	0	88	40-100	0
Pyrene	599	30	666.7	0	89.8	45-125	0
Surr: 2,4,6-Tribromophenol	*1441*	0	*1667*	0	*86.5*	*34-140*	0
Surr: 2-Fluorobiphenyl	*1318*	0	*1667*	0	*79.1*	*12-100*	0
Surr: 2-Fluorophenol	*1518*	0	*1667*	0	*91.1*	*33-117*	0
Surr: 4-Terphenyl-d14	*1732*	0	*1667*	0	*104*	*25-137*	0
Surr: Nitrobenzene-d5	*1424*	0	*1667*	0	*85.4*	*37-107*	0
Surr: Phenol-d6	*1460*	0	*1667*	0	*87.6*	*40-106*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

MS Sample ID: **1303834-09B MS** Units: **µg/Kg** Analysis Date: **4/1/2013 05:08 AM**
Client ID: **SB-6 (6-8')** Run ID: **SVMS6_130331A** SeqNo: **2258586** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1108	320	1328	0	83.4	50-110	0			
2,4,6-Trichlorophenol	1049	320	1328	0	79	45-110	0			
2,4-Dichlorophenol	1122	320	1328	0	84.5	45-110	0			
2,4-Dimethylphenol	675.1	660	1328	0	50.8	30-105	0			
2,4-Dinitrophenol	1005	1,300	1328	0	75.7	15-130	0			J
2,4-Dinitrotoluene	1157	320	1328	0	87.1	50-115	0			
2,6-Dinitrotoluene	1138	320	1328	0	85.7	50-110	0			
2-Chloronaphthalene	1083	160	1328	0	81.6	45-105	0			
2-Chlorophenol	1101	320	1328	0	82.9	45-105	0			
2-Methylnaphthalene	1126	160	1328	0	84.8	45-105	0			
2-Methylphenol	1046	320	1328	0	78.7	40-105	0			
2-Nitroaniline	1171	1,300	1328	0	88.2	45-120	0			J
2-Nitrophenol	1103	320	1328	0	83.1	40-110	0			
3-Nitroaniline	1167	1,300	1328	0	87.9	25-110	0			J
4-Bromophenyl phenyl ether	1125	320	1328	0	84.7	45-115	0			
4-Chloro-3-methylphenol	1154	320	1328	0	86.9	45-115	0			
4-Chloroaniline	446.8	1,300	1328	0	33.6	15-110	0			J
4-Chlorophenyl phenyl ether	1214	320	1328	0	91.4	45-110	0			
4-Methylphenol	1092	320	1328	0	82.2	40-105	0			
4-Nitroaniline	1284	1,300	1328	0	96.7	35-150	0			J
4-Nitrophenol	1279	1,300	1328	0	96.3	15-140	0			J
Acenaphthene	1074	60	1328	0	80.9	45-110	0			
Acenaphthylene	1084	60	1328	0	81.6	45-105	0			
Anthracene	1157	60	1328	0	87.1	55-105	0			
Benzo(a)anthracene	1165	60	1328	37.67	84.9	50-110	0			
Benzo(a)pyrene	1221	60	1328	33.7	89.4	50-110	0			
Benzo(b)fluoranthene	1208	60	1328	46.26	87.5	45-115	0			
Benzo(g,h,i)perylene	1235	60	1328	25.44	91.1	40-125	0			
Benzo(k)fluoranthene	1300	60	1328	18.83	96.5	45-115	0			
Bis(2-chloroethoxy)methane	1082	320	1328	0	81.5	45-110	0			
Bis(2-chloroethyl)ether	1050	320	1328	0	79	40-105	0			
Bis(2-chloroisopropyl)ether	1172	320	1328	0	88.3	20-115	0			
Bis(2-ethylhexyl)phthalate	1255	660	1328	0	94.5	45-125	0			
Butyl benzyl phthalate	1237	320	1328	0	93.1	50-125	0			
Carbazole	2123	320	1328	0	160	50-150	0			S
Chrysene	1220	60	1328	41.96	88.7	55-110	0			
Dibenzo(a,h)anthracene	1308	60	1328	0	98.5	40-125	0			
Dibenzofuran	1114	320	1328	0	83.9	50-105	0			
Diethyl phthalate	1152	660	1328	0	86.7	50-115	0			
Dimethyl phthalate	1078	660	1328	0	81.2	50-110	0			
Di-n-butyl phthalate	1234	660	1328	0	92.9	55-110	0			
Di-n-octyl phthalate	1334	320	1328	0	100	40-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

Fluoranthene	1218	60	1328	83.93	85.4	55-115	0	
Fluorene	1186	60	1328	0	89.3	50-110	0	
Hexachlorobenzene	1154	320	1328	0	86.9	45-120	0	
Hexachlorobutadiene	1032	320	1328	0	77.7	40-115	0	
Hexachlorocyclopentadiene	531.7	660	1328	0	40	40-115	0	J
Hexachloroethane	1031	320	1328	0	77.6	35-110	0	
Indeno(1,2,3-cd)pyrene	1310	60	1328	20.82	97.1	40-120	0	
Isophorone	1069	320	1328	0	80.5	45-110	0	
Naphthalene	1075	60	1328	0	80.9	40-105	0	
Nitrobenzene	1091	320	1328	0	82.2	40-115	0	
N-Nitrosodi-n-propylamine	1162	320	1328	0	87.5	40-115	0	
N-Nitrosodiphenylamine	1218	320	1328	0	91.7	50-115	0	
Pentachlorophenol	1240	660	1328	0	93.4	25-120	0	
Phenanthrene	1168	60	1328	48.24	84.4	50-110	0	
Phenol	1103	320	1328	0	83.1	40-100	0	
Pyrene	1160	60	1328	65.75	82.4	45-125	0	
Surr: 2,4,6-Tribromophenol	*2967*	0	*3319*	0	*89.4*	*34-140*	0	
Surr: 2-Fluorobiphenyl	*2513*	0	*3319*	0	*75.7*	*12-100*	0	
Surr: 2-Fluorophenol	*2862*	0	*3319*	0	*86.2*	*33-117*	0	
Surr: 4-Terphenyl-d14	*3317*	0	*3319*	0	*99.9*	*25-137*	0	
Surr: Nitrobenzene-d5	*2700*	0	*3319*	0	*81.3*	*37-107*	0	
Surr: Phenol-d6	*2793*	0	*3319*	0	*84.2*	*40-106*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

MSD Sample ID: **1303834-09B MSD** Units: **µg/Kg** Analysis Date: **4/1/2013 05:37 AM**

Client ID: **SB-6 (6-8')** Run ID: **SVMS6_130331A** SeqNo: **2258587** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	1098	310	1297	0	84.7	50-110	1108	0.881	30	
2,4,6-Trichlorophenol	1041	310	1297	0	80.2	45-110	1049	0.798	30	
2,4-Dichlorophenol	1137	310	1297	0	87.7	45-110	1122	1.35	30	
2,4-Dimethylphenol	560.8	640	1297	0	43.2	30-105	675.1	0	30	J
2,4-Dinitrophenol	899.8	1,300	1297	0	69.4	15-130	1005	0	30	J
2,4-Dinitrotoluene	1149	310	1297	0	88.6	50-115	1157	0.718	30	
2,6-Dinitrotoluene	1133	310	1297	0	87.4	50-110	1138	0.404	30	
2-Chloronaphthalene	1112	160	1297	0	85.7	45-105	1083	2.59	30	
2-Chlorophenol	1129	310	1297	0	87.1	45-105	1101	2.57	30	
2-Methylnaphthalene	1153	160	1297	0	88.9	45-105	1126	2.41	30	
2-Methylphenol	1050	310	1297	0	80.9	40-105	1046	0.387	30	
2-Nitroaniline	1190	1,300	1297	0	91.8	45-120	1171	0	30	J
2-Nitrophenol	1116	310	1297	0	86	40-110	1103	1.12	30	
3-Nitroaniline	1187	1,300	1297	0	91.5	25-110	1167	0	30	J
4-Bromophenyl phenyl ether	1116	310	1297	0	86	45-115	1125	0.846	30	
4-Chloro-3-methylphenol	1149	310	1297	0	88.6	45-115	1154	0.488	30	
4-Chloroaniline	547.2	1,300	1297	0	42.2	15-110	446.8	0	30	J
4-Chlorophenyl phenyl ether	1230	310	1297	0	94.9	45-110	1214	1.33	30	
4-Methylphenol	1118	310	1297	0	86.2	40-105	1092	2.32	30	
4-Nitroaniline	1374	1,300	1297	0	106	35-150	1284	6.81	30	
4-Nitrophenol	1262	1,300	1297	0	97.3	15-140	1279	0	30	J
Acenaphthene	1090	58	1297	0	84.1	45-110	1074	1.51	30	
Acenaphthylene	1109	58	1297	0	85.5	45-105	1084	2.3	30	
Anthracene	1140	58	1297	0	87.9	55-105	1157	1.45	30	
Benzo(a)anthracene	1160	58	1297	37.67	86.5	50-110	1165	0.449	30	
Benzo(a)pyrene	1203	58	1297	33.7	90.1	50-110	1221	1.5	30	
Benzo(b)fluoranthene	1235	58	1297	46.26	91.7	45-115	1208	2.2	30	
Benzo(g,h,i)perylene	1206	58	1297	25.44	91	40-125	1235	2.37	30	
Benzo(k)fluoranthene	1240	58	1297	18.83	94.1	45-115	1300	4.8	30	
Bis(2-chloroethoxy)methane	1109	310	1297	0	85.5	45-110	1082	2.48	30	
Bis(2-chloroethyl)ether	1076	310	1297	0	82.9	40-105	1050	2.45	30	
Bis(2-chloroisopropyl)ether	1219	310	1297	0	94	20-115	1172	3.89	30	
Bis(2-ethylhexyl)phthalate	1268	640	1297	0	97.8	45-125	1255	1.01	30	
Butyl benzyl phthalate	1253	310	1297	0	96.6	50-125	1237	1.27	30	
Carbazole	2104	310	1297	0	162	50-150	2123	0.909	30	S
Chrysene	1200	58	1297	41.96	89.3	55-110	1220	1.66	30	
Dibenzo(a,h)anthracene	1306	58	1297	0	101	40-125	1308	0.16	30	
Dibenzofuran	1125	310	1297	0	86.8	50-105	1114	1.03	30	
Diethyl phthalate	1144	640	1297	0	88.2	50-115	1152	0.654	30	
Dimethyl phthalate	1096	640	1297	0	84.5	50-110	1078	1.62	30	
Di-n-butyl phthalate	1240	640	1297	0	95.6	55-110	1234	0.443	30	
Di-n-octyl phthalate	1354	310	1297	0	104	40-130	1334	1.49	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47241** Instrument ID **SVMS6** Method: **SW8270**

Fluoranthene	1171	58	1297	83.93	83.9	55-115	1218	3.91	30	
Fluorene	1195	58	1297	0	92.1	50-110	1186	0.773	30	
Hexachlorobenzene	1148	310	1297	0	88.5	45-120	1154	0.487	30	
Hexachlorobutadiene	1062	310	1297	0	81.9	40-115	1032	2.83	30	
Hexachlorocyclopentadiene	514.1	640	1297	0	39.6	40-115	531.7	0	30	JS
Hexachloroethane	1059	310	1297	0	81.7	35-110	1031	2.72	30	
Indeno(1,2,3-cd)pyrene	1281	58	1297	20.82	97.2	40-120	1310	2.27	30	
Isophorone	1095	310	1297	0	84.4	45-110	1069	2.42	30	
Naphthalene	1089	58	1297	0	84	40-105	1075	1.33	30	
Nitrobenzene	1114	310	1297	0	85.9	40-115	1091	2.09	30	
N-Nitrosodi-n-propylamine	1201	310	1297	0	92.6	40-115	1162	3.3	30	
N-Nitrosodiphenylamine	1207	310	1297	0	93.1	50-115	1218	0.908	30	
Pentachlorophenol	1221	640	1297	0	94.2	25-120	1240	1.52	30	
Phenanthrene	1131	58	1297	48.24	83.5	50-110	1168	3.22	30	
Phenol	1138	310	1297	0	87.7	40-100	1103	3.08	30	
Pyrene	1158	58	1297	65.75	84.2	45-125	1160	0.218	30	
Surr: 2,4,6-Tribromophenol	*2867*	0	*3242*	0	*88.4*	*34-140*	2967	*3.45*	*40*	
Surr: 2-Fluorobiphenyl	*2564*	0	*3242*	0	*79.1*	*12-100*	2513	*2.03*	*40*	
Surr: 2-Fluorophenol	*2920*	0	*3242*	0	*90.1*	*33-117*	2862	*2.01*	*40*	
Surr: 4-Terphenyl-d14	*3260*	0	*3242*	0	*101*	*25-137*	3317	*1.73*	*40*	
Surr: Nitrobenzene-d5	*2733*	0	*3242*	0	*84.3*	*37-107*	2700	*1.23*	*40*	
Surr: Phenol-d6	*2838*	0	*3242*	0	*87.5*	*40-106*	2793	*1.57*	*40*	

The following samples were analyzed in this batch:

1303834-01B	1303834-02B	1303834-03B
1303834-04B	1303834-06B	1303834-07B
1303834-08B	1303834-09B	1303834-10B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47242** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **DBLKS1-47242-47242** Units: **mg/Kg** Analysis Date: **4/1/2013 01:58 AM**
Client ID: Run ID: **SVMS6_130331A** SeqNo: **2258547** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	U	4.2								
ORO (C21-C35)	U	4.2								
Surr: 4-Terphenyl-d14	*1.723*	0	*1.667*	0	*103*	*25-137*	0			

LCS Sample ID: **DLCSS1-47242-47242** Units: **mg/Kg** Analysis Date: **4/1/2013 03:27 AM**
Client ID: Run ID: **SVMS6_130331A** SeqNo: **2258551** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	132.4	4.2	166.7	0	79.4	49-124	0			
ORO (C21-C35)	139.4	4.2	166.7	0	83.6	60-130	0			
Surr: 4-Terphenyl-d14	*1.675*	0	*1.667*	0	*101*	*25-137*	0			

MS Sample ID: **1303834-09B MS** Units: **mg/Kg** Analysis Date: **4/1/2013 06:07 AM**
Client ID: **SB-6 (6-8')** Run ID: **SVMS6_130331A** SeqNo: **2258555** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	256.2	8.3	331.6	0	77.3	31-135	0			
ORO (C21-C35)	301.1	8.3	331.6	13.57	86.7	31-135	0			
Surr: 4-Terphenyl-d14	*3.358*	0	*3.316*	0	*101*	*25-137*	0			

MSD Sample ID: **1303834-09B MSD** Units: **mg/Kg** Analysis Date: **4/1/2013 06:37 AM**
Client ID: **SB-6 (6-8')** Run ID: **SVMS6_130331A** SeqNo: **2258559** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	262	8.1	324.1	0	80.8	31-135	256.2	2.22	30	
ORO (C21-C35)	296.4	8.1	324.1	13.57	87.3	31-135	301.1	1.58	30	
Surr: 4-Terphenyl-d14	*3.313*	0	*3.241*	0	*102*	*25-137*	3.358	*1.35*	*30*	

The following samples were analyzed in this batch:

1303834-01B	1303834-02B	1303834-03B
1303834-04B	1303834-06B	1303834-07B
1303834-08B	1303834-09B	1303834-10B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

MBLK Sample ID: **SBLKW1-47243-47243** Units: **µg/L** Analysis Date: **3/28/2013 10:40 PM**
Client ID: Run ID: **SVMS7_130328A** SeqNo: **2254344** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1`-Biphenyl	U	5.0								
2,4,5-Trichlorophenol	U	5.0								
2,4,6-Trichlorophenol	U	5.0								
2,4-Dichlorophenol	U	10								
2,4-Dimethylphenol	U	5.0								
2,4-Dinitrophenol	U	5.0								
2,4-Dinitrotoluene	U	5.0								
2,6-Dinitrotoluene	U	5.0								
2-Chloronaphthalene	U	5.0								
2-Chlorophenol	U	5.0								
2-Methylnaphthalene	U	5.0								
2-Methylphenol	U	5.0								
2-Nitroaniline	U	20								
2-Nitrophenol	U	5.0								
3,3´-Dichlorobenzidine	U	5.0								
3-Nitroaniline	U	20								
4,6-Dinitro-2-methylphenol	U	20								
4-Bromophenyl phenyl ether	U	5.0								
4-Chloro-3-methylphenol	U	5.0								
4-Chloroaniline	U	20								
4-Chlorophenyl phenyl ether	U	5.0								
4-Methylphenol	U	5.0								
4-Nitroaniline	U	20								
4-Nitrophenol	U	20								
Acenaphthene	U	5.0								
Acenaphthylene	U	5.0								
Acetophenone	U	1.0								
Anthracene	U	5.0								
Atrazine	U	1.0								
Benzaldehyde	U	1.0								
Benzo(a)anthracene	U	5.0								
Benzo(a)pyrene	U	5.0								
Benzo(b)fluoranthene	U	5.0								
Benzo(g,h,i)perylene	U	5.0								
Benzo(k)fluoranthene	U	5.0								
Bis(2-chloroethoxy)methane	U	5.0								
Bis(2-chloroethyl)ether	U	5.0								
Bis(2-chloroisopropyl)ether	U	5.0								
Bis(2-ethylhexyl)phthalate	1.96	5.0								J
Butyl benzyl phthalate	U	5.0								
Caprolactam	U	10								
Carbazole	U	10								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

Chrysene	U	5.0						
Dibenzo(a,h)anthracene	U	5.0						
Dibenzofuran	U	5.0						
Diethyl phthalate	U	20						
Dimethyl phthalate	U	20						
Di-n-butyl phthalate	1.04	5.0						J
Di-n-octyl phthalate	0.56	5.0						J
Fluoranthene	U	5.0						
Fluorene	U	5.0						
Hexachlorobenzene	U	5.0						
Hexachlorobutadiene	U	5.0						
Hexachlorocyclopentadiene	U	20						
Hexachloroethane	U	5.0						
Indeno(1,2,3-cd)pyrene	U	5.0						
Isophorone	U	5.0						
Naphthalene	U	5.0						
Nitrobenzene	U	5.0						
N-Nitrosodi-n-propylamine	U	5.0						
N-Nitrosodiphenylamine	U	5.0						
Pentachlorophenol	U	20						
Phenanthrene	U	5.0						
Phenol	U	5.0						
Pyrene	U	5.0						
Surr: 2,4,6-Tribromophenol	*27.48*	0	*50*	0	*55*	*38-115*	0	
Surr: 2-Fluorobiphenyl	*26.89*	0	*50*	0	*53.8*	*32-100*	0	
Surr: 2-Fluorophenol	*16.55*	0	*50*	0	*33.1*	*22-59*	0	
Surr: 4-Terphenyl-d14	*47.34*	0	*50*	0	*94.7*	*23-112*	0	
Surr: Nitrobenzene-d5	*27.89*	0	*50*	0	*55.8*	*31-93*	0	
Surr: Phenol-d6	*8.25*	0	*50*	0	*16.5*	*13-36*	0	

MBLK Sample ID: **SBLKW1-47243-47243** Units: **µg/L** Analysis Date: **3/28/2013 10:40 PM**

Client ID: Run ID: **SVMS7_130328A** SeqNo: **2254378** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	U	5.0								
2,4,6-Trichlorophenol	U	5.0								
2,4-Dinitrotoluene	U	5.0								
Hexachlorobenzene	U	5.0								
Hexachloroethane	U	5.0								
Nitrobenzene	U	5.0								
Pentachlorophenol	U	20								
Surr: 2,4,6-Tribromophenol	*27.48*	0	*50*	0	*55*	*21-125*	0			
Surr: 2-Fluorobiphenyl	*26.89*	0	*50*	0	*53.8*	*36-94*	0			
Surr: 2-Fluorophenol	*16.55*	0	*50*	0	*33.1*	*10-75*	0			
Surr: 4-Terphenyl-d14	*47.34*	0	*50*	0	*94.7*	*26-119*	0			
Surr: Nitrobenzene-d5	*27.89*	0	*50*	0	*55.8*	*41-104*	0			
Surr: Phenol-d6	*8.25*	0	*50*	0	*16.5*	*11-50*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

LCS Sample ID: **SLCSW1-47243-47243** Units: **µg/L** Analysis Date: **3/28/2013 11:20 AM**

Client ID: Run ID: **SVMS7_130328A** SeqNo: **2252096** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	12.1	5.0	20	0	60.5	50-110	0			
2,4,6-Trichlorophenol	12.23	5.0	20	0	61.2	50-115	0			
2,4-Dichlorophenol	13.44	10	20	0	67.2	50-105	0			
2,4-Dimethylphenol	13.23	5.0	20	0	66.2	30-110	0			
2,4-Dinitrophenol	11.47	5.0	20	0	57.4	15-140	0			
2,4-Dinitrotoluene	15.45	5.0	20	0	77.2	50-120	0			
2,6-Dinitrotoluene	14.61	5.0	20	0	73	50-115	0			
2-Chloronaphthalene	13.93	5.0	20	0	69.6	50-105	0			
2-Chlorophenol	13.17	5.0	20	0	65.8	35-105	0			
2-Methylnaphthalene	14.66	5.0	20	0	73.3	45-105	0			
2-Methylphenol	11.05	5.0	20	0	55.2	40-110	0			
2-Nitroaniline	16.27	20	20	0	81.4	50-115	0			J
2-Nitrophenol	13.52	5.0	20	0	67.6	40-115	0			
3-Nitroaniline	11.59	20	20	0	58	20-125	0			J
4,6-Dinitro-2-methylphenol	13.12	20	20	0	65.6	40-130	0			J
4-Bromophenyl phenyl ether	12.97	5.0	20	0	64.8	50-115	0			
4-Chloro-3-methylphenol	14.57	5.0	20	0	72.8	45-110	0			
4-Chloroaniline	16.57	20	20	0	82.8	15-110	0			J
4-Chlorophenyl phenyl ether	14.36	5.0	20	0	71.8	50-110	0			
4-Methylphenol	9.64	5.0	20	0	48.2	30-110	0			
4-Nitroaniline	13.19	20	20	0	66	35-150	0			J
4-Nitrophenol	2.4	20	20	0	12	1-58	0			J
Acenaphthene	14.4	5.0	20	0	72	45-110	0			
Acenaphthylene	14.93	5.0	20	0	74.6	50-105	0			
Anthracene	15.43	5.0	20	0	77.2	55-110	0			
Benzo(a)anthracene	15.28	5.0	20	0	76.4	55-110	0			
Benzo(a)pyrene	15.71	5.0	20	0	78.6	55-110	0			
Benzo(b)fluoranthene	15.94	5.0	20	0	79.7	45-120	0			
Benzo(g,h,i)perylene	15.03	5.0	20	0	75.2	40-125	0			
Benzo(k)fluoranthene	16.12	5.0	20	0	80.6	45-125	0			
Bis(2-chloroethoxy)methane	14.95	5.0	20	0	74.8	45-105	0			
Bis(2-chloroethyl)ether	15.27	5.0	20	0	76.4	35-110	0			
Bis(2-chloroisopropyl)ether	16.17	5.0	20	0	80.8	25-130	0			
Bis(2-ethylhexyl)phthalate	16.96	5.0	20	0	84.8	40-125	0			
Butyl benzyl phthalate	16.4	5.0	20	0	82	45-115	0			
Carbazole	15.16	10	20	0	75.8	50-150	0			
Chrysene	15.78	5.0	20	0	78.9	55-110	0			
Dibenzo(a,h)anthracene	16.73	5.0	20	0	83.6	40-125	0			
Dibenzofuran	14.41	5.0	20	0	72	55-105	0			
Diethyl phthalate	16.07	20	20	0	80.4	40-120	0			J
Dimethyl phthalate	15.08	20	20	0	75.4	25-125	0			J
Di-n-butyl phthalate	15.97	5.0	20	0	79.8	55-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

Di-n-octyl phthalate	18.13	5.0	20	0	90.6	35-135	0		
Fluoranthene	15.72	5.0	20	0	78.6	55-115	0		
Fluorene	14.05	5.0	20	0	70.2	50-110	0		
Hexachlorobenzene	12.87	5.0	20	0	64.4	50-110	0		
Hexachlorobutadiene	12.32	5.0	20	0	61.6	25-105	0		
Hexachlorocyclopentadiene	7.44	20	20	0	37.2	25-105	0		J
Hexachloroethane	15.26	5.0	20	0	76.3	30-95	0		
Indeno(1,2,3-cd)pyrene	16.96	5.0	20	0	84.8	45-125	0		
Isophorone	15.18	5.0	20	0	75.9	50-110	0		
Naphthalene	14.43	5.0	20	0	72.2	40-100	0		
Nitrobenzene	14.79	5.0	20	0	74	45-110	0		
N-Nitrosodi-n-propylamine	16.54	5.0	20	0	82.7	35-130	0		
N-Nitrosodiphenylamine	15.36	5.0	20	0	76.8	50-110	0		
Pentachlorophenol	12.14	20	20	0	60.7	40-115	0		J
Phenanthrene	14.52	5.0	20	0	72.6	50-115	0		
Phenol	5.23	5.0	20	0	26.2	12-43	0		
Pyrene	16.62	5.0	20	0	83.1	50-130	0		
Surr: 2,4,6-Tribromophenol	*26.28*	0	*50*	0	*52.6*	*38-115*	0		
Surr: 2-Fluorobiphenyl	*29.95*	0	*50*	0	*59.9*	*32-100*	0		
Surr: 2-Fluorophenol	*18.32*	0	*50*	0	*36.6*	*22-59*	0		
Surr: 4-Terphenyl-d14	*43.81*	0	*50*	0	*87.6*	*23-112*	0		
Surr: Nitrobenzene-d5	*35.29*	0	*50*	0	*70.6*	*31-93*	0		
Surr: Phenol-d6	*10.91*	0	*50*	0	*21.8*	*13-36*	0		

LCS Sample ID: **SLCSW1-47243-47243** Units: **µg/L** Analysis Date: **3/28/2013 11:20 AM**

Client ID: Run ID: **SVMS7_130328A** SeqNo: **2254377** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	12.1	5.0	20	0	60.5	50-110	0			
2,4,6-Trichlorophenol	12.23	5.0	20	0	61.2	50-115	0			
2,4-Dinitrotoluene	15.45	5.0	20	0	77.2	50-120	0			
Hexachlorobenzene	12.87	5.0	20	0	64.4	50-110	0			
Hexachloroethane	15.26	5.0	20	0	76.3	30-95	0			
Nitrobenzene	14.79	5.0	20	0	74	45-110	0			
Pentachlorophenol	12.14	20	20	0	60.7	40-115	0			J
Surr: 2,4,6-Tribromophenol	*26.28*	0	*50*	0	*52.6*	*21-125*	0			
Surr: 2-Fluorobiphenyl	*29.95*	0	*50*	0	*59.9*	*36-94*	0			
Surr: 2-Fluorophenol	*18.32*	0	*50*	0	*36.6*	*10-75*	0			
Surr: 4-Terphenyl-d14	*43.81*	0	*50*	0	*87.6*	*26-119*	0			
Surr: Nitrobenzene-d5	*35.29*	0	*50*	0	*70.6*	*41-104*	0			
Surr: Phenol-d6	*10.91*	0	*50*	0	*21.8*	*11-50*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

MS Sample ID: **1303834-12B MS** Units: **µg/L** Analysis Date: **3/29/2013 12:43 PM**
Client ID: **Rinsate Blank** Run ID: **SVMS7_130328A** SeqNo: **2254347** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	128.2	50	200	0	64.1	50-110	0			
2,4,6-Trichlorophenol	126.1	50	200	0	63	50-115	0			
2,4-Dichlorophenol	133.2	100	200	0	66.6	50-105	0			
2,4-Dimethylphenol	129.9	50	200	0	65	30-110	0			
2,4-Dinitrophenol	74.7	50	200	0	37.4	15-140	0			
2,4-Dinitrotoluene	147.9	50	200	0	74	50-120	0			
2,6-Dinitrotoluene	146.6	50	200	0	73.3	50-115	0			
2-Chloronaphthalene	146.9	50	200	0	73.4	50-105	0			
2-Chlorophenol	132.8	50	200	0	66.4	35-105	0			
2-Methylnaphthalene	149.7	50	200	0	74.8	45-105	0			
2-Methylphenol	109.1	50	200	0	54.6	40-110	0			
2-Nitroaniline	143.2	200	200	0	71.6	50-115	0			J
2-Nitrophenol	128.5	50	200	0	64.2	40-115	0			
3-Nitroaniline	122	200	200	0	61	20-125	0			J
4,6-Dinitro-2-methylphenol	104.2	200	200	0	52.1	40-130	0			J
4-Bromophenyl phenyl ether	146.4	50	200	0	73.2	50-115	0			
4-Chloro-3-methylphenol	130.5	50	200	0	65.2	45-110	0			
4-Chloroaniline	182.4	200	200	0	91.2	15-110	0			J
4-Chlorophenyl phenyl ether	150.7	50	200	0	75.4	50-110	0			
4-Methylphenol	95.4	50	200	0	47.7	30-110	0			
4-Nitroaniline	142.3	200	200	0	71.2	35-150	0			J
4-Nitrophenol	93.9	200	200	0	47	1-58	0			J
Acenaphthene	142.1	50	200	0	71	45-110	0			
Acenaphthylene	152.5	50	200	0	76.2	50-105	0			
Anthracene	159.1	50	200	0	79.6	55-110	0			
Benzo(a)anthracene	148.8	50	200	0	74.4	55-110	0			
Benzo(a)pyrene	144.5	50	200	0	72.2	55-110	0			
Benzo(b)fluoranthene	143.6	50	200	0	71.8	45-120	0			
Benzo(g,h,i)perylene	137.2	50	200	0	68.6	40-125	0			
Benzo(k)fluoranthene	165.9	50	200	0	83	45-125	0			
Bis(2-chloroethoxy)methane	142.5	50	200	0	71.2	45-105	0			
Bis(2-chloroethyl)ether	138	50	200	0	69	35-110	0			
Bis(2-chloroisopropyl)ether	145	50	200	0	72.5	25-130	0			
Bis(2-ethylhexyl)phthalate	191.2	50	200	1.78	94.7	40-125	0			
Butyl benzyl phthalate	168.3	50	200	0	84.2	45-115	0			
Carbazole	185.3	100	200	0	92.6	50-150	0			
Chrysene	153.5	50	200	0	76.8	55-110	0			
Dibenzo(a,h)anthracene	141.3	50	200	0	70.6	40-125	0			
Dibenzofuran	145.5	50	200	0	72.8	55-105	0			
Diethyl phthalate	163.5	200	200	0	81.8	40-120	0			J
Dimethyl phthalate	155.9	200	200	0	78	25-125	0			J
Di-n-butyl phthalate	181.6	50	200	0	90.8	55-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

Di-n-octyl phthalate	156.4	50	200	0	78.2	35-135	0		
Fluoranthene	171	50	200	0	85.5	55-115	0		
Fluorene	158.5	50	200	0	79.2	50-110	0		
Hexachlorobenzene	142.6	50	200	0	71.3	50-110	0		
Hexachlorobutadiene	131.3	50	200	0	65.6	25-105	0		
Hexachlorocyclopentadiene	97.6	200	200	0	48.8	25-105	0		J
Hexachloroethane	137.8	50	200	0	68.9	30-95	0		
Indeno(1,2,3-cd)pyrene	140.7	50	200	0	70.4	45-125	0		
Isophorone	149.7	50	200	0	74.8	50-110	0		
Naphthalene	139.7	50	200	0	69.8	40-100	0		
Nitrobenzene	137.1	50	200	0	68.6	45-110	0		
N-Nitrosodi-n-propylamine	149.3	50	200	0	74.6	35-130	0		
N-Nitrosodiphenylamine	161	50	200	0	80.5	50-110	0		
Pentachlorophenol	134.3	200	200	0	67.2	40-115	0		J
Phenanthrene	155	50	200	0	77.5	50-115	0		
Phenol	51.3	50	200	0	25.6	12-43	0		
Pyrene	160.7	50	200	0	80.4	50-130	0		
Surr: 2,4,6-Tribromophenol	*348.7*	0	*500*	0	*69.7*	*38-115*	0		
Surr: 2-Fluorobiphenyl	*336.7*	0	*500*	0	*67.3*	*32-100*	0		
Surr: 2-Fluorophenol	*190.6*	0	*500*	0	*38.1*	*22-59*	0		
Surr: 4-Terphenyl-d14	*449.5*	0	*500*	0	*89.9*	*23-112*	0		
Surr: Nitrobenzene-d5	*340*	0	*500*	0	*68*	*31-93*	0		
Surr: Phenol-d6	*109.3*	0	*500*	0	*21.9*	*13-36*	0		

MS Sample ID: **1303834-12B MS** Units: **µg/L** Analysis Date: **3/29/2013 12:43 PM**

Client ID: **Rinsate Blank** Run ID: **SVMS7_130328A** SeqNo: **2254391** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	128.2	50	200	0	64.1	50-110	0			
2,4,6-Trichlorophenol	126.1	50	200	0	63	50-115	0			
2,4-Dinitrotoluene	147.9	50	200	0	74	50-120	0			
Hexachlorobenzene	142.6	50	200	0	71.3	50-110	0			
Hexachloroethane	137.8	50	200	0	68.9	30-95	0			
Nitrobenzene	137.1	50	200	0	68.6	45-110	0			
Pentachlorophenol	134.3	200	200	0	67.2	40-115	0			J
Surr: 2,4,6-Tribromophenol	*348.7*	0	*500*	0	*69.7*	*21-125*	0			
Surr: 2-Fluorobiphenyl	*336.7*	0	*500*	0	*67.3*	*36-94*	0			
Surr: 2-Fluorophenol	*190.6*	0	*500*	0	*38.1*	*10-75*	0			
Surr: 4-Terphenyl-d14	*449.5*	0	*500*	0	*89.9*	*26-119*	0			
Surr: Nitrobenzene-d5	*340*	0	*500*	0	*68*	*41-104*	0			
Surr: Phenol-d6	*109.3*	0	*500*	0	*21.9*	*11-50*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

MSD Sample ID: **1303834-12B MSD** Units: **µg/L** Analysis Date: **3/29/2013 01:10 AM**
Client ID: **Rinsate Blank** Run ID: **SVMS7_130328A** SeqNo: **2254345** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	127.1	50	200	0	63.6	50-110	128.2	0.862	30	
2,4,6-Trichlorophenol	126	50	200	0	63	50-115	126.1	0.0793	30	
2,4-Dichlorophenol	138.5	100	200	0	69.2	50-105	133.2	3.9	30	
2,4-Dimethylphenol	125.1	50	200	0	62.6	30-110	129.9	3.76	30	
2,4-Dinitrophenol	91.6	50	200	0	45.8	15-140	74.7	20.3	30	
2,4-Dinitrotoluene	146	50	200	0	73	50-120	147.9	1.29	30	
2,6-Dinitrotoluene	143.4	50	200	0	71.7	50-115	146.6	2.21	30	
2-Chloronaphthalene	146.4	50	200	0	73.2	50-105	146.9	0.341	30	
2-Chlorophenol	136.2	50	200	0	68.1	35-105	132.8	2.53	30	
2-Methylnaphthalene	155.3	50	200	0	77.6	45-105	149.7	3.67	30	
2-Methylphenol	110.2	50	200	0	55.1	40-110	109.1	1	30	
2-Nitroaniline	139.5	200	200	0	69.8	50-115	143.2	0	30	J
2-Nitrophenol	138	50	200	0	69	40-115	128.5	7.13	30	
3-Nitroaniline	111.5	200	200	0	55.8	20-125	122	0	30	J
4,6-Dinitro-2-methylphenol	130.4	200	200	0	65.2	40-130	104.2	0	30	J
4-Bromophenyl phenyl ether	150.2	50	200	0	75.1	50-115	146.4	2.56	30	
4-Chloro-3-methylphenol	134.3	50	200	0	67.2	45-110	130.5	2.87	30	
4-Chloroaniline	179.2	200	200	0	89.6	15-110	182.4	0	30	J
4-Chlorophenyl phenyl ether	150.1	50	200	0	75	50-110	150.7	0.399	30	
4-Methylphenol	96.6	50	200	0	48.3	30-110	95.4	1.25	30	
4-Nitroaniline	128.3	200	200	0	64.2	35-150	142.3	0	30	J
4-Nitrophenol	87.4	200	200	0	43.7	1-58	93.9	0	0	J
Acenaphthene	142.8	50	200	0	71.4	45-110	142.1	0.491	30	
Acenaphthylene	150.7	50	200	0	75.4	50-105	152.5	1.19	30	
Anthracene	159.6	50	200	0	79.8	55-110	159.1	0.314	30	
Benzo(a)anthracene	146.5	50	200	0	73.2	55-110	148.8	1.56	30	
Benzo(a)pyrene	144.3	50	200	0	72.2	55-110	144.5	0.139	30	
Benzo(b)fluoranthene	136.3	50	200	0	68.2	45-120	143.6	5.22	30	
Benzo(g,h,i)perylene	139.2	50	200	0	69.6	40-125	137.2	1.45	30	
Benzo(k)fluoranthene	170	50	200	0	85	45-125	165.9	2.44	30	
Bis(2-chloroethoxy)methane	147.5	50	200	0	73.8	45-105	142.5	3.45	30	
Bis(2-chloroethyl)ether	142.3	50	200	0	71.2	35-110	138	3.07	30	
Bis(2-chloroisopropyl)ether	151.2	50	200	0	75.6	25-130	145	4.19	30	
Bis(2-ethylhexyl)phthalate	191.1	50	200	1.78	94.7	40-125	191.2	0.0523	30	
Butyl benzyl phthalate	171.5	50	200	0	85.8	45-115	168.3	1.88	30	
Carbazole	186.5	100	200	0	93.2	50-150	185.3	0.646	30	
Chrysene	154.1	50	200	0	77	55-110	153.5	0.39	30	
Dibenzo(a,h)anthracene	141.6	50	200	0	70.8	40-125	141.3	0.212	30	
Dibenzofuran	144.4	50	200	0	72.2	55-105	145.5	0.759	30	
Diethyl phthalate	158.3	200	200	0	79.2	40-120	163.5	0	30	J
Dimethyl phthalate	150.1	200	200	0	75	25-125	155.9	0	30	J
Di-n-butyl phthalate	183.1	50	200	0	91.6	55-115	181.6	0.823	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **47243** Instrument ID **SVMS7** Method: **SW8270**

Di-n-octyl phthalate	155	50	200	0	77.5	35-135	156.4	0.899	30	
Fluoranthene	172.1	50	200	0	86	55-115	171	0.641	30	
Fluorene	156.2	50	200	0	78.1	50-110	158.5	1.46	30	
Hexachlorobenzene	145.1	50	200	0	72.6	50-110	142.6	1.74	30	
Hexachlorobutadiene	140.1	50	200	0	70	25-105	131.3	6.48	30	
Hexachlorocyclopentadiene	101.5	200	200	0	50.8	25-105	97.6	0	30	J
Hexachloroethane	144.7	50	200	0	72.4	30-95	137.8	4.88	30	
Indeno(1,2,3-cd)pyrene	140.9	50	200	0	70.4	45-125	140.7	0.142	30	
Isophorone	154.5	50	200	0	77.2	50-110	149.7	3.16	30	
Naphthalene	145.2	50	200	0	72.6	40-100	139.7	3.86	30	
Nitrobenzene	145.1	50	200	0	72.6	45-110	137.1	5.67	30	
N-Nitrosodi-n-propylamine	156.5	50	200	0	78.2	35-130	149.3	4.71	30	
N-Nitrosodiphenylamine	166.9	50	200	0	83.4	50-110	161	3.6	30	
Pentachlorophenol	145.2	200	200	0	72.6	40-115	134.3	0	30	J
Phenanthrene	154.8	50	200	0	77.4	50-115	155	0.129	30	
Phenol	50	50	200	0	25	12-43	51.3	2.57	30	
Pyrene	159.1	50	200	0	79.6	50-130	160.7	1	30	
Surr: 2,4,6-Tribromophenol	*365.2*	0	*500*	0	*73*	*38-115*	348.7	*4.62*	*40*	
Surr: 2-Fluorobiphenyl	*324.1*	0	*500*	0	*64.8*	*32-100*	336.7	*3.81*	*40*	
Surr: 2-Fluorophenol	*188.7*	0	*500*	0	*37.7*	*22-59*	190.6	*1*	*40*	
Surr: 4-Terphenyl-d14	*446.6*	0	*500*	0	*89.3*	*23-112*	449.5	*0.647*	*40*	
Surr: Nitrobenzene-d5	*361.4*	0	*500*	0	*72.3*	*31-93*	340	*6.1*	*40*	
Surr: Phenol-d6	*105.7*	0	*500*	0	*21.1*	*13-36*	109.3	*3.35*	*40*	

MSD Sample ID: **1303834-12B MSD** Units: **µg/L** Analysis Date: **3/29/2013 01:10 AM**
Client ID: **Rinsate Blank** Run ID: **SVMS7_130328A** SeqNo: **2254381** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	127.1	50	200	0	63.6	50-110	128.2	0.862	30	
2,4,6-Trichlorophenol	126	50	200	0	63	50-115	126.1	0.0793	30	
2,4-Dinitrotoluene	146	50	200	0	73	50-120	147.9	1.29	30	
Hexachlorobenzene	145.1	50	200	0	72.6	50-110	142.6	1.74	30	
Hexachloroethane	144.7	50	200	0	72.4	30-95	137.8	4.88	30	
Nitrobenzene	145.1	50	200	0	72.6	45-110	137.1	5.67	30	
Pentachlorophenol	145.2	200	200	0	72.6	40-115	134.3	0	30	J
Surr: 2,4,6-Tribromophenol	*365.2*	0	*500*	0	*73*	*21-125*	348.7	*4.62*	*0*	
Surr: 2-Fluorobiphenyl	*324.1*	0	*500*	0	*64.8*	*36-94*	336.7	*3.81*	*0*	
Surr: 2-Fluorophenol	*188.7*	0	*500*	0	*37.7*	*10-75*	190.6	*1*	*0*	
Surr: 4-Terphenyl-d14	*446.6*	0	*500*	0	*89.3*	*26-119*	449.5	*0.647*	*0*	
Surr: Nitrobenzene-d5	*361.4*	0	*500*	0	*72.3*	*41-104*	340	*6.1*	*0*	
Surr: Phenol-d6	*105.7*	0	*500*	0	*21.1*	*11-50*	109.3	*3.35*	*0*	

The following samples were analyzed in this batch: 1303834-11B 1303834-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47247** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **DBLKW1-47247-47247** Units: **mg/L** Analysis Date: **4/1/2013 01:28 AM**
Client ID: Run ID: **SVMS6_130331A** SeqNo: **2258488** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	U	0.10								
ORO (C21-C35)	U	0.10								
Surr: 4-Terphenyl-d14	*0.04113*	0	*0.05*	0	*82.3*	*23-112*	0			

LCS Sample ID: **DLCSW1-47247-47247** Units: **mg/L** Analysis Date: **4/1/2013 02:57 AM**
Client ID: Run ID: **SVMS6_130331A** SeqNo: **2258492** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	3.31	0.10	5	0	66.2	44-116	0			
ORO (C21-C35)	3.794	0.10	5	0	75.9	44-116	0			
Surr: 4-Terphenyl-d14	*0.04072*	0	*0.05*	0	*81.4*	*23-112*	0			

MS Sample ID: **1303834-11B MS** Units: **mg/L** Analysis Date: **4/1/2013 07:07 AM**
Client ID: **Field Blank** Run ID: **SVMS6_130331A** SeqNo: **2258499** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	28.46	1.0	50	0	56.9	44-116	0			
ORO (C21-C35)	31.18	1.0	50	0	62.4	44-116	0			
Surr: 4-Terphenyl-d14	*0.2788*	0	*0.5*	0	*55.8*	*23-112*	0			

MSD Sample ID: **1303834-11B MSD** Units: **mg/L** Analysis Date: **4/1/2013 07:37 AM**
Client ID: **Field Blank** Run ID: **SVMS6_130331A** SeqNo: **2258501** Prep Date: **3/28/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C21)	28.92	1.0	50	0	57.8	44-116	28.46	1.61	30	
ORO (C21-C35)	32.02	1.0	50	0	64	44-116	31.18	2.64	30	
Surr: 4-Terphenyl-d14	*0.3472*	0	*0.5*	0	*69.4*	*23-112*	0.2788	*21.9*	*30*	

The following samples were analyzed in this batch: 1303834-11B 1303834-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 12:16 PM**
Client ID: Run ID: **VMS8_130327B** SeqNo: **2252268** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*934*	0	*1000*	0	*93.4*	*70-130*	0
Surr: 4-Bromofluorobenzene	*962.5*	0	*1000*	0	*96.2*	*70-130*	0
Surr: Dibromofluoromethane	*950.5*	0	*1000*	0	*95*	*70-130*	0
Surr: Toluene-d8	*937.5*	0	*1000*	0	*93.8*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/27/2013 08:20 PM**
Client ID: Run ID: **VMS6_130327B** SeqNo: **2252387** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*959*	0	*1000*	0	*95.9*	*70-130*	0
Surr: 4-Bromofluorobenzene	*937.5*	0	*1000*	0	*93.8*	*70-130*	0
Surr: Dibromofluoromethane	*960.5*	0	*1000*	0	*96*	*70-130*	0
Surr: Toluene-d8	*954*	0	*1000*	0	*95.4*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/27/2013 06:16 PM**
Client ID: Run ID: **VMS9_130327A** SeqNo: **2252554** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*1028*	0	*1000*	0	*103*	*70-130*	0
Surr: 4-Bromofluorobenzene	*861.5*	0	*1000*	0	*86.2*	*70-130*	0
Surr: Dibromofluoromethane	*980.5*	0	*1000*	0	*98*	*70-130*	0
Surr: Toluene-d8	*953*	0	*1000*	0	*95.3*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 02:23 AM**
Client ID: Run ID: **VMS5_130327B** SeqNo: **2252824** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*995*	0	*1000*	0	*99.5*	*70-130*	0
Surr: 4-Bromofluorobenzene	*988.5*	0	*1000*	0	*98.8*	*70-130*	0
Surr: Dibromofluoromethane	*973.5*	0	*1000*	0	*97.4*	*70-130*	0
Surr: Toluene-d8	*951*	0	*1000*	0	*95.1*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 02:23 AM**
Client ID: Run ID: **VMS5_130327B** SeqNo: **2253037** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*897*	0	*1000*	0	*89.7*	*70-130*	0
Surr: 4-Bromofluorobenzene	*941*	0	*1000*	0	*94.1*	*70-130*	0
Surr: Dibromofluoromethane	*879*	0	*1000*	0	*87.9*	*70-130*	0
Surr: Toluene-d8	*893.5*	0	*1000*	0	*89.4*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 02:38 PM**
Client ID: Run ID: **VMS5_130328A** SeqNo: **2253430** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*967.5*	0	*1000*	0	*96.8*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1025*	0	*1000*	0	*102*	*70-130*	0
Surr: Dibromofluoromethane	*957.5*	0	*1000*	0	*95.8*	*70-130*	0
Surr: Toluene-d8	*959*	0	*1000*	0	*95.9*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 10:31 AM**
Client ID: Run ID: **VMS6_130328A** SeqNo: **2253526** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30	0	0	0	0-0	0			
1,1,2,2-Tetrachloroethane	U	30	0	0	0	0-0	0			
1,1,2-Trichloroethane	U	30	0	0	0	0-0	0			
1,1,2-Trichlorotrifluoroethane	U	30	0	0	0		0			
1,1-Dichloroethane	U	30	0	0	0	0-0	0			
1,1-Dichloroethene	U	30	0	0	0	0-0	0			
1,2,4-Trichlorobenzene	U	30	0	0	0	0-0	0			
1,2-Dibromo-3-chloropropane	U	30	0	0	0	0-0	0			
1,2-Dibromoethane	U	30	0	0	0	0-0	0			
1,2-Dichlorobenzene	U	30	0	0	0	0-0	0			
1,2-Dichloroethane	U	30	0	0	0	0-0	0			
1,2-Dichloropropane	U	30	0	0	0	0-0	0			
1,3-Dichlorobenzene	U	30	0	0	0	0-0	0			
1,4-Dichlorobenzene	U	30	0	0	0	0-0	0			
2-Butanone	U	200	0	0	0	0-0	0			
2-Hexanone	U	30	0	0	0	0-0	0			
4-Methyl-2-pentanone	U	30	0	0	0	0-0	0			
Acetone	U	100	0	0	0	0-0	0			
Benzene	U	30	0	0	0	0-0	0			
Bromodichloromethane	U	30	0	0	0	0-0	0			
Bromoform	U	30	0	0	0	0-0	0			
Bromomethane	U	75	0	0	0	0-0	0			
Carbon disulfide	U	30	0	0	0	0-0	0			
Carbon tetrachloride	U	30	0	0	0	0-0	0			
Chlorobenzene	U	30	0	0	0	0-0	0			
Chloroethane	U	100	0	0	0	0-0	0			
Chloroform	U	30	0	0	0	0-0	0			
Chloromethane	U	100	0	0	0	0-0	0			
cis-1,2-Dichloroethene	U	30	0	0	0	0-0	0			
cis-1,3-Dichloropropene	U	30	0	0	0	0-0	0			
Cyclohexane	U	30	0	0	0		0			
Dibromochloromethane	U	30	0	0	0	0-0	0			
Dichlorodifluoromethane	U	30	0	0	0	0-0	0			
Ethylbenzene	U	30	0	0	0	0-0	0			
GRO (C6-C10)	U	2,500	0	0	0		0			
Isopropylbenzene	U	30	0	0	0	0-0	0			
m,p-Xylene	U	60	0	0	0	0-0	0			
Methyl acetate	U	200	0	0	0		0			
Methyl tert-butyl ether	U	30	0	0	0	0-0	0			
Methylcyclohexane	U	30	0	0	0		0			
Methylene chloride	U	30	0	0	0	0-0	0			
o-Xylene	U	30	0	0	0	0-0	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30	0	0	0	0-0	0
Tetrachloroethene	U	30	0	0	0	0-0	0
Toluene	U	30	0	0	0	0-0	0
trans-1,2-Dichloroethene	U	30	0	0	0	0-0	0
trans-1,3-Dichloropropene	U	30	0	0	0	0-0	0
Trichloroethene	U	30	0	0	0	0-0	0
Trichlorofluoromethane	U	30	0	0	0	0-0	0
Vinyl chloride	U	30	0	0	0	0-0	0
Xylenes, Total	U	90	0	0	0	0-0	0
Surr: 1,2-Dichloroethane-d4	*956.5*	0	*1000*	0	*95.6*	*70-130*	0
Surr: 4-Bromofluorobenzene	*946*	0	*1000*	0	*94.6*	*70-130*	0
Surr: Dibromofluoromethane	*943*	0	*1000*	0	*94.3*	*70-130*	0
Surr: Toluene-d8	*942.5*	0	*1000*	0	*94.2*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **MBLK-47228-47228** Units: **µg/Kg** Analysis Date: **3/29/2013 11:01 AM**
Client ID: Run ID: **VMS6_130329A** SeqNo: **2255701** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3-Dichlorobenzene	U	30								
1,4-Dichlorobenzene	U	30								
2-Butanone	U	200								
2-Hexanone	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Benzene	U	30								
Bromodichloromethane	U	30								
Bromoform	U	30								
Bromomethane	U	75								
Carbon disulfide	U	30								
Carbon tetrachloride	U	30								
Chlorobenzene	U	30								
Chloroethane	U	100								
Chloroform	U	30								
Chloromethane	U	100								
cis-1,2-Dichloroethene	U	30								
cis-1,3-Dichloropropene	U	30								
Cyclohexane	U	30								
Dibromochloromethane	U	30								
Dichlorodifluoromethane	U	30								
Ethylbenzene	U	30								
GRO (C6-C10)	U	2,500								
Isopropylbenzene	U	30								
m,p-Xylene	U	60								
Methyl acetate	U	200								
Methyl tert-butyl ether	U	30								
Methylcyclohexane	U	30								
Methylene chloride	U	30								
o-Xylene	U	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Styrene	U	30					
Tetrachloroethene	U	30					
Toluene	U	30					
trans-1,2-Dichloroethene	U	30					
trans-1,3-Dichloropropene	U	30					
Trichloroethene	U	30					
Trichlorofluoromethane	U	30					
Vinyl chloride	U	30					
Xylenes, Total	U	90					
Surr: 1,2-Dichloroethane-d4	*941*	0	*1000*	0	*94.1*	*70-130*	0
Surr: 4-Bromofluorobenzene	*936.5*	0	*1000*	0	*93.6*	*70-130*	0
Surr: Dibromofluoromethane	*942.5*	0	*1000*	0	*94.2*	*70-130*	0
Surr: Toluene-d8	*943*	0	*1000*	0	*94.3*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS	Sample ID: **LCS-47228-47228**				Units: **µg/Kg**			Analysis Date: **3/27/2013 11:29 PM**		
Client ID:		Run ID: **VMS8_130327B**			SeqNo: **2252267**		Prep Date: **3/27/2013**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1073	30	1000	0	107	70-135	0			
1,1,2,2-Tetrachloroethane	1030	30	1000	0	103	55-130	0			
1,1,2-Trichloroethane	996.5	30	1000	0	99.6	60-125	0			
1,1-Dichloroethane	1039	30	1000	0	104	75-125	0			
1,1-Dichloroethene	1040	30	1000	0	104	65-135	0			
1,2,4-Trichlorobenzene	974	30	1000	0	97.4	65-130	0			
1,2-Dibromo-3-chloropropane	1050	30	1000	0	105	40-135	0			
1,2-Dibromoethane	1022	30	1000	0	102	70-125	0			
1,2-Dichlorobenzene	983.5	30	1000	0	98.4	75-120	0			
1,2-Dichloroethane	1014	30	1000	0	101	70-135	0			
1,2-Dichloropropane	1025	30	1000	0	102	70-120	0			
1,3-Dichlorobenzene	964	30	1000	0	96.4	70-125	0			
1,4-Dichlorobenzene	968.5	30	1000	0	96.8	70-125	0			
2-Butanone	1178	200	1000	0	118	30-160	0			
2-Hexanone	1095	30	1000	0	110	45-145	0			
4-Methyl-2-pentanone	1428	30	1000	0	143	45-145	0			
Acetone	1268	100	1000	0	127	20-160	0			
Benzene	1020	30	1000	0	102	75-125	0			
Bromodichloromethane	1058	30	1000	0	106	70-130	0			
Bromoform	1003	30	1000	0	100	55-135	0			
Bromomethane	1204	75	1000	0	120	30-160	0			
Carbon disulfide	1108	30	1000	0	111	45-160	0			
Carbon tetrachloride	1074	30	1000	0	107	65-135	0			
Chlorobenzene	995	30	1000	0	99.5	75-125	0			
Chloroethane	1007	100	1000	0	101	40-155	0			
Chloroform	1030	30	1000	0	103	70-125	0			
Chloromethane	986	100	1000	0	98.6	50-130	0			
cis-1,2-Dichloroethene	1057	30	1000	0	106	65-125	0			
cis-1,3-Dichloropropene	1070	30	1000	0	107	70-125	0			
Dibromochloromethane	997	30	1000	0	99.7	65-135	0			
Dichlorodifluoromethane	856.5	30	1000	0	85.6	35-135	0			
Ethylbenzene	999.5	30	1000	0	100	75-125	0			
Isopropylbenzene	1026	30	1000	0	103	75-130	0			
m,p-Xylene	2008	60	2000	0	100	80-125	0			
Methyl tert-butyl ether	1176	30	1000	0	118	75-125	0			
Methylene chloride	992	30	1000	0	99.2	55-145	0			
o-Xylene	1008	30	1000	0	101	75-125	0			
Styrene	1053	30	1000	0	105	75-125	0			
Tetrachloroethene	1020	30	1000	0	102	64-140	0			
Toluene	966.5	30	1000	0	96.6	70-125	0			
trans-1,2-Dichloroethene	1048	30	1000	0	105	65-135	0			
trans-1,3-Dichloropropene	1020	30	1000	0	102	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	1006	30	1000	0	101	75-125	0
Trichlorofluoromethane	1126	30	1000	0	113	25-185	0
Vinyl chloride	1156	30	1000	0	116	60-125	0
Xylenes, Total	3016	90	3000	0	101	75-125	0
Surr: 1,2-Dichloroethane-d4	*977*	0	*1000*	0	*97.7*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1018*	0	*1000*	0	*102*	*70-130*	0
Surr: Dibromofluoromethane	*1009*	0	*1000*	0	*101*	*70-130*	0
Surr: Toluene-d8	*970*	0	*1000*	0	*97*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS Sample ID: **LCS-47228-47228** Units: **µg/Kg** Analysis Date: **3/27/2013 07:07 PM**
Client ID: Run ID: **VMS6_130327B** SeqNo: **2252386** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1012	30	1000	0	101	70-135	0			
1,1,2,2-Tetrachloroethane	959.5	30	1000	0	96	55-130	0			
1,1,2-Trichloroethane	880.5	30	1000	0	88	60-125	0			
1,1-Dichloroethane	933.5	30	1000	0	93.4	75-125	0			
1,1-Dichloroethene	1035	30	1000	0	104	65-135	0			
1,2,4-Trichlorobenzene	1020	30	1000	0	102	65-130	0			
1,2-Dibromo-3-chloropropane	930.5	30	1000	0	93	40-135	0			
1,2-Dibromoethane	979	30	1000	0	97.9	70-125	0			
1,2-Dichlorobenzene	1008	30	1000	0	101	75-120	0			
1,2-Dichloroethane	987	30	1000	0	98.7	70-135	0			
1,2-Dichloropropane	892.5	30	1000	0	89.2	70-120	0			
1,3-Dichlorobenzene	981	30	1000	0	98.1	70-125	0			
1,4-Dichlorobenzene	997.5	30	1000	0	99.8	70-125	0			
2-Butanone	1179	200	1000	0	118	30-160	0			
2-Hexanone	1099	30	1000	0	110	45-145	0			
4-Methyl-2-pentanone	1386	30	1000	0	139	45-145	0			
Acetone	1132	100	1000	0	113	20-160	0			
Benzene	1014	30	1000	0	101	75-125	0			
Bromodichloromethane	918	30	1000	0	91.8	70-130	0			
Bromoform	863	30	1000	0	86.3	55-135	0			
Bromomethane	1562	75	1000	0	156	30-160	0			
Carbon disulfide	1008	30	1000	0	101	45-160	0			
Carbon tetrachloride	1080	30	1000	0	108	65-135	0			
Chlorobenzene	1001	30	1000	0	100	75-125	0			
Chloroethane	951	100	1000	0	95.1	40-155	0			
Chloroform	951.5	30	1000	0	95.2	70-125	0			
Chloromethane	918	100	1000	0	91.8	50-130	0			
cis-1,2-Dichloroethene	928	30	1000	0	92.8	65-125	0			
cis-1,3-Dichloropropene	907.5	30	1000	0	90.8	70-125	0			
Dibromochloromethane	885	30	1000	0	88.5	65-135	0			
Dichlorodifluoromethane	1041	30	1000	0	104	35-135	0			
Ethylbenzene	1003	30	1000	0	100	75-125	0			
Isopropylbenzene	1042	30	1000	0	104	75-130	0			
m,p-Xylene	2004	60	2000	0	100	80-125	0			
Methyl tert-butyl ether	1057	30	1000	0	106	75-125	0			
Methylene chloride	993.5	30	1000	0	99.4	55-145	0			
o-Xylene	998.5	30	1000	0	99.8	75-125	0			
Styrene	1004	30	1000	0	100	75-125	0			
Tetrachloroethene	1057	30	1000	0	106	64-140	0			
Toluene	980	30	1000	0	98	70-125	0			
trans-1,2-Dichloroethene	986.5	30	1000	0	98.6	65-135	0			
trans-1,3-Dichloropropene	896	30	1000	0	89.6	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	1004	30	1000	0	100	75-125	0
Trichlorofluoromethane	1138	30	1000	0	114	25-185	0
Vinyl chloride	1044	30	1000	0	104	60-125	0
Xylenes, Total	3003	90	3000	0	100	75-125	0
Surr: 1,2-Dichloroethane-d4	*952*	0	*1000*	0	*95.2*	*70-130*	0
Surr: 4-Bromofluorobenzene	*971*	0	*1000*	0	*97.1*	*70-130*	0
Surr: Dibromofluoromethane	*994.5*	0	*1000*	0	*99.4*	*70-130*	0
Surr: Toluene-d8	*952*	0	*1000*	0	*95.2*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS	Sample ID: **LCS-47228-47228**				Units: **µg/Kg**			Analysis Date: **3/27/2013 05:00 PM**		
Client ID:		Run ID: **VMS9_130327A**			SeqNo: **2252553**		Prep Date: **3/27/2013**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	993.5	30	1000	0	99.4	70-135	0			
1,1,2,2-Tetrachloroethane	939	30	1000	0	93.9	55-130	0			
1,1,2-Trichloroethane	901	30	1000	0	90.1	60-125	0			
1,1-Dichloroethane	925	30	1000	0	92.5	75-125	0			
1,1-Dichloroethene	1010	30	1000	0	101	65-135	0			
1,2,4-Trichlorobenzene	935.5	30	1000	0	93.6	65-130	0			
1,2-Dibromo-3-chloropropane	816	30	1000	0	81.6	40-135	0			
1,2-Dibromoethane	925.5	30	1000	0	92.6	70-125	0			
1,2-Dichlorobenzene	962.5	30	1000	0	96.2	75-120	0			
1,2-Dichloroethane	905.5	30	1000	0	90.6	70-135	0			
1,2-Dichloropropane	934.5	30	1000	0	93.4	70-120	0			
1,3-Dichlorobenzene	950.5	30	1000	0	95	70-125	0			
1,4-Dichlorobenzene	964.5	30	1000	0	96.4	70-125	0			
2-Butanone	843.5	200	1000	0	84.4	30-160	0			
2-Hexanone	946.5	30	1000	0	94.6	45-145	0			
4-Methyl-2-pentanone	1101	30	1000	0	110	45-145	0			
Acetone	1072	100	1000	0	107	20-160	0			
Benzene	897	30	1000	0	89.7	75-125	0			
Bromodichloromethane	916	30	1000	0	91.6	70-130	0			
Bromoform	914.5	30	1000	0	91.4	55-135	0			
Bromomethane	1241	75	1000	0	124	30-160	0			
Carbon disulfide	993.5	30	1000	0	99.4	45-160	0			
Carbon tetrachloride	986	30	1000	0	98.6	65-135	0			
Chlorobenzene	967	30	1000	0	96.7	75-125	0			
Chloroethane	984.5	100	1000	0	98.4	40-155	0			
Chloroform	912	30	1000	0	91.2	70-125	0			
Chloromethane	1120	100	1000	0	112	50-130	0			
cis-1,2-Dichloroethene	943.5	30	1000	0	94.4	65-125	0			
cis-1,3-Dichloropropene	940	30	1000	0	94	70-125	0			
Dibromochloromethane	891.5	30	1000	0	89.2	65-135	0			
Dichlorodifluoromethane	1050	30	1000	0	105	35-135	0			
Ethylbenzene	1016	30	1000	0	102	75-125	0			
Isopropylbenzene	1104	30	1000	0	110	75-130	0			
m,p-Xylene	2078	60	2000	0	104	80-125	0			
Methyl tert-butyl ether	1024	30	1000	0	102	75-125	0			
Methylene chloride	1027	30	1000	0	103	55-145	0			
o-Xylene	1034	30	1000	0	103	75-125	0			
Styrene	1077	30	1000	0	108	75-125	0			
Tetrachloroethene	1350	30	1000	0	135	64-140	0			
Toluene	879	30	1000	0	87.9	70-125	0			
trans-1,2-Dichloroethene	965	30	1000	0	96.5	65-135	0			
trans-1,3-Dichloropropene	912.5	30	1000	0	91.2	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	891	30	1000	0	89.1	75-125	0
Trichlorofluoromethane	1038	30	1000	0	104	25-185	0
Vinyl chloride	1004	30	1000	0	100	60-125	0
Xylenes, Total	3112	90	3000	0	104	75-125	0
Surr: 1,2-Dichloroethane-d4	*955*	0	*1000*	0	*95.5*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1045*	0	*1000*	0	*104*	*70-130*	0
Surr: Dibromofluoromethane	*971*	0	*1000*	0	*97.1*	*70-130*	0
Surr: Toluene-d8	*995.5*	0	*1000*	0	*99.6*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS Sample ID: **LCS-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 01:13 AM**
Client ID: Run ID: **VMS5_130327B** SeqNo: **2252823** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1011	30	1000	0	101	70-135	0			
1,1,2,2-Tetrachloroethane	940.5	30	1000	0	94	55-130	0			
1,1,2-Trichloroethane	909	30	1000	0	90.9	60-125	0			
1,1-Dichloroethane	1044	30	1000	0	104	75-125	0			
1,1-Dichloroethene	1056	30	1000	0	106	65-135	0			
1,2,4-Trichlorobenzene	958.5	30	1000	0	95.8	65-130	0			
1,2-Dibromo-3-chloropropane	912	30	1000	0	91.2	40-135	0			
1,2-Dibromoethane	975.5	30	1000	0	97.6	70-125	0			
1,2-Dichlorobenzene	970	30	1000	0	97	75-120	0			
1,2-Dichloroethane	980	30	1000	0	98	70-135	0			
1,2-Dichloropropane	1060	30	1000	0	106	70-120	0			
1,3-Dichlorobenzene	987	30	1000	0	98.7	70-125	0			
1,4-Dichlorobenzene	956.5	30	1000	0	95.6	70-125	0			
2-Butanone	1027	200	1000	0	103	30-160	0			
2-Hexanone	1014	30	1000	0	101	45-145	0			
4-Methyl-2-pentanone	1392	30	1000	0	139	45-145	0			
Acetone	1060	100	1000	0	106	20-160	0			
Benzene	1024	30	1000	0	102	75-125	0			
Bromodichloromethane	1020	30	1000	0	102	70-130	0			
Bromoform	967	30	1000	0	96.7	55-135	0			
Bromomethane	1348	75	1000	0	135	30-160	0			
Carbon disulfide	1062	30	1000	0	106	45-160	0			
Carbon tetrachloride	1020	30	1000	0	102	65-135	0			
Chlorobenzene	1019	30	1000	0	102	75-125	0			
Chloroethane	1096	100	1000	0	110	40-155	0			
Chloroform	1016	30	1000	0	102	70-125	0			
Chloromethane	1010	100	1000	0	101	50-130	0			
cis-1,2-Dichloroethene	1030	30	1000	0	103	65-125	0			
cis-1,3-Dichloropropene	1044	30	1000	0	104	70-125	0			
Dibromochloromethane	950.5	30	1000	0	95	65-135	0			
Dichlorodifluoromethane	829.5	30	1000	0	83	35-135	0			
Ethylbenzene	997.5	30	1000	0	99.8	75-125	0			
Isopropylbenzene	1014	30	1000	0	101	75-130	0			
m,p-Xylene	2000	60	2000	0	100	80-125	0			
Methyl tert-butyl ether	1176	30	1000	0	118	75-125	0			
Methylene chloride	955.5	30	1000	0	95.6	55-145	0			
o-Xylene	1012	30	1000	0	101	75-125	0			
Styrene	1032	30	1000	0	103	75-125	0			
Tetrachloroethene	997	30	1000	0	99.7	64-140	0			
Toluene	998.5	30	1000	0	99.8	70-125	0			
trans-1,2-Dichloroethene	1068	30	1000	0	107	65-135	0			
trans-1,3-Dichloropropene	1028	30	1000	0	103	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	972.5	30	1000	0	97.2	75-125	0
Trichlorofluoromethane	1062	30	1000	0	106	25-185	0
Vinyl chloride	1112	30	1000	0	111	60-125	0
Xylenes, Total	3012	90	3000	0	100	75-125	0
Surr: 1,2-Dichloroethane-d4	*952.5*	0	*1000*	0	*95.2*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1008*	0	*1000*	0	*101*	*70-130*	0
Surr: Dibromofluoromethane	*982*	0	*1000*	0	*98.2*	*70-130*	0
Surr: Toluene-d8	*960*	0	*1000*	0	*96*	*70-130*	0

LCS Sample ID: **LCS-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 01:37 AM**

Client ID: Run ID: **VMS5_130327B** SeqNo: **2253036** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	18280	2,500	25000	0	73.1	30-130	0			
Surr: Toluene-d8	*887.5*	0	*1000*	0	*88.8*	*70-130*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS Sample ID: **LCS-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 01:29 PM**
Client ID: Run ID: **VMS5_130328A** SeqNo: **2253429** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	967	30	1000	0	96.7	70-135	0			
1,1,2,2-Tetrachloroethane	879	30	1000	0	87.9	55-130	0			
1,1,2-Trichloroethane	907	30	1000	0	90.7	60-125	0			
1,1-Dichloroethane	1023	30	1000	0	102	75-125	0			
1,1-Dichloroethene	1118	30	1000	0	112	65-135	0			
1,2,4-Trichlorobenzene	1052	30	1000	0	105	65-130	0			
1,2-Dibromo-3-chloropropane	867.5	30	1000	0	86.8	40-135	0			
1,2-Dibromoethane	958	30	1000	0	95.8	70-125	0			
1,2-Dichlorobenzene	941	30	1000	0	94.1	75-120	0			
1,2-Dichloroethane	976	30	1000	0	97.6	70-135	0			
1,2-Dichloropropane	1025	30	1000	0	102	70-120	0			
1,3-Dichlorobenzene	962	30	1000	0	96.2	70-125	0			
1,4-Dichlorobenzene	918.5	30	1000	0	91.8	70-125	0			
2-Butanone	1106	200	1000	0	111	30-160	0			
2-Hexanone	962.5	30	1000	0	96.2	45-145	0			
4-Methyl-2-pentanone	1243	30	1000	0	124	45-145	0			
Acetone	1294	100	1000	0	129	20-160	0			
Benzene	969.5	30	1000	0	97	75-125	0			
Bromodichloromethane	966.5	30	1000	0	96.6	70-130	0			
Bromoform	901.5	30	1000	0	90.2	55-135	0			
Bromomethane	1293	75	1000	0	129	30-160	0			
Carbon disulfide	1116	30	1000	0	112	45-160	0			
Carbon tetrachloride	970	30	1000	0	97	65-135	0			
Chlorobenzene	938.5	30	1000	0	93.8	75-125	0			
Chloroethane	1102	100	1000	0	110	40-155	0			
Chloroform	973	30	1000	0	97.3	70-125	0			
Chloromethane	1034	100	1000	0	103	50-130	0			
cis-1,2-Dichloroethene	1012	30	1000	0	101	65-125	0			
cis-1,3-Dichloropropene	1023	30	1000	0	102	70-125	0			
Dibromochloromethane	910	30	1000	0	91	65-135	0			
Dichlorodifluoromethane	954.5	30	1000	0	95.4	35-135	0			
Ethylbenzene	882	30	1000	0	88.2	75-125	0			
Isopropylbenzene	874.5	30	1000	0	87.4	75-130	0			
m,p-Xylene	1764	60	2000	0	88.2	80-125	0			
Methyl tert-butyl ether	1093	30	1000	0	109	75-125	0			
Methylene chloride	981	30	1000	0	98.1	55-145	0			
o-Xylene	907	30	1000	0	90.7	75-125	0			
Styrene	964.5	30	1000	0	96.4	75-125	0			
Tetrachloroethene	845	30	1000	0	84.5	64-140	0			
Toluene	920.5	30	1000	0	92	70-125	0			
trans-1,2-Dichloroethene	1030	30	1000	0	103	65-135	0			
trans-1,3-Dichloropropene	993	30	1000	0	99.3	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	902	30	1000	0	90.2	75-125	0
Trichlorofluoromethane	1094	30	1000	0	109	25-185	0
Vinyl chloride	1182	30	1000	0	118	60-125	0
Xylenes, Total	2672	90	3000	0	89	75-125	0
Surr: 1,2-Dichloroethane-d4	*980.5*	0	*1000*	0	*98*	*70-130*	0
Surr: 4-Bromofluorobenzene	*983.5*	0	*1000*	0	*98.4*	*70-130*	0
Surr: Dibromofluoromethane	*960.5*	0	*1000*	0	*96*	*70-130*	0
Surr: Toluene-d8	*964*	0	*1000*	0	*96.4*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS Sample ID: **LCS-47228-47228** Units: **µg/Kg** Analysis Date: **3/28/2013 09:18 AM**
Client ID: Run ID: **VMS6_130328A** SeqNo: **2253525** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	960.5	30	1000	0	96	70-135	0			
1,1,2,2-Tetrachloroethane	813.5	30	1000	0	81.4	55-130	0			
1,1,2-Trichloroethane	808.5	30	1000	0	80.8	60-125	0			
1,1-Dichloroethane	839	30	1000	0	83.9	75-125	0			
1,1-Dichloroethene	965.5	30	1000	0	96.6	65-135	0			
1,2,4-Trichlorobenzene	923.5	30	1000	0	92.4	65-130	0			
1,2-Dibromo-3-chloropropane	750.5	30	1000	0	75	40-135	0			
1,2-Dibromoethane	881	30	1000	0	88.1	70-125	0			
1,2-Dichlorobenzene	890.5	30	1000	0	89	75-120	0			
1,2-Dichloroethane	909.5	30	1000	0	91	70-135	0			
1,2-Dichloropropane	789.5	30	1000	0	79	70-120	0			
1,3-Dichlorobenzene	867.5	30	1000	0	86.8	70-125	0			
1,4-Dichlorobenzene	885	30	1000	0	88.5	70-125	0			
2-Butanone	946	200	1000	0	94.6	30-160	0			
2-Hexanone	917.5	30	1000	0	91.8	45-145	0			
4-Methyl-2-pentanone	1153	30	1000	0	115	45-145	0			
Acetone	802.5	100	1000	0	80.2	20-160	0			
Benzene	945	30	1000	0	94.5	75-125	0			
Bromodichloromethane	834.5	30	1000	0	83.4	70-130	0			
Bromoform	776	30	1000	0	77.6	55-135	0			
Bromomethane	1538	75	1000	0	154	30-160	0			
Carbon disulfide	992	30	1000	0	99.2	45-160	0			
Carbon tetrachloride	1008	30	1000	0	101	65-135	0			
Chlorobenzene	902	30	1000	0	90.2	75-125	0			
Chloroethane	916.5	100	1000	0	91.6	40-155	0			
Chloroform	842	30	1000	0	84.2	70-125	0			
Chloromethane	907	100	1000	0	90.7	50-130	0			
cis-1,2-Dichloroethene	849	30	1000	0	84.9	65-125	0			
cis-1,3-Dichloropropene	843.5	30	1000	0	84.4	70-125	0			
Dibromochloromethane	810	30	1000	0	81	65-135	0			
Dichlorodifluoromethane	1037	30	1000	0	104	35-135	0			
Ethylbenzene	909.5	30	1000	0	91	75-125	0			
Isopropylbenzene	931.5	30	1000	0	93.2	75-130	0			
m,p-Xylene	1800	60	2000	0	90	80-125	0			
Methyl tert-butyl ether	932	30	1000	0	93.2	75-125	0			
Methylene chloride	904.5	30	1000	0	90.4	55-145	0			
o-Xylene	890	30	1000	0	89	75-125	0			
Styrene	897	30	1000	0	89.7	75-125	0			
Tetrachloroethene	986	30	1000	0	98.6	64-140	0			
Toluene	902.5	30	1000	0	90.2	70-125	0			
trans-1,2-Dichloroethene	911	30	1000	0	91.1	65-135	0			
trans-1,3-Dichloropropene	839	30	1000	0	83.9	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228**	Instrument ID **VMS8**		Method: **SW8260**				
Trichloroethene	913.5	30	1000	0	91.4	75-125	0
Trichlorofluoromethane	1076	30	1000	0	108	25-185	0
Vinyl chloride	981.5	30	1000	0	98.2	60-125	0
Xylenes, Total	2690	90	3000	0	89.7	75-125	0
Surr: 1,2-Dichloroethane-d4	*936*	0	*1000*	0	*93.6*	*70-130*	0
Surr: 4-Bromofluorobenzene	*968.5*	0	*1000*	0	*96.8*	*70-130*	0
Surr: Dibromofluoromethane	*971.5*	0	*1000*	0	*97.2*	*70-130*	0
Surr: Toluene-d8	*950.5*	0	*1000*	0	*95*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

LCS Sample ID: **LCS-47228-47228** Units: **µg/Kg** Analysis Date: **3/29/2013 09:48 AM**
Client ID: Run ID: **VMS6_130329A** SeqNo: **2255700** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1026	30	1000	0	103	70-135	0			
1,1,2,2-Tetrachloroethane	852.5	30	1000	0	85.2	55-130	0			
1,1,2-Trichloroethane	844	30	1000	0	84.4	60-125	0			
1,1-Dichloroethane	896.5	30	1000	0	89.6	75-125	0			
1,1-Dichloroethene	1051	30	1000	0	105	65-135	0			
1,2,4-Trichlorobenzene	982	30	1000	0	98.2	65-130	0			
1,2-Dibromo-3-chloropropane	753	30	1000	0	75.3	40-135	0			
1,2-Dibromoethane	947.5	30	1000	0	94.8	70-125	0			
1,2-Dichlorobenzene	953	30	1000	0	95.3	75-120	0			
1,2-Dichloroethane	967	30	1000	0	96.7	70-135	0			
1,2-Dichloropropane	849	30	1000	0	84.9	70-120	0			
1,3-Dichlorobenzene	943.5	30	1000	0	94.4	70-125	0			
1,4-Dichlorobenzene	961.5	30	1000	0	96.2	70-125	0			
2-Butanone	981	200	1000	0	98.1	30-160	0			
2-Hexanone	947.5	30	1000	0	94.8	45-145	0			
4-Methyl-2-pentanone	1209	30	1000	0	121	45-145	0			
Acetone	841.5	100	1000	0	84.2	20-160	0			
Benzene	1018	30	1000	0	102	75-125	0			
Bromodichloromethane	878.5	30	1000	0	87.8	70-130	0			
Bromoform	853	30	1000	0	85.3	55-135	0			
Bromomethane	1345	75	1000	0	134	30-160	0			
Carbon disulfide	1074	30	1000	0	107	45-160	0			
Carbon tetrachloride	1090	30	1000	0	109	65-135	0			
Chlorobenzene	972.5	30	1000	0	97.2	75-125	0			
Chloroethane	957	100	1000	0	95.7	40-155	0			
Chloroform	920	30	1000	0	92	70-125	0			
Chloromethane	920.5	100	1000	0	92	50-130	0			
cis-1,2-Dichloroethene	906	30	1000	0	90.6	65-125	0			
cis-1,3-Dichloropropene	907.5	30	1000	0	90.8	70-125	0			
Dibromochloromethane	866.5	30	1000	0	86.6	65-135	0			
Dichlorodifluoromethane	1103	30	1000	0	110	35-135	0			
Ethylbenzene	976.5	30	1000	0	97.6	75-125	0			
Isopropylbenzene	1006	30	1000	0	101	75-130	0			
m,p-Xylene	1941	60	2000	0	97	80-125	0			
Methyl tert-butyl ether	1026	30	1000	0	103	75-125	0			
Methylene chloride	1004	30	1000	0	100	55-145	0			
o-Xylene	951.5	30	1000	0	95.2	75-125	0			
Styrene	969.5	30	1000	0	97	75-125	0			
Tetrachloroethene	1060	30	1000	0	106	64-140	0			
Toluene	972	30	1000	0	97.2	70-125	0			
trans-1,2-Dichloroethene	960	30	1000	0	96	65-135	0			
trans-1,3-Dichloropropene	895	30	1000	0	89.5	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	999	30	1000	0	99.9	75-125	0
Trichlorofluoromethane	1147	30	1000	0	115	25-185	0
Vinyl chloride	1052	30	1000	0	105	60-125	0
Xylenes, Total	2892	90	3000	0	96.4	75-125	0
Surr: 1,2-Dichloroethane-d4	*917*	0	*1000*	0	*91.7*	*70-130*	0
Surr: 4-Bromofluorobenzene	*966*	0	*1000*	0	*96.6*	*70-130*	0
Surr: Dibromofluoromethane	*963*	0	*1000*	0	*96.3*	*70-130*	0
Surr: Toluene-d8	*956.5*	0	*1000*	0	*95.6*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MS Sample ID: **1303834-06A MS** Units: **µg/Kg** Analysis Date: **3/28/2013 09:44 AM**
Client ID: **SB-4 (6-8')** Run ID: **VMS5_130327B** SeqNo: **2252825** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	921.5	30	1000	0	92.2	70-135	0			
1,1,2,2-Tetrachloroethane	888.5	30	1000	0	88.8	55-130	0			
1,1,2-Trichloroethane	882	30	1000	0	88.2	60-125	0			
1,1-Dichloroethane	976	30	1000	0	97.6	75-125	0			
1,1-Dichloroethene	976.5	30	1000	0	97.6	65-135	0			
1,2,4-Trichlorobenzene	868	30	1000	0	86.8	65-130	0			
1,2-Dibromo-3-chloropropane	807.5	30	1000	0	80.8	40-135	0			
1,2-Dibromoethane	906	30	1000	0	90.6	70-125	0			
1,2-Dichlorobenzene	909	30	1000	0	90.9	75-120	0			
1,2-Dichloroethane	908.5	30	1000	0	90.8	70-135	0			
1,2-Dichloropropane	967.5	30	1000	0	96.8	70-120	0			
1,3-Dichlorobenzene	906	30	1000	0	90.6	70-125	0			
1,4-Dichlorobenzene	869.5	30	1000	0	87	70-125	0			
2-Butanone	1006	200	1000	0	101	30-160	0			
2-Hexanone	902	30	1000	0	90.2	45-145	0			
4-Methyl-2-pentanone	1264	30	1000	0	126	45-145	0			
Acetone	1090	100	1000	0	109	20-160	0			
Benzene	940	30	1000	0	94	75-125	0			
Bromodichloromethane	900.5	30	1000	0	90	70-130	0			
Bromoform	828.5	30	1000	0	82.8	55-135	0			
Bromomethane	968.5	75	1000	0	96.8	30-160	0			
Carbon disulfide	977.5	30	1000	0	97.8	45-160	0			
Carbon tetrachloride	910.5	30	1000	0	91	65-135	0			
Chlorobenzene	935.5	30	1000	0	93.6	75-125	0			
Chloroethane	932	100	1000	0	93.2	40-155	0			
Chloroform	944.5	30	1000	0	94.4	70-125	0			
Chloromethane	950	100	1000	0	95	50-130	0			
cis-1,2-Dichloroethene	938.5	30	1000	0	93.8	65-125	0			
cis-1,3-Dichloropropene	893.5	30	1000	0	89.4	70-125	0			
Dibromochloromethane	824.5	30	1000	0	82.4	65-135	0			
Dichlorodifluoromethane	816.5	30	1000	0	81.6	35-135	0			
Ethylbenzene	911	30	1000	0	91.1	75-125	0			
Isopropylbenzene	915	30	1000	0	91.5	75-130	0			
m,p-Xylene	1896	60	2000	0	94.8	80-125	0			
Methyl tert-butyl ether	1012	30	1000	0	101	75-125	0			
Methylene chloride	913	30	1000	0	91.3	55-145	0			
o-Xylene	939.5	30	1000	0	94	75-125	0			
Styrene	954	30	1000	0	95.4	75-125	0			
Tetrachloroethene	889.5	30	1000	0	89	64-140	0			
Toluene	1042	30	1000	0	104	70-125	0			
trans-1,2-Dichloroethene	973.5	30	1000	0	97.4	65-135	0			
trans-1,3-Dichloropropene	938.5	30	1000	0	93.8	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	883	30	1000	0	88.3	75-125	0
Trichlorofluoromethane	983	30	1000	0	98.3	25-185	0
Vinyl chloride	1048	30	1000	0	105	60-125	0
Xylenes, Total	2836	90	3000	0	94.5	75-125	0
Surr: 1,2-Dichloroethane-d4	*951*	0	*1000*	0	*95.1*	*70-130*	0
Surr: 4-Bromofluorobenzene	*1010*	0	*1000*	0	*101*	*70-130*	0
Surr: Dibromofluoromethane	*939.5*	0	*1000*	0	*94*	*70-130*	0
Surr: Toluene-d8	*975.5*	0	*1000*	0	*97.6*	*70-130*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

MSD Sample ID: **1303834-06A MSD** Units: **µg/Kg** Analysis Date: **3/28/2013 10:07 AM**
Client ID: **SB-4 (6-8')** Run ID: **VMS5_130327B** SeqNo: **2252826** Prep Date: **3/27/2013** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	943.5	30	1000	0	94.4	70-135	921.5	2.36	30	
1,1,2,2-Tetrachloroethane	858	30	1000	0	85.8	55-130	888.5	3.49	30	
1,1,2-Trichloroethane	863	30	1000	0	86.3	60-125	882	2.18	30	
1,1-Dichloroethane	973	30	1000	0	97.3	75-125	976	0.308	30	
1,1-Dichloroethene	971	30	1000	0	97.1	65-135	976.5	0.565	30	
1,2,4-Trichlorobenzene	968	30	1000	0	96.8	65-130	868	10.9	30	
1,2-Dibromo-3-chloropropane	851	30	1000	0	85.1	40-135	807.5	5.25	30	
1,2-Dibromoethane	910	30	1000	0	91	70-125	906	0.441	30	
1,2-Dichlorobenzene	970	30	1000	0	97	75-120	909	6.49	30	
1,2-Dichloroethane	924.5	30	1000	0	92.4	70-135	908.5	1.75	30	
1,2-Dichloropropane	1010	30	1000	0	101	70-120	967.5	4.3	30	
1,3-Dichlorobenzene	946	30	1000	0	94.6	70-125	906	4.32	30	
1,4-Dichlorobenzene	906.5	30	1000	0	90.6	70-125	869.5	4.17	30	
2-Butanone	935	200	1000	0	93.5	30-160	1006	7.37	30	
2-Hexanone	905	30	1000	0	90.5	45-145	902	0.332	30	
4-Methyl-2-pentanone	1254	30	1000	0	125	45-145	1264	0.754	30	
Acetone	1162	100	1000	0	116	20-160	1090	6.4	30	
Benzene	966.5	30	1000	0	96.6	75-125	940	2.78	30	
Bromodichloromethane	947	30	1000	0	94.7	70-130	900.5	5.03	30	
Bromoform	818	30	1000	0	81.8	55-135	828.5	1.28	30	
Bromomethane	872.5	75	1000	0	87.2	30-160	968.5	10.4	30	
Carbon disulfide	932	30	1000	0	93.2	45-160	977.5	4.77	30	
Carbon tetrachloride	937	30	1000	0	93.7	65-135	910.5	2.87	30	
Chlorobenzene	939	30	1000	0	93.9	75-125	935.5	0.373	30	
Chloroethane	855	100	1000	0	85.5	40-155	932	8.62	30	
Chloroform	960.5	30	1000	0	96	70-125	944.5	1.68	30	
Chloromethane	935	100	1000	0	93.5	50-130	950	1.59	30	
cis-1,2-Dichloroethene	952	30	1000	0	95.2	65-125	938.5	1.43	30	
cis-1,3-Dichloropropene	944.5	30	1000	0	94.4	70-125	893.5	5.55	30	
Dibromochloromethane	830.5	30	1000	0	83	65-135	824.5	0.725	30	
Dichlorodifluoromethane	806.5	30	1000	0	80.6	35-135	816.5	1.23	30	
Ethylbenzene	938	30	1000	0	93.8	75-125	911	2.92	30	
Isopropylbenzene	977	30	1000	0	97.7	75-130	915	6.55	30	
m,p-Xylene	1936	60	2000	0	96.8	80-125	1896	2.06	30	
Methyl tert-butyl ether	1042	30	1000	0	104	75-125	1012	2.87	30	
Methylene chloride	921.5	30	1000	0	92.2	55-145	913	0.927	30	
o-Xylene	948.5	30	1000	0	94.8	75-125	939.5	0.953	30	
Styrene	964.5	30	1000	0	96.4	75-125	954	1.09	30	
Tetrachloroethene	894.5	30	1000	0	89.4	64-140	889.5	0.561	30	
Toluene	1029	30	1000	0	103	70-125	1042	1.26	30	
trans-1,2-Dichloroethene	965.5	30	1000	0	96.6	65-135	973.5	0.825	30	
trans-1,3-Dichloropropene	916.5	30	1000	0	91.6	65-125	938.5	2.37	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **47228** Instrument ID **VMS8** Method: **SW8260**

Trichloroethene	903.5	30	1000	0	90.4	75-125	883	2.29	30
Trichlorofluoromethane	968	30	1000	0	96.8	25-185	983	1.54	30
Vinyl chloride	990.5	30	1000	0	99	60-125	1048	5.59	30
Xylenes, Total	2884	90	3000	0	96.2	75-125	2836	1.7	30
Surr: 1,2-Dichloroethane-d4	*967.5*	0	*1000*	0	*96.8*	*70-130*	951	*1.72*	*30*
Surr: 4-Bromofluorobenzene	*995.5*	0	*1000*	0	*99.6*	*70-130*	1010	*1.4*	*30*
Surr: Dibromofluoromethane	*977.5*	0	*1000*	0	*97.8*	*70-130*	939.5	*3.96*	*30*
Surr: Toluene-d8	*960*	0	*1000*	0	*96*	*70-130*	975.5	*1.6*	*30*

The following samples were analyzed in this batch:

1303834-01A	1303834-02A	1303834-03A
1303834-04A	1303834-06A	1303834-07A
1303834-08A	1303834-09A	1303834-10A
1303834-13A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **VBLKS1-130327-R117960** Units: **µg/Kg** Analysis Date: **3/27/2013 11:30 AM**
Client ID: Run ID: **VMS7_130327A** SeqNo: **2251329** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1,2-Trichlorotrifluoroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trichlorobenzene	U	5.0								
1,2-Dibromo-3-chloropropane	U	5.0								
1,2-Dibromoethane	U	5.0								
1,2-Dichlorobenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3-Dichlorobenzene	U	5.0								
1,4-Dichlorobenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	10								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	U	5.0								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	0.52	5.0								J
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Cyclohexane	0.32	5.0								J
Dibromochloromethane	U	5.0								
Dichlorodifluoromethane	U	10								
Ethylbenzene	U	5.0								
Isopropylbenzene	U	5.0								
m,p-Xylene	U	2.5								
Methyl acetate	U	10								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	10								
Methylene chloride	1.31	5.0								J
o-Xylene	U	2.5								
Styrene	U	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

Tetrachloroethene	U	5.0					
Toluene	U	5.0					
trans-1,2-Dichloroethene	U	5.0					
trans-1,3-Dichloropropene	U	10					
Trichloroethene	U	5.0					
Trichlorofluoromethane	U	5.0					
Vinyl chloride	U	5.0					
Xylenes, Total	U	5.0					
Surr: 1,2-Dichloroethane-d4	*21.46*	0	*20*	0	*107*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.81*	0	*20*	0	*104*	*75-120*	0
Surr: Dibromofluoromethane	*20.74*	0	*20*	0	*104*	*85-115*	0
Surr: Toluene-d8	*20.12*	0	*20*	0	*101*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

LCS	Sample ID: **VLCSS1-130327-R117960**				Units: **µg/Kg**			Analysis Date: **3/27/2013 10:21 AM**		
Client ID:		Run ID: **VMS7_130327A**			SeqNo: **2251328**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.5	5.0	20	0	92.5	70-135	0			
1,1,2,2-Tetrachloroethane	19.01	5.0	20	0	95	55-130	0			
1,1,2-Trichloroethane	17.38	5.0	20	0	86.9	60-125	0			
1,1-Dichloroethane	17.85	5.0	20	0	89.2	75-125	0			
1,1-Dichloroethene	18.67	5.0	20	0	93.4	65-135	0			
1,2,4-Trichlorobenzene	18.46	5.0	20	0	92.3	65-130	0			
1,2-Dibromo-3-chloropropane	18.27	5.0	20	0	91.4	40-135	0			
1,2-Dibromoethane	18.08	5.0	20	0	90.4	70-125	0			
1,2-Dichlorobenzene	18.35	5.0	20	0	91.8	75-120	0			
1,2-Dichloroethane	18.65	5.0	20	0	93.2	70-135	0			
1,2-Dichloropropane	18.28	5.0	20	0	91.4	70-120	0			
1,3-Dichlorobenzene	18.45	5.0	20	0	92.2	70-125	0			
1,4-Dichlorobenzene	18.3	5.0	20	0	91.5	70-125	0			
2-Butanone	21.72	10	20	0	109	30-160	0			
2-Hexanone	22.35	5.0	20	0	112	45-145	0			
4-Methyl-2-pentanone	29.95	5.0	20	0	150	45-145	0			S
Acetone	23.27	10	20	0	116	20-160	0			
Benzene	18.83	5.0	20	0	94.2	75-125	0			
Bromodichloromethane	19.03	5.0	20	0	95.2	70-130	0			
Bromoform	18.11	5.0	20	0	90.6	55-135	0			
Bromomethane	19.15	10	20	0	95.8	30-160	0			
Carbon disulfide	19.2	5.0	20	0	96	45-160	0			
Carbon tetrachloride	20.14	5.0	20	0	101	65-135	0			
Chlorobenzene	18.13	5.0	20	0	90.6	75-125	0			
Chloroethane	18.2	5.0	20	0	91	40-155	0			
Chloroform	18.36	5.0	20	0	91.8	70-125	0			
Chloromethane	19.56	10	20	0	97.8	50-130	0			
cis-1,2-Dichloroethene	19.5	5.0	20	0	97.5	65-125	0			
cis-1,3-Dichloropropene	18.22	5.0	20	0	91.1	70-125	0			
Dibromochloromethane	18.4	5.0	20	0	92	65-135	0			
Dichlorodifluoromethane	15.56	10	20	0	77.8	35-135	0			
Ethylbenzene	18.84	5.0	20	0	94.2	75-125	0			
Isopropylbenzene	18.57	5.0	20	0	92.8	75-130	0			
m,p-Xylene	37.08	2.5	40	0	92.7	80-125	0			
Methyl tert-butyl ether	20.7	5.0	20	0	104	75-125	0			
Methylene chloride	19.34	5.0	20	0	96.7	55-140	0			
o-Xylene	18.5	2.5	20	0	92.5	75-125	0			
Styrene	18.3	5.0	20	0	91.5	75-125	0			
Tetrachloroethene	18.04	5.0	20	0	90.2	65-140	0			
Toluene	18.4	5.0	20	0	92	70-125	0			
trans-1,2-Dichloroethene	18.7	5.0	20	0	93.5	65-135	0			
trans-1,3-Dichloropropene	19.07	10	20	0	95.4	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	17.35	5.0	20	0	86.8	75-125	0
Trichlorofluoromethane	17.22	5.0	20	0	86.1	25-185	0
Vinyl chloride	18.27	5.0	20	0	91.4	60-125	0
Xylenes, Total	55.58	5.0	60	0	92.6	75-125	0
Surr: 1,2-Dichloroethane-d4	*21.63*	0	*20*	0	*108*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.31*	0	*20*	0	*102*	*75-120*	0
Surr: Dibromofluoromethane	*20.72*	0	*20*	0	*104*	*85-115*	0
Surr: Toluene-d8	*20*	0	*20*	0	*100*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

MS Sample ID: **1303646-44A MS** Units: **µg/Kg** Analysis Date: **3/27/2013 06:55 PM**
Client ID: Run ID: **VMS7_130327A** SeqNo: **2252094** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	14.71	5.0	20	0	73.6	70-135	0			
1,1,2,2-Tetrachloroethane	9.08	5.0	20	0	45.4	55-130	0			S
1,1,2-Trichloroethane	11.26	5.0	20	0	56.3	60-125	0			S
1,1-Dichloroethane	14.76	5.0	20	0	73.8	75-125	0			S
1,1-Dichloroethene	16.48	5.0	20	0	82.4	65-135	0			
1,2,4-Trichlorobenzene	3.14	5.0	20	0	15.7	65-130	0			JS
1,2-Dibromo-3-chloropropane	6.65	5.0	20	0	33.2	40-135	0			S
1,2-Dibromoethane	9.87	5.0	20	0	49.4	70-125	0			S
1,2-Dichlorobenzene	5.09	5.0	20	0	25.4	75-120	0			S
1,2-Dichloroethane	13.42	5.0	20	0	67.1	70-135	0			S
1,2-Dichloropropane	12.79	5.0	20	0	64	70-120	0			S
1,3-Dichlorobenzene	5.65	5.0	20	0	28.2	70-125	0			S
1,4-Dichlorobenzene	5.32	5.0	20	0	26.6	70-125	0			S
2-Butanone	36.85	10	20	28.19	43.3	30-160	0			
2-Hexanone	20.1	5.0	20	0	100	45-145	0			
4-Methyl-2-pentanone	18.97	5.0	20	0	94.8	45-145	0			
Acetone	55.12	10	20	80.93	-129	20-160	0			SO
Benzene	15.96	5.0	20	0.6969	76.3	75-125	0			
Bromodichloromethane	11.48	5.0	20	0	57.4	70-130	0			S
Bromoform	6.91	5.0	20	0	34.6	55-135	0			S
Bromomethane	3.67	10	20	0	18.4	30-160	0			JS
Carbon disulfide	16.53	5.0	20	8.803	38.6	45-160	0			S
Carbon tetrachloride	14.78	5.0	20	0	73.9	65-135	0			
Chlorobenzene	8.93	5.0	20	0	44.6	75-125	0			S
Chloroethane	19.45	5.0	20	0	97.2	40-155	0			
Chloroform	14.75	5.0	20	0.6236	70.6	70-125	0			
Chloromethane	11.11	10	20	0	55.6	50-130	0			
cis-1,2-Dichloroethene	15.22	5.0	20	0	76.1	65-125	0			
cis-1,3-Dichloropropene	9.83	5.0	20	0	49.2	70-125	0			S
Dibromochloromethane	8.84	5.0	20	0	44.2	65-135	0			S
Dichlorodifluoromethane	16.18	10	20	0	80.9	35-135	0			
Ethylbenzene	10.1	5.0	20	0.3668	48.7	75-125	0			S
Isopropylbenzene	8.8	5.0	20	0	44	75-130	0			S
m,p-Xylene	20.66	2.5	40	0.7244	49.8	80-125	0			S
Methyl tert-butyl ether	16.51	5.0	20	0	82.6	75-125	0			
Methylene chloride	17.41	5.0	20	0.5869	84.1	55-140	0			
o-Xylene	9.17	2.5	20	0.3851	43.9	75-125	0			S
Styrene	7.26	5.0	20	0	36.3	75-125	0			S
Tetrachloroethene	10.99	5.0	20	0	55	65-140	0			S
Toluene	15.79	5.0	20	1.88	69.6	70-125	0			S
trans-1,2-Dichloroethene	15.08	5.0	20	0	75.4	65-135	0			
trans-1,3-Dichloropropene	9.8	10	20	0	49	65-125	0			JS

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	12.18	5.0	20	0	60.9	75-125	0	S
Trichlorofluoromethane	16.25	5.0	20	0	81.2	25-185	0	
Vinyl chloride	12.99	5.0	20	0	65	60-125	0	
Xylenes, Total	29.83	5.0	60	1.11	47.9	75-125	0	S
Surr: 1,2-Dichloroethane-d4	*22.9*	0	*20*	0	*114*	*70-120*	0	
Surr: 4-Bromofluorobenzene	*21.44*	0	*20*	0	*107*	*75-120*	0	
Surr: Dibromofluoromethane	*21.63*	0	*20*	0	*108*	*85-115*	0	
Surr: Toluene-d8	*21.53*	0	*20*	0	*108*	*85-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R117960** Instrument ID **VMS7** Method: **SW8260**

MSD Sample ID: **1303646-44A MSD** Units: **µg/Kg** Analysis Date: **3/27/2013 07:22 PM**

Client ID: Run ID: **VMS7_130327A** SeqNo: **2252095** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	16.25	5.0	20	0	81.2	70-135	14.71	9.95	30	
1,1,2,2-Tetrachloroethane	10.06	5.0	20	0	50.3	55-130	9.08	10.2	30	S
1,1,2-Trichloroethane	12.15	5.0	20	0	60.8	60-125	11.26	7.6	30	
1,1-Dichloroethane	15.86	5.0	20	0	79.3	75-125	14.76	7.18	30	
1,1-Dichloroethene	18.83	5.0	20	0	94.2	65-135	16.48	13.3	30	
1,2,4-Trichlorobenzene	2.96	5.0	20	0	14.8	65-130	3.14	0	30	JS
1,2-Dibromo-3-chloropropane	6.6	5.0	20	0	33	40-135	6.65	0.755	30	S
1,2-Dibromoethane	10.69	5.0	20	0	53.4	70-125	9.87	7.98	30	S
1,2-Dichlorobenzene	5.18	5.0	20	0	25.9	75-120	5.09	1.75	30	S
1,2-Dichloroethane	14.31	5.0	20	0	71.6	70-135	13.42	6.42	30	
1,2-Dichloropropane	13.97	5.0	20	0	69.8	70-120	12.79	8.82	30	S
1,3-Dichlorobenzene	5.69	5.0	20	0	28.4	70-125	5.65	0.705	30	S
1,4-Dichlorobenzene	5.52	5.0	20	0	27.6	70-125	5.32	3.69	30	S
2-Butanone	41.39	10	20	28.19	66	30-160	36.85	11.6	30	
2-Hexanone	23.06	5.0	20	0	115	45-145	20.1	13.7	30	
4-Methyl-2-pentanone	21.03	5.0	20	0	105	45-145	18.97	10.3	30	
Acetone	61.61	10	20	80.93	-96.6	20-160	55.12	11.1	30	SO
Benzene	17.25	5.0	20	0.6969	82.8	75-125	15.96	7.77	30	
Bromodichloromethane	12.04	5.0	20	0	60.2	70-130	11.48	4.76	30	S
Bromoform	6.36	5.0	20	0	31.8	55-135	6.91	8.29	30	S
Bromomethane	5.93	10	20	0	29.6	30-160	3.67	0	30	JS
Carbon disulfide	18.32	5.0	20	8.803	47.6	45-160	16.53	10.3	30	
Carbon tetrachloride	16.34	5.0	20	0	81.7	65-135	14.78	10	30	
Chlorobenzene	9.46	5.0	20	0	47.3	75-125	8.93	5.76	30	S
Chloroethane	22.26	5.0	20	0	111	40-155	19.45	13.5	30	
Chloroform	15.77	5.0	20	0.6236	75.7	70-125	14.75	6.68	30	
Chloromethane	18.14	10	20	0	90.7	50-130	11.11	48.1	30	R
cis-1,2-Dichloroethene	16.27	5.0	20	0	81.4	65-125	15.22	6.67	30	
cis-1,3-Dichloropropene	9.82	5.0	20	0	49.1	70-125	9.83	0.102	30	S
Dibromochloromethane	8.69	5.0	20	0	43.4	65-135	8.84	1.71	30	S
Dichlorodifluoromethane	19.27	10	20	0	96.4	35-135	16.18	17.4	30	
Ethylbenzene	10.98	5.0	20	0.3668	53.1	75-125	10.1	8.35	30	S
Isopropylbenzene	9.49	5.0	20	0	47.4	75-130	8.8	7.55	30	S
m,p-Xylene	22.15	2.5	40	0.7244	53.6	80-125	20.66	6.96	30	S
Methyl tert-butyl ether	14.27	5.0	20	0	71.4	75-125	16.51	14.6	30	S
Methylene chloride	19.01	5.0	20	0.5869	92.1	55-140	17.41	8.79	30	
o-Xylene	9.82	2.5	20	0.3851	47.2	75-125	9.17	6.85	30	S
Styrene	7.54	5.0	20	0	37.7	75-125	7.26	3.78	30	S
Tetrachloroethene	11.72	5.0	20	0	58.6	65-140	10.99	6.43	30	S
Toluene	16.05	5.0	20	1.88	70.9	70-125	15.79	1.63	30	
trans-1,2-Dichloroethene	16.8	5.0	20	0	84	65-135	15.08	10.8	30	
trans-1,3-Dichloropropene	9.12	10	20	0	45.6	65-125	9.8	0	30	JS

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R117960**	Instrument ID **VMS7**			Method: **SW8260**						
Trichloroethene	13.36	5.0	20	0	66.8	75-125	12.18	9.24	30	S
Trichlorofluoromethane	18.69	5.0	20	0	93.4	25-185	16.25	14	30	
Vinyl chloride	15.36	5.0	20	0	76.8	60-125	12.99	16.7	30	
Xylenes, Total	31.97	5.0	60	1.11	51.4	75-125	29.83	6.93	30	S
Surr: 1,2-Dichloroethane-d4	*23.25*	0	*20*	0	*116*	*70-120*	22.9	*1.52*	*30*	
Surr: 4-Bromofluorobenzene	*21.5*	0	*20*	0	*108*	*75-120*	21.44	*0.279*	*30*	
Surr: Dibromofluoromethane	*22.55*	0	*20*	0	*113*	*85-115*	21.63	*4.16*	*30*	
Surr: Toluene-d8	*21.4*	0	*20*	0	*107*	*85-120*	21.53	*0.606*	*30*	

The following samples were analyzed in this batch: 1303834-13A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

MBLK Sample ID: **VBLKW2-130327-R118006A** Units: **µg/L** Analysis Date: **3/28/2013 02:00 AM**
Client ID: Run ID: **VMS5_130327B** SeqNo: **2252816** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
1,3-Dichlorobenzene	U	2.0								
1,4-Dichlorobenzene	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	1.0								
Dichlorodifluoromethane	U	1.0								
Ethylbenzene	U	1.0								
Isopropylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	5.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

Tetrachloroethene	U	2.0					
Toluene	U	1.0					
trans-1,2-Dichloroethene	U	1.0					
trans-1,3-Dichloropropene	U	1.0					
Trichloroethene	U	1.0					
Trichlorofluoromethane	U	1.0					
Vinyl chloride	U	1.0					
Xylenes, Total	U	3.0					
Surr: 1,2-Dichloroethane-d4	*19.22*	0	*20*	0	*96.1*	*70-120*	0
Surr: 4-Bromofluorobenzene	*19.96*	0	*20*	0	*99.8*	*75-120*	0
Surr: Dibromofluoromethane	*19.19*	0	*20*	0	*96*	*85-115*	0
Surr: Toluene-d8	*19.48*	0	*20*	0	*97.4*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

LCS Sample ID: **VLCSW2-130327-R118006A** Units: **µg/L** Analysis Date: **3/28/2013 01:13 AM**
Client ID: Run ID: **VMS5_130327B** SeqNo: **2252815** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.22	1.0	20	0	101	65-130	0			
1,1,2,2-Tetrachloroethane	18.81	1.0	20	0	94	65-130	0			
1,1,2-Trichloroethane	18.18	1.0	20	0	90.9	75-125	0			
1,1-Dichloroethane	20.87	1.0	20	0	104	70-135	0			
1,1-Dichloroethene	21.11	1.0	20	0	106	70-130	0			
1,2,4-Trichlorobenzene	19.17	1.0	20	0	95.8	65-135	0			
1,2-Dibromo-3-chloropropane	18.24	1.0	20	0	91.2	50-130	0			
1,2-Dibromoethane	19.51	1.0	20	0	97.6	80-120	0			
1,2-Dichlorobenzene	19.4	1.0	20	0	97	70-120	0			
1,2-Dichloroethane	19.6	1.0	20	0	98	70-130	0			
1,2-Dichloropropane	21.2	2.0	20	0	106	75-125	0			
1,3-Dichlorobenzene	19.74	2.0	20	0	98.7	75-125	0			
1,4-Dichlorobenzene	19.13	2.0	20	0	95.6	75-125	0			
2-Butanone	20.54	5.0	20	0	103	30-150	0			
2-Hexanone	20.28	5.0	20	0	101	55-130	0			
4-Methyl-2-pentanone	27.84	5.0	20	0	139	60-135	0			S
Acetone	21.21	20	20	0	106	40-140	0			
Benzene	20.48	1.0	20	0	102	80-120	0			
Bromodichloromethane	20.39	1.0	20	0	102	75-120	0			
Bromoform	19.34	1.0	20	0	96.7	70-130	0			
Bromomethane	26.96	1.0	20	0	135	30-145	0			
Carbon disulfide	21.25	2.5	20	0	106	35-165	0			
Carbon tetrachloride	20.39	1.0	20	0	102	65-140	0			
Chlorobenzene	20.38	1.0	20	0	102	80-120	0			
Chloroethane	21.93	1.0	20	0	110	60-135	0			
Chloroform	20.33	1.0	20	0	102	65-135	0			
Chloromethane	20.19	1.0	20	0	101	70-125	0			
cis-1,2-Dichloroethene	20.59	1.0	20	0	103	70-125	0			
cis-1,3-Dichloropropene	20.88	1.0	20	0	104	70-130	0			
Dibromochloromethane	19.01	1.0	20	0	95	60-135	0			
Dichlorodifluoromethane	16.59	1.0	20	0	83	30-155	0			
Ethylbenzene	19.95	1.0	20	0	99.8	75-125	0			
Isopropylbenzene	20.27	1.0	20	0	101	75-125	0			
m,p-Xylene	40.01	2.0	40	0	100	75-130	0			
Methyl tert-butyl ether	23.53	5.0	20	0	118	65-125	0			
Methylene chloride	19.11	5.0	20	0	95.6	55-140	0			
o-Xylene	20.24	1.0	20	0	101	80-120	0			
Styrene	20.63	1.0	20	0	103	65-135	0			
Tetrachloroethene	19.94	2.0	20	0	99.7	45-150	0			
Toluene	19.97	1.0	20	0	99.8	75-120	0			
trans-1,2-Dichloroethene	21.36	1.0	20	0	107	60-140	0			
trans-1,3-Dichloropropene	20.57	1.0	20	0	103	55-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

Trichloroethene	19.45	1.0	20	0	97.2	70-125	0
Trichlorofluoromethane	21.23	1.0	20	0	106	60-145	0
Vinyl chloride	22.24	1.0	20	0	111	50-145	0
Xylenes, Total	60.25	3.0	60	0	100	75-130	0
Surr: 1,2-Dichloroethane-d4	*19.05*	0	*20*	0	*95.2*	*70-120*	0
Surr: 4-Bromofluorobenzene	*20.16*	0	*20*	0	*101*	*75-120*	0
Surr: Dibromofluoromethane	*19.64*	0	*20*	0	*98.2*	*85-115*	0
Surr: Toluene-d8	*19.2*	0	*20*	0	*96*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

MS Sample ID: **1303837-01A MS** Units: **µg/L** Analysis Date: **3/28/2013 10:31 AM**

Client ID: Run ID: **VMS5_130327B** SeqNo: **2252821** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.78	1.0	20	0	104	65-130	0			
1,1,2,2-Tetrachloroethane	U	1.0	20	0	0	65-130	0			S
1,1,2-Trichloroethane	8.47	1.0	20	0	42.4	75-125	0			S
1,1-Dichloroethane	20.9	1.0	20	0	104	70-135	0			
1,1-Dichloroethene	31.27	1.0	20	0	156	70-130	0			S
1,2,4-Trichlorobenzene	20.04	1.0	20	0	100	65-135	0			
1,2-Dibromo-3-chloropropane	8.75	1.0	20	0	43.8	50-130	0			S
1,2-Dibromoethane	18.58	1.0	20	0	92.9	80-120	0			
1,2-Dichlorobenzene	19.5	1.0	20	0	97.5	70-120	0			
1,2-Dichloroethane	19.11	1.0	20	0	95.6	70-130	0			
1,2-Dichloropropane	20.78	2.0	20	0	104	75-125	0			
1,3-Dichlorobenzene	20.01	2.0	20	0	100	75-125	0			
1,4-Dichlorobenzene	18.83	2.0	20	0	94.2	75-125	0			
2-Butanone	38.59	5.0	20	0	193	30-150	0			S
2-Hexanone	33.27	5.0	20	0	166	55-130	0			S
4-Methyl-2-pentanone	22.21	5.0	20	0	111	60-135	0			
Acetone	51.15	20	20	0	256	40-140	0			S
Benzene	20.69	1.0	20	0	103	80-120	0			
Bromodichloromethane	16.09	1.0	20	0	80.4	75-120	0			
Bromoform	16.46	1.0	20	0	82.3	70-130	0			
Bromomethane	18.12	1.0	20	0	90.6	30-145	0			
Carbon disulfide	8.36	2.5	20	0	41.8	35-165	0			
Carbon tetrachloride	20.9	1.0	20	0	104	65-140	0			
Chlorobenzene	19.67	1.0	20	0	98.4	80-120	0			
Chloroethane	23.09	1.0	20	0	115	60-135	0			
Chloroform	20.95	1.0	20	0	105	65-135	0			
Chloromethane	20.39	1.0	20	0	102	70-125	0			
cis-1,2-Dichloroethene	20.27	1.0	20	0	101	70-125	0			
cis-1,3-Dichloropropene	18.27	1.0	20	0	91.4	70-130	0			
Dibromochloromethane	15.32	1.0	20	0	76.6	60-135	0			
Dichlorodifluoromethane	18.86	1.0	20	0	94.3	30-155	0			
Ethylbenzene	20.37	1.0	20	0	102	75-125	0			
Isopropylbenzene	21.12	1.0	20	0	106	75-125	0			
m,p-Xylene	40.76	2.0	40	0	102	75-130	0			
Methyl tert-butyl ether	22.57	5.0	20	0	113	65-125	0			
Methylene chloride	19.37	5.0	20	0	96.8	55-140	0			
o-Xylene	20.55	1.0	20	0	103	80-120	0			
Styrene	20.62	1.0	20	0	103	65-135	0			
Tetrachloroethene	37.32	2.0	20	0	187	45-150	0			S
Toluene	20.45	1.0	20	0	102	75-120	0			
trans-1,2-Dichloroethene	21.15	1.0	20	0	106	60-140	0			
trans-1,3-Dichloropropene	18.26	1.0	20	0	91.3	55-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

Trichloroethene	38.55	1.0	20	0	193	70-125	0	S
Trichlorofluoromethane	22.15	1.0	20	0	111	60-145	0	
Vinyl chloride	23.63	1.0	20	0	118	50-145	0	
Xylenes, Total	61.31	3.0	60	0	102	75-130	0	
Surr: 1,2-Dichloroethane-d4	*20.05*	0	*20*	0	*100*	*70-120*	0	
Surr: 4-Bromofluorobenzene	*20.27*	0	*20*	0	*101*	*75-120*	0	
Surr: Dibromofluoromethane	*18.67*	0	*20*	0	*93.4*	*85-115*	0	
Surr: Toluene-d8	*19.38*	0	*20*	0	*96.9*	*85-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

MSD Sample ID: **1303837-01A MSD** Units: **µg/L** Analysis Date: **3/28/2013 10:54 AM**
Client ID: Run ID: **VMS5_130327B** SeqNo: **2252822** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.47	1.0	20	0	102	65-130	20.78	1.5	30	
1,1,2,2-Tetrachloroethane	U	1.0	20	0	0	65-130	0	0	30	S
1,1,2-Trichloroethane	8.41	1.0	20	0	42	75-125	8.47	0.711	30	S
1,1-Dichloroethane	20.68	1.0	20	0	103	70-135	20.9	1.06	30	
1,1-Dichloroethene	30.89	1.0	20	0	154	70-130	31.27	1.22	30	S
1,2,4-Trichlorobenzene	20.83	1.0	20	0	104	65-135	20.04	3.87	30	
1,2-Dibromo-3-chloropropane	8.21	1.0	20	0	41	50-130	8.75	6.37	30	S
1,2-Dibromoethane	18.74	1.0	20	0	93.7	80-120	18.58	0.857	30	
1,2-Dichlorobenzene	19.63	1.0	20	0	98.2	70-120	19.5	0.664	30	
1,2-Dichloroethane	19.23	1.0	20	0	96.2	70-130	19.11	0.626	30	
1,2-Dichloropropane	20.93	2.0	20	0	105	75-125	20.78	0.719	30	
1,3-Dichlorobenzene	19.93	2.0	20	0	99.6	75-125	20.01	0.401	30	
1,4-Dichlorobenzene	19.67	2.0	20	0	98.4	75-125	18.83	4.36	30	
2-Butanone	38.08	5.0	20	0	190	30-150	38.59	1.33	30	S
2-Hexanone	33.01	5.0	20	0	165	55-130	33.27	0.785	30	S
4-Methyl-2-pentanone	23.18	5.0	20	0	116	60-135	22.21	4.27	30	
Acetone	51.34	20	20	0	257	40-140	51.15	0.371	30	S
Benzene	19.91	1.0	20	0	99.6	80-120	20.69	3.84	30	
Bromodichloromethane	15.48	1.0	20	0	77.4	75-120	16.09	3.86	30	
Bromoform	17.08	1.0	20	0	85.4	70-130	16.46	3.7	30	
Bromomethane	18.94	1.0	20	0	94.7	30-145	18.12	4.43	30	
Carbon disulfide	7.7	2.5	20	0	38.5	35-165	8.36	8.22	30	
Carbon tetrachloride	20.45	1.0	20	0	102	65-140	20.9	2.18	30	
Chlorobenzene	19.61	1.0	20	0	98	80-120	19.67	0.305	30	
Chloroethane	22.77	1.0	20	0	114	60-135	23.09	1.4	30	
Chloroform	20.85	1.0	20	0	104	65-135	20.95	0.478	30	
Chloromethane	20.16	1.0	20	0	101	70-125	20.39	1.13	30	
cis-1,2-Dichloroethene	20.14	1.0	20	0	101	70-125	20.27	0.643	30	
cis-1,3-Dichloropropene	17.66	1.0	20	0	88.3	70-130	18.27	3.4	30	
Dibromochloromethane	15.88	1.0	20	0	79.4	60-135	15.32	3.59	30	
Dichlorodifluoromethane	19.35	1.0	20	0	96.8	30-155	18.86	2.56	30	
Ethylbenzene	20.08	1.0	20	0	100	75-125	20.37	1.43	30	
Isopropylbenzene	21.27	1.0	20	0	106	75-125	21.12	0.708	30	
m,p-Xylene	40.27	2.0	40	0	101	75-130	40.76	1.21	30	
Methyl tert-butyl ether	22.73	5.0	20	0	114	65-125	22.57	0.706	30	
Methylene chloride	19.09	5.0	20	0	95.4	55-140	19.37	1.46	30	
o-Xylene	20.26	1.0	20	0	101	80-120	20.55	1.42	30	
Styrene	20.44	1.0	20	0	102	65-135	20.62	0.877	30	
Tetrachloroethene	35.97	2.0	20	0	180	45-150	37.32	3.68	30	S
Toluene	19.89	1.0	20	0	99.4	75-120	20.45	2.78	30	
trans-1,2-Dichloroethene	20.7	1.0	20	0	104	60-140	21.15	2.15	30	
trans-1,3-Dichloropropene	17.57	1.0	20	0	87.8	55-140	18.26	3.85	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118006A** Instrument ID **VMS5** Method: **SW8260**

Trichloroethene	37.42	1.0	20	0	187	70-125	38.55	2.97	30	S
Trichlorofluoromethane	22.31	1.0	20	0	112	60-145	22.15	0.72	30	
Vinyl chloride	23.07	1.0	20	0	115	50-145	23.63	2.4	30	
Xylenes, Total	60.53	3.0	60	0	101	75-130	61.31	1.28	30	
Surr: 1,2-Dichloroethane-d4	*19.66*	0	*20*	0	*98.3*	*70-120*	20.05	*1.96*	*30*	
Surr: 4-Bromofluorobenzene	*20.75*	0	*20*	0	*104*	*75-120*	20.27	*2.34*	*30*	
Surr: Dibromofluoromethane	*18.23*	0	*20*	0	*91.2*	*85-115*	18.67	*2.38*	*30*	
Surr: Toluene-d8	*19.27*	0	*20*	0	*96.4*	*85-120*	19.38	*0.569*	*30*	

The following samples were analyzed in this batch: 1303834-11A 1303834-12A 1303834-14A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118006B** Instrument ID **VMS5** Method: **SW8260**

MBLK	Sample ID: **VBLKW2-130327-R118006B**				Units: **µg/L**			Analysis Date: **3/28/2013 02:00 AM**		
Client ID:		Run ID: **VMS5_130327B**			SeqNo: **2253032**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	U	50								
Surr: 1,2-Dichloroethane-d4	*17.33*	0	*20*	0	*86.6*	*70-120*	0			
Surr: 4-Bromofluorobenzene	*18.49*	0	*20*	0	*92.4*	*75-120*	0			
Surr: Dibromofluoromethane	*17.33*	0	*20*	0	*86.6*	*85-115*	0			
Surr: Toluene-d8	*17.77*	0	*20*	0	*88.8*	*85-120*	0			

LCS	Sample ID: **VLCSW3-130327-R118006B**				Units: **µg/L**			Analysis Date: **3/28/2013 01:37 AM**		
Client ID:		Run ID: **VMS5_130327B**			SeqNo: **2253031**		Prep Date:		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	365.6	50	500	0	73.1	70-130	0			
Surr: Toluene-d8	*17.75*	0	*20*	0	*88.8*	*85-120*	0			

The following samples were analyzed in this batch: 1303834-11A 1303834-12A 1303834-14A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **VBLKS1-130328-R118032** Units: **µg/Kg** Analysis Date: **3/28/2013 12:43 PM**
Client ID: Run ID: **VMS7_130328A** SeqNo: **2254242** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	5.0								
1,1,2,2-Tetrachloroethane	U	5.0								
1,1,2-Trichloroethane	U	5.0								
1,1,2-Trichlorotrifluoroethane	U	5.0								
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2,4-Trichlorobenzene	U	5.0								
1,2-Dibromo-3-chloropropane	U	5.0								
1,2-Dibromoethane	U	5.0								
1,2-Dichlorobenzene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,2-Dichloropropane	U	5.0								
1,3-Dichlorobenzene	U	5.0								
1,4-Dichlorobenzene	U	5.0								
2-Butanone	U	10								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	10								
Benzene	U	5.0								
Bromodichloromethane	U	5.0								
Bromoform	U	5.0								
Bromomethane	U	10								
Carbon disulfide	0.4	5.0								J
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroethane	U	5.0								
Chloroform	0.41	5.0								J
Chloromethane	U	10								
cis-1,2-Dichloroethene	U	5.0								
cis-1,3-Dichloropropene	U	5.0								
Cyclohexane	U	5.0								
Dibromochloromethane	U	5.0								
Dichlorodifluoromethane	U	10								
Ethylbenzene	U	5.0								
Isopropylbenzene	U	5.0								
m,p-Xylene	U	2.5								
Methyl acetate	U	10								
Methyl tert-butyl ether	U	5.0								
Methylcyclohexane	U	10								
Methylene chloride	0.84	5.0								J
o-Xylene	U	2.5								
Styrene	U	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

Tetrachloroethene	U	5.0					
Toluene	U	5.0					
trans-1,2-Dichloroethene	U	5.0					
trans-1,3-Dichloropropene	U	10					
Trichloroethene	U	5.0					
Trichlorofluoromethane	U	5.0					
Vinyl chloride	U	5.0					
Xylenes, Total	U	5.0					
Surr: 1,2-Dichloroethane-d4	*18.11*	0	*20*	0	*90.6*	*70-120*	0
Surr: 4-Bromofluorobenzene	*19.39*	0	*20*	0	*97*	*75-120*	0
Surr: Dibromofluoromethane	*19.31*	0	*20*	0	*96.6*	*85-115*	0
Surr: Toluene-d8	*19.9*	0	*20*	0	*99.5*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

LCS	Sample ID: **VLCSS2-130328-R118032**				Units: **µg/Kg**			Analysis Date: **3/28/2013 11:37 AM**			
Client ID:		Run ID: **VMS7_130328A**			SeqNo: **2254238**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.09	5.0	20	0	100	70-135	0			
1,1,2,2-Tetrachloroethane	18.85	5.0	20	0	94.2	55-130	0			
1,1,2-Trichloroethane	19.2	5.0	20	0	96	60-125	0			
1,1-Dichloroethane	20.46	5.0	20	0	102	75-125	0			
1,1-Dichloroethene	22.04	5.0	20	0	110	65-135	0			
1,2,4-Trichlorobenzene	21.24	5.0	20	0	106	65-130	0			
1,2-Dibromo-3-chloropropane	20.78	5.0	20	0	104	40-135	0			
1,2-Dibromoethane	20.17	5.0	20	0	101	70-125	0			
1,2-Dichlorobenzene	20.05	5.0	20	0	100	75-120	0			
1,2-Dichloroethane	21.09	5.0	20	0	105	70-135	0			
1,2-Dichloropropane	20.41	5.0	20	0	102	70-120	0			
1,3-Dichlorobenzene	20.15	5.0	20	0	101	70-125	0			
1,4-Dichlorobenzene	20.49	5.0	20	0	102	70-125	0			
2-Butanone	19.87	10	20	0	99.4	30-160	0			
2-Hexanone	22.49	5.0	20	0	112	45-145	0			
4-Methyl-2-pentanone	32.44	5.0	20	0	162	45-145	0			S
Acetone	22.24	10	20	0	111	20-160	0			
Benzene	20.82	5.0	20	0	104	75-125	0			
Bromodichloromethane	21.5	5.0	20	0	108	70-130	0			
Bromoform	19.97	5.0	20	0	99.8	55-135	0			
Bromomethane	16.49	10	20	0	82.4	30-160	0			
Carbon disulfide	24.38	5.0	20	0	122	45-160	0			
Carbon tetrachloride	22.7	5.0	20	0	114	65-135	0			
Chlorobenzene	20.17	5.0	20	0	101	75-125	0			
Chloroethane	22.32	5.0	20	0	112	40-155	0			
Chloroform	21.11	5.0	20	0	106	70-125	0			
Chloromethane	20.77	10	20	0	104	50-130	0			
cis-1,2-Dichloroethene	22.54	5.0	20	0	113	65-125	0			
cis-1,3-Dichloropropene	19.85	5.0	20	0	99.2	70-125	0			
Dibromochloromethane	20.23	5.0	20	0	101	65-135	0			
Dichlorodifluoromethane	18.92	10	20	0	94.6	35-135	0			
Ethylbenzene	20.63	5.0	20	0	103	75-125	0			
Isopropylbenzene	19.54	5.0	20	0	97.7	75-130	0			
m,p-Xylene	40.31	2.5	40	0	101	80-125	0			
Methyl tert-butyl ether	27.46	5.0	20	0	137	75-125	0			S
Methylene chloride	23.57	5.0	20	0	118	55-140	0			
o-Xylene	20.02	2.5	20	0	100	75-125	0			
Styrene	20.15	5.0	20	0	101	75-125	0			
Tetrachloroethene	20.05	5.0	20	0	100	65-140	0			
Toluene	20.5	5.0	20	0	102	70-125	0			
trans-1,2-Dichloroethene	22.34	5.0	20	0	112	65-135	0			
trans-1,3-Dichloropropene	21.66	10	20	0	108	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	19.29	5.0	20	0	96.4	75-125	0
Trichlorofluoromethane	20.61	5.0	20	0	103	25-185	0
Vinyl chloride	21.23	5.0	20	0	106	60-125	0
Xylenes, Total	60.33	5.0	60	0	101	75-125	0
Surr: 1,2-Dichloroethane-d4	*20.83*	0	*20*	0	*104*	*70-120*	0
Surr: 4-Bromofluorobenzene	*18.69*	0	*20*	0	*93.4*	*75-120*	0
Surr: Dibromofluoromethane	*20.64*	0	*20*	0	*103*	*85-115*	0
Surr: Toluene-d8	*20.05*	0	*20*	0	*100*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

MS Sample ID: **1303834-01A MS** Units: **µg/Kg** Analysis Date: **3/28/2013 09:38 PM**
Client ID: **SB-1 (6-8')** Run ID: **VMS7_130328A** SeqNo: **2254272** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	15.84	5.0	20	0	79.2	70-135	0			
1,1,2,2-Tetrachloroethane	16.92	5.0	20	0	84.6	55-130	0			
1,1,2-Trichloroethane	15.71	5.0	20	0	78.6	60-125	0			
1,1-Dichloroethane	17.59	5.0	20	0	88	75-125	0			
1,1-Dichloroethene	19.9	5.0	20	0	99.5	65-135	0			
1,2,4-Trichlorobenzene	13.86	5.0	20	0	69.3	65-130	0			
1,2-Dibromo-3-chloropropane	15.84	5.0	20	0	79.2	40-135	0			
1,2-Dibromoethane	16.59	5.0	20	0	83	70-125	0			
1,2-Dichlorobenzene	15.56	5.0	20	0	77.8	75-120	0			
1,2-Dichloroethane	14.55	5.0	20	0	72.8	70-135	0			
1,2-Dichloropropane	16.21	5.0	20	0	81	70-120	0			
1,3-Dichlorobenzene	15.71	5.0	20	0	78.6	70-125	0			
1,4-Dichlorobenzene	15.25	5.0	20	0	76.2	70-125	0			
2-Butanone	13.27	10	20	1.103	60.8	30-160	0			
2-Hexanone	18.18	5.0	20	0	90.9	45-145	0			
4-Methyl-2-pentanone	23.37	5.0	20	0	117	45-145	0			
Acetone	19.51	10	20	13.12	31.9	20-160	0			
Benzene	16	5.0	20	0	80	75-125	0			
Bromodichloromethane	15.5	5.0	20	0	77.5	70-130	0			
Bromoform	16.66	5.0	20	0	83.3	55-135	0			
Bromomethane	9.79	10	20	0	49	30-160	0			J
Carbon disulfide	21.31	5.0	20	0.5611	104	45-160	0			
Carbon tetrachloride	17.54	5.0	20	0	87.7	65-135	0			
Chlorobenzene	16.99	5.0	20	0	85	75-125	0			
Chloroethane	20.94	5.0	20	0	105	40-155	0			
Chloroform	15.72	5.0	20	0.485	76.2	70-125	0			
Chloromethane	18.03	10	20	0	90.2	50-130	0			
cis-1,2-Dichloroethene	15.88	5.0	20	0	79.4	65-125	0			
cis-1,3-Dichloropropene	14.07	5.0	20	0	70.4	70-125	0			
Dibromochloromethane	16.89	5.0	20	0	84.4	65-135	0			
Dichlorodifluoromethane	17.44	10	20	0	87.2	35-135	0			
Ethylbenzene	17.56	5.0	20	0	87.8	75-125	0			
Isopropylbenzene	16.78	5.0	20	0	83.9	75-130	0			
m,p-Xylene	33.58	2.5	40	0	84	80-125	0			
Methyl tert-butyl ether	19.07	5.0	20	0	95.4	75-125	0			
Methylene chloride	19.76	5.0	20	0.7893	94.9	55-140	0			
o-Xylene	16.24	2.5	20	0	81.2	75-125	0			
Styrene	15.9	5.0	20	0	79.5	75-125	0			
Tetrachloroethene	17.94	5.0	20	0	89.7	65-140	0			
Toluene	16.95	5.0	20	0.1236	84.1	70-125	0			
trans-1,2-Dichloroethene	19.63	5.0	20	0	98.2	65-135	0			
trans-1,3-Dichloropropene	14.32	10	20	0	71.6	65-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	16.84	5.0	20	0	84.2	75-125	0
Trichlorofluoromethane	18.89	5.0	20	0	94.4	25-185	0
Vinyl chloride	19.91	5.0	20	0	99.6	60-125	0
Xylenes, Total	49.82	5.0	60	0	83	75-125	0
Surr: 1,2-Dichloroethane-d4	*18.57*	0	*20*	0	*92.8*	*70-120*	0
Surr: 4-Bromofluorobenzene	*21.09*	0	*20*	0	*105*	*75-120*	0
Surr: Dibromofluoromethane	*20*	0	*20*	0	*100*	*85-115*	0
Surr: Toluene-d8	*19.77*	0	*20*	0	*98.8*	*85-120*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

MSD Sample ID: **1303834-01A MSD** Units: **µg/Kg** Analysis Date: **3/28/2013 10:08 PM**
Client ID: **SB-1 (6-8')** Run ID: **VMS7_130328A** SeqNo: **2254273** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	15.32	5.0	20	0	76.6	70-135	15.84	3.34	30	
1,1,2,2-Tetrachloroethane	15.07	5.0	20	0	75.4	55-130	16.92	11.6	30	
1,1,2-Trichloroethane	14.37	5.0	20	0	71.8	60-125	15.71	8.91	30	
1,1-Dichloroethane	16.04	5.0	20	0	80.2	75-125	17.59	9.22	30	
1,1-Dichloroethene	18.42	5.0	20	0	92.1	65-135	19.9	7.72	30	
1,2,4-Trichlorobenzene	13.44	5.0	20	0	67.2	65-130	13.86	3.08	30	
1,2-Dibromo-3-chloropropane	16.32	5.0	20	0	81.6	40-135	15.84	2.99	30	
1,2-Dibromoethane	14.88	5.0	20	0	74.4	70-125	16.59	10.9	30	
1,2-Dichlorobenzene	14.57	5.0	20	0	72.8	75-120	15.56	6.57	30	S
1,2-Dichloroethane	14.2	5.0	20	0	71	70-135	14.55	2.43	30	
1,2-Dichloropropane	15.32	5.0	20	0	76.6	70-120	16.21	5.65	30	
1,3-Dichlorobenzene	14.5	5.0	20	0	72.5	70-125	15.71	8.01	30	
1,4-Dichlorobenzene	14.43	5.0	20	0	72.2	70-125	15.25	5.53	30	
2-Butanone	12.34	10	20	1.103	56.2	30-160	13.27	7.26	30	
2-Hexanone	14.83	5.0	20	0	74.2	45-145	18.18	20.3	30	
4-Methyl-2-pentanone	20.77	5.0	20	0	104	45-145	23.37	11.8	30	
Acetone	17.02	10	20	13.12	19.5	20-160	19.51	13.6	30	S
Benzene	15.66	5.0	20	0	78.3	75-125	16	2.15	30	
Bromodichloromethane	14.82	5.0	20	0	74.1	70-130	15.5	4.49	30	
Bromoform	15.96	5.0	20	0	79.8	55-135	16.66	4.29	30	
Bromomethane	13.72	10	20	0	68.6	30-160	9.79	33.4	30	R
Carbon disulfide	20.55	5.0	20	0.5611	99.9	45-160	21.31	3.63	30	
Carbon tetrachloride	17.49	5.0	20	0	87.4	65-135	17.54	0.285	30	
Chlorobenzene	15.11	5.0	20	0	75.6	75-125	16.99	11.7	30	
Chloroethane	18.39	5.0	20	0	92	40-155	20.94	13	30	
Chloroform	14.37	5.0	20	0.485	69.4	70-125	15.72	8.97	30	S
Chloromethane	15.73	10	20	0	78.6	50-130	18.03	13.6	30	
cis-1,2-Dichloroethene	14.62	5.0	20	0	73.1	65-125	15.88	8.26	30	
cis-1,3-Dichloropropene	13.48	5.0	20	0	67.4	70-125	14.07	4.28	30	S
Dibromochloromethane	15.01	5.0	20	0	75	65-135	16.89	11.8	30	
Dichlorodifluoromethane	16.88	10	20	0	84.4	35-135	17.44	3.26	30	
Ethylbenzene	16.66	5.0	20	0	83.3	75-125	17.56	5.26	30	
Isopropylbenzene	15.72	5.0	20	0	78.6	75-130	16.78	6.52	30	
m,p-Xylene	31.98	2.5	40	0	80	80-125	33.58	4.88	30	S
Methyl tert-butyl ether	18.91	5.0	20	0	94.6	75-125	19.07	0.843	30	
Methylene chloride	18.55	5.0	20	0.7893	88.8	55-140	19.76	6.32	30	
o-Xylene	14.78	2.5	20	0	73.9	75-125	16.24	9.41	30	S
Styrene	14.72	5.0	20	0	73.6	75-125	15.9	7.71	30	S
Tetrachloroethene	17.16	5.0	20	0	85.8	65-140	17.94	4.44	30	
Toluene	15.97	5.0	20	0.1236	79.2	70-125	16.95	5.95	30	
trans-1,2-Dichloroethene	18.59	5.0	20	0	93	65-135	19.63	5.44	30	
trans-1,3-Dichloropropene	12.94	10	20	0	64.7	65-125	14.32	10.1	30	S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118032** Instrument ID **VMS7** Method: **SW8260**

Trichloroethene	16.32	5.0	20	0	81.6	75-125	16.84	3.14	30
Trichlorofluoromethane	17.33	5.0	20	0	86.6	25-185	18.89	8.61	30
Vinyl chloride	19.28	5.0	20	0	96.4	60-125	19.91	3.22	30
Xylenes, Total	46.76	5.0	60	0	77.9	75-125	49.82	6.34	30
Surr: 1,2-Dichloroethane-d4	*19.24*	0	*20*	0	*96.2*	*70-120*	18.57	*3.54*	*30*
Surr: 4-Bromofluorobenzene	*19.48*	0	*20*	0	*97.4*	*75-120*	21.09	*7.94*	*30*
Surr: Dibromofluoromethane	*21.14*	0	*20*	0	*106*	*85-115*	20	*5.54*	*30*
Surr: Toluene-d8	*19.35*	0	*20*	0	*96.8*	*85-120*	19.77	*2.15*	*30*

The following samples were analyzed in this batch:

1303834-01A	1303834-02A	1303834-03A
1303834-04A	1303834-06A	1303834-07A
1303834-08A	1303834-09A	1303834-10A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 1303834
Project: Municipal Farms-MCI 3/22/13

QC BATCH REPORT

Batch ID: **R118034** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-R118034** Units: **% of sample** Analysis Date: **3/27/2013 03:35 PM**
Client ID: Run ID: **MOIST_130327B** SeqNo: **2252193** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.050								

LCS Sample ID: **LCS-R118034** Units: **% of sample** Analysis Date: **3/27/2013 03:35 PM**
Client ID: Run ID: **MOIST_130327B** SeqNo: **2252189** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1303834-01CDUP** Units: **% of sample** Analysis Date: **3/27/2013 03:35 PM**
Client ID: **SB-1 (6-8')** Run ID: **MOIST_130327B** SeqNo: **2252176** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	15.83	0.050	0	0	0	0-0	15.83	0	20	

DUP Sample ID: **1303834-10CDUP** Units: **% of sample** Analysis Date: **3/27/2013 03:35 PM**
Client ID: **SB-6 (11-13')** Run ID: **MOIST_130327B** SeqNo: **2252185** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	19.33	0.050	0	0	0	0-0	18.98	1.83	20	

The following samples were analyzed in this batch:

1303834-01C	1303834-02C	1303834-03C
1303834-04C	1303834-06C	1303834-07C
1303834-08C	1303834-09C	1303834-10C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

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Chain of Custody Form

Page 1 of 3

COC ID: 69953

ALS Project Manager: | ALS Work Order #: 1303834

Customer Information		Project Information	
Purchase Order		Project Name	Municipal Farms-MCI
Work Order		Project Number	9004.06.0002.015.022
Company Name	Tetra Tech	Bill To Company	Tetra Tech
Send Report To	Emily Fisher	Invoice Attn	Emily Fisher
Address	415 Oak Street	Address	415 Oak Street
City/State/Zip	Kansas City, MO 64106	City/State/Zip	Kansas City, MO 64106
Phone	(816) 412-1755	Phone	(816) 412-1755
Fax	(816) 410-1748	Fax	(816) 410-1748
e-Mail Address		e-Mail Address	

Parameter/Method Request for Analysis

A	TCL Volatiles with GRO (C6-C10)
B	TCL SVOCs with DRO (C10-C21), ORO (C21-C35)
C	Full List Herbicides
D	TCL Pesticides
E	RCRA 8 Metals-Dissolved
F	RCRA 8 Metals-Total
G	Grain Size ASTM D422-No Hydrometer
H	% Moisture
I	~~TSS~~ TDS 160.1
J	Project Specific MS/MSD on this sample point

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SB-1 (6-8')	3-22-13	0845	Soil		6	X	X				X					
2	SB-1 (10-12')	3-22-13	0835	Soil		6	X	X				X					
3	SB-2 (5-7')	3-22-13	0935	Soil		6	X	X				X					
4	SB-2 (7-9')	3-22-13	0945	Soil		6	X	X				X					
5	SB-3 (7-9')	3-22-13	1015	Soil		1							X				
6	SB-4 (6-8')	3-22-13	1050	Soil		6	X	X				X					
7	SB-4 (8-10')	3-22-13	1100	Soil		6	X	X				X					
8	SB-5(3-5')	3-22-13	1140	Soil		6	X	X				X					
9	SB-6 (6-8')	3-22-13	1215	Soil		6	X	X				X					
10	SB-6 (11-13')	3-22-13	1220	Soil		6	X	X				X					

Sampler(s) Please Print & Sign: Danny O'Connor

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☒ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 3-25-13	Time: 1000	Received by: FEDEx
Relinquished by: FEDEx	Date: 3/26/13	Time: 0930	Received by (Laboratory):
Logged by (Laboratory): KW	Date: 3/26/13	Time: 1215	Checked by (Laboratory):

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Notes:

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP CheckList
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

COC ID: 69955

ALS Project Manager:

ALS Work Order #: 1303834

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Municipal Farms-MCI	A	TCL Volatiles with GRO (C6-C10)
Work Order		Project Number	9004.06.0002.015.022	B	TCL SVOCs with DRO (C10-C21), ORO (C21-C35)
Company Name	Tetra Tech	Bill To Company	Tetra Tech	C	Full List Herbicides
Send Report To	Emily Fisher	Invoice Attn	Emily Fisher	D	TCL Pesticides
Address	415 Oak Street	Address	415 Oak Street	E	RCRA 8 Metals-Dissolved
				F	RCRA 8 Metals-Total
City/State/Zip	Kansas City, MO 64106	City/State/Zip	Kansas City, MO 64106	G	Grain Size ASTM D422-No Hydrometer
Phone	(816) 412-1755	Phone	(816) 412-1755	H	% Moisture
Fax	(816) 410-1748	Fax	(816) 410-1748	I	~~TOC~~ TDS 160.1
e-Mail Address		e-Mail Address		J	Project Specific MS/MSD on this sample point

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
11	Field Blank	3-22-13	1750	Liquid		8	X	X	X	X		X					
12	Rinsate Blank	3-22-13	1800	Liquid		8	X	X	X	X		X					X
3																	
4	Trip Blank - Soil	3/22/13															
5	Trip Blank Water	3/22/13															
6		Danny O'Connor															
7		3-25-13															
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Danny O'Connor

Shipment Method: FedEx

Required Turnaround Time: (Check Box) [X] Std 10 WK Days [ ] 5 WK Days [ ] Other [ ] 2 WK Days [ ] 24 Hour

Results Due Date:

Relinquished by:		Date: 3-25-13	Time: 1000	Received by: FEDEX
Relinquished by: FEDEX		Date: 3/26/13	Time: 0930	Received by (Laboratory):
Logged by (Laboratory): KR		Date: 3/26/13	Time: 1215	Checked by (Laboratory):

Notes:

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
[ ] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW846/CLP
[ ] Other
[ ] TRRP CheckList
[ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **TETRATECH - MO** Date/Time Received: **26-Mar-13 09:30**

Work Order: **1303834** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 26-Mar-13 (Date) Reviewed by: Ann Preston (eSignature) 26-Mar-13 (Date)

Matrices: Soil & Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	4.8 - 9.0 C		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	3/26/2013 12:50:22 PM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ORIGIN ID: MKCA (816) 412-1741
DANNY O'CONNOR
TETRA TECH
415 OAK STREET

KANSAS CITY, MO 64106
UNITED STATES US

SHIP DATE: 25MAR13
ACTWGT: 30.0 LB MAN
CAD: 468195/CAFE2608

BILL SENDER

TO RECEIVING DEPT.
ALS LABORATORY GROUP
3352 128TH AVE

HOLLAND MI 494249263
(616) 399-6070
REF: 103DX9004.06.0002.015.022

FedEx Express

4 of 4
MPS# 0263 4465 1406 5386
Mstr# 4465 1406 5353

TUE - 26 MAR 10:30A
PRIORITY OVERNIGHT
0201

NA GRRA

49424
MI-US GRR

Part # 156148-434 RIT2 04/10

ORIGIN ID: MKCA (816) 412-1741
DANNY O'CONNOR
TETRA TECH
415 OAK STREET

KANSAS CITY, MO 64106
UNITED STATES US

SHIP DATE: 25MAR13
ACTWGT: 30.0 LB MAN
CAD: 468195/CAFE2608

BILL SENDER

TO RECEIVING DEPT.
ALS LABORATORY GROUP
3352 128TH AVE

HOLLAND MI 494249263
(616) 399-6070
REF: 103DX9004.06.0002.015.022

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3 of 4
MPS# 0263 4465 1406 5375
Mstr# 4465 1406 5353

TUE - 26 MAR 10:30A
PRIORITY OVERNIGHT
0201

NA GRRA

49424
MI-US GRR

Part # 156148-434 RIT2 04/10

× 7.6
4.8
×× 9.0
5.0

ALS Environmental
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Holland, Michigan 49424
Tel. +1 616 399 6070
Fax. +1 616 399 6185

CUSTODY SEAL
Date: 3.25.13 Time: 1000
Name: Danny O'Connor
Company: TT

Seal Broken By:
Date:

ORIGIN ID: MKCA (816) 412-1741
DANNY O'CONNOR
TETRA TECH
415 OAK STREET

KANSAS CITY, MO 64106
UNITED STATES US

SHIP DATE: 25MAR13
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CUSTODY SEAL

Date: 3-25-13 Time: 1000
Name: Danny O Conner
Company: TT

Seal Broken By:

Date:

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CUSTODY SEAL

Date: 3.25.13 Time: 1000
Name: Danny O'Connor
Company: TE

Seal Broken By:

Date:

DATA VERIFICATION REPORT

Prepared by: **Harry Ellis**

Date: **12 April 2013**

Site Name/Job Number: **Men's Correctional Institute, Municipal Farm, KCMO**

Laboratory: **ALS Environmental/Holland, Michigan**

Data Package or SDG Number: **1303495**

Sample Designation/Name (ID): **SS-1, SS-2, SS-3, SS-4, SS-5, SS-6, and Trip Blank**

Matrices: **Soil**

Analytical Parameters: **VOC, GRO, SVOC, DRO, ORO, Pesticides, Herbicides, and Metals**

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	X			
Data package completeness	X			Summary package, as requested
Sample preservation, storage, and holding times	X			
Method and field blank contamination	X			Low concentration ("J" flagged) of chloroform and toluene in the soil samples are artifacts and should be flagged nondetected ("U")
Surrogate spikes	X			Recoveries not reliably measured for dilutions ≥10-fold. But DRO and ORO in sample SS-1 and VOC in sample SS-2 estimated ("J" or "UJ") due to matrix interference shown by surrogates.
Matrix Spikes/Matrix Spike Duplicates (MS/MSD)	X			Irregularities in samples from other sites irrelevant. But GRO in SS-1 gave irregular recoveries so qualify as estimated ("J")
Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)	X			A few excess recoveries for nondetected VOC, SVOC. No qualifications applied.
Other			X	

Summary Some results were below the calibration range; the laboratory properly qualified these as estimated (flagged "J"). For analytes above undiluted calibration range, the laboratory re-analyzed at a dilution and reported the latter, so no further qualifications are required.

All results can be used, as qualified, for any purpose.

DATA VERIFICATION REPORT

Prepared by:	**Harry Ellis**
Date:	**12 April 2013**
Site Name/Job Number:	**Men's Correctional Institute, Municipal Farm, KCMO**
Laboratory:	**ALS Environmental/Holland, Michigan**
Data Package or SDG Number:	**1303834**
Sample Designation/Name (ID):	**SB-1 (6-8'), SB-1 (10-12'), SB-2 (5-7'), SB-2 (7-9'), SB-3 (7-9'), SB-4 (6-8'), SB-4 (8-10'), SB-5 (3-5'), SB-6 (6-8'), SB-6 (11-13'), Field Blank, Rinsate Blank, Trip Blank (soil), and Trip Blank (water)**
Matrices:	**Soil (and aqueous quality control samples)**
Analytical Parameters:	**VOC, GRO, SVOC, DRO, ORO, Pesticides, Herbicides, and Metals**

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	X			
Data package completeness	X			Summary Package, as requested
Sample preservation, storage, and holding times	X			
Method and field blank contamination	X			Low concentrations ("J" flagged) of chloroform and methylene chloride in soil samples (including the Trip Blank [soil]), of phthalates in the Field Blank and Rinsate Blank, and of selenium in the Field Blank are artifacts and should be flagged nondetected ("U")
Surrogate spikes				Interactions with trisodium phosphate preservative caused low recoveries of one surrogate in some samples. No qualifications were applied.
Matrix Spikes/Matrix Spike Duplicates (MS/MSD)				Irregularities in samples from other sites are irrelevant. But dalapon in the rinsate blank is qualified as estimated (flagged "UJ") due to very low recoveries.
Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)				A few excess recoveries for nondetected VOC, SVOC. No qualifications applied.

Other			X	
Summary Some results were below the calibration range; the laboratory properly qualified these as estimated (flagged "J"). For analytes above undiluted calibration range, the laboratory re-analyzed at a dilution and reported the latter, so no further qualifications are required. All results can be used, as qualified, for any purpose.				

APPENDIX E

TABLES

TABLE E-1

SUMMARY OF SOIL SAMPLES COLLECTED DURING PHASE II TBA ACTIVITIES
MUNICIPAL FARMS – MCI, JACKSON COUNTY, MISSOURI

Sample Number	Sample Description	Sample Analyses
Surface Soil Samples		
SS-1	North of the Municipal Garden and west of the former Men's Reformatory	VOCs (TPH-GRO), SVOCs (TPH-DRO & -ORO), RCRA metals, pesticides, and herbicides
SS-2	West of the former Men's Reformatory, along the northern boundary of the subject property	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals, pesticides, and herbicides
SS-3	East of the former Men's Reformatory	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals, pesticides, and herbicides
SS-4	At the radio tower in the east portion of the subject property	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SS-5	In a drainage area along the southeast border of the subject property	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals, pesticides, and herbicides
SS-6	At a low point along the southeast border of the subject property	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals, pesticides, and herbicides
Subsurface Soil Samples		
SB-1 (6-8')	At a clearing on the west side of the subject property	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-1 (10-12')		VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-2 (5-7')	Where the former MCI used to stand	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-2 (7-9')		VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-3 (7-9')	Where the former MCI used to stand and east of SB-2	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-4 (6-8')	East of the former MCI and the Municipal Garden and south of the former Men's Reformatory	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-4 (8-10')		VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-5 (3-5')	Where the former Men's Reformatory used to stand	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-6 (6-8')	Along the northern boundary of the subject property and the northeastern boundary of the former Men's Reformatory	VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals
SB-6 (11-13')		VOCs (TPH-GRO), SVOCs(TPH-DRO & -ORO), RCRA metals

Notes:

DRO	Diesel-range organics	TPH	Total petroleum hydrocarbons
GRO	Gasoline-range organics	VOC	Volatile organic compound
MCI	Municipal Correctional Institute	ORO	Oil-range organics
RCRA	Resource Conservation and Recovery Act	SVOC	Semivolatile organic compound
'	Feet		

TABLE E-2

SUMMARY OF VOC ANALYSIS OF SURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

Analyte	Screening Values (mg/kg)				Sample ID (mg/kg)					
	EPA RSL Residential	EPA RSL Industrial	MRBCA Tier 1 Clayey Soil Residential	MRBCA Tier 1 Clayey Soil Non-residential	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6
2-Butanone	-	-	-	-	0.0084 J	0.012	0.022	0.024	0.013	0.018
Acetone	61,000	635,000	61,500	807,000	0.087	0.11	0.075	0.13	0.097	U
Benzene	1.1	5.4	177	763	U	0.00081 J	U	U	U	U
Carbon disulfide	820	3700	7,290	95,600	0.00079 J	0.003 J	U	U	0.00085 J	U
Chloroform	0.29	1.5	180	678	0.0006 J	0.00073	0.00062 J	0.00079 J	0.00063 J	0.00071 J
Cyclohexane	7,000	29,000	-	-	U	0.0019 J	U	U	U	U
Ethylbenzene	5.4	27	7,450	97,500	U	0.0003 J	U	U	U	U
m,p-Xylene	590	2,500	-	-	U	0.00048 J	U	U	U	U
Methylcyclohexane	-	-	-	-	U	0.0022 J	U	U	U	U
Toluene	5,000	45,000	6,210	81,100	0.0018 J	0.0012 J	0.00027 J	0.0006 J	0.00035 J	U

Notes

EPA	U. S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
RSL	Regional screening level
U	Analyte not detected above method detection limit
VOC	Volatile organic compound

TABLE E-3

SUMMARY OF SVOC ANALYSIS OF SURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

	Screening Values (mg/kg)				Sample ID (mg/kg)					
Analyte	**EPA RSL Residential**	**EPA RSL Industrial**	**MRBCA Tier 1 Clayey Soil Residential**	**MRBCA Tier 1 Clayey Soil Non-Residential**	**SS-1**	**SS-2**	**SS-3**	**SS-4**	**SS-5**	**SS-6**
TPH-DRO	-	-	140,000	1,410,000	31	40	23	25	92	32
TPH-ORO	-	-	124,000	1,250,000	170	110	89	76	390	70
1,1'-Biphenyl	51	210	3,420	44,900	U	U	U	U	0.096 J	U
2-Methylnapthalene	230	2,200	273	3,590	0.04 J	0.11	U	U	0.24	0.15
4-Methylphenol	-	-	274	2,840	0.13 J	U	U	U	0.22	U
Acenaphthene	3,400	33,000	3,260	30,700	0.91	U	0.043	U	3.9	U
Acenaphthylene	-	-	4,390	54,100	0.087	U	U	U	0.003 J	U
Anthracene	17,000	170,000	16,400	154,000	0.29	U	0.11	U	5.9	0.033 J
Benzaldehyde	7,800	100,000	-	-	U	0.041 J	U	U	U	U
Benzo(a)anthracene	0.15	2.1	6.2	21.1	**0.63**	0.052	**0.36**	0.034 J	**12**	0.14
Benzo(a)pyrene	0.015	0.21	0.62	2.11	**0.54**	**0.034 J**	**0.28**	U	**9.7**	**0.13**
Benzo(b)fluoranthene	0.15	2.1	6.2	21.1	**0.83**	0.084	**0.46**	0.08	**12**	**0.24**
Benzo(g,h,i)perylene	-	-	1,720	16,500	0.19	U	0.087	U	2.2	0.055
Benzo(k)fluoranthene	1.5	21	62	211	0.44	0.034 J	0.21	0.03 J	**7.1**	0.1
Bis(2-ethylhexyl)phthalate	35	120	347	1230	U	0.031 J	U	U	U	U
Butyl Benzene Phthalate	260	910	12,200	123,000	0.13 J	0.043 J	0.052 J	U	0.094 J	0.11 J
Chrysene	15	210	608	2040	0.87	0.071	0.36	0.049	12	0.16
Dibenzo(a,h)anthracene	0.015	0.21	0.62	2.11	0.057	U	U	U	1.3	U
Dibenzofuran	78	1,000	142	1790	0.081 J	0.06 J	U	U	1.7	0.059 J
Fluoranthene	2,300	22,000	2,280	21,900	1.1	0.098	0.84	0.085	31	0.31
Fluorene	2,300	22,000	2,240	21,300	0.079	U	0.03 J	U	U	U
Indeno(1,2,3-cd)pyrene	0.15	2.1	3.77	12.8	**0.19**	U	0.095	U	**2.5**	0.056
Naphthalene	3.6	18	36.3	119	0.026 J	0.049	U	U	0.24	0.076
Phenanthrene	-	-	2,250	28,200	0.89	0.16	0.47	U	24	0.26
Pyrene	1,700	17,000	1,710	16,400	1.5	0.084	0.67	0.066	27	0.26

Notes

Bold value indicates result is greater than a benchmark value.

DRO	Diesel-range organics
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
ORO	Oil-range organics
RSL	Regional screening level
TPH	Total petroleum hydrocarbons
U	Analyte not detected above method detection limit

TABLE E-4

SUMMARY OF METALS ANALYSIS OF SURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

Analyte	Screening Values (mg/kg)					Sample ID (mg/kg)					
	EPA RSL Residential	EPA RSL Industrial	MRBCA Tier 1 Clayey Soil Residential	MRBCA Tier 1 Clayey Soil Non-Residential	USGS Background Concentrations	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6
Mercury	-	-	46.3	630	0.016	0.12	0.61	0.05	0.047	3.4	0.22
Arsenic	0.39	1.6	3.89	15.9	16.603	**6.3**	**8.9**	**8.2**	**8.1**	**5.7**	**6.2**
Barium	15,000	190,000	15,000	181,000	-	200	220	220	230	160	180
Cadmium	70	800	16.8	74.8	-	1.3	2.6	0.36	0.38	1.2	3.9
Chromium	120,000	1,500,000	74,600	472,000	-	13	24	13	14	9.3	12
Lead	400	800	260	660	40.96	150	220	42	26	94	180
Selenium	390	5,100	380	4780	0.499	1.0	1.4	1.3	1.5	0.81	1.2
Silver	390	5,100	374	4480	-	0.073 J	0.28 J	0.044 J	0.045 J	0.068 J	0.21 J

Notes

Bold value indicates result is greater than a benchmark value.

EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
REC	Recognized environmental condition
RSL	Regional screening level
U	Analyte not detected above method detection limit
USGS	United States Geological Survey

TABLE E-5

SUMMARY OF PESTICIDE ANALYSIS OF SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

Analyte	Screening Values (mg/kg)				Sample ID (mg/kg)				
	EPA RSL Residential	EPA RSL Industrial	MRBCA Tier 1 Clayey Soil Residential	MRBCA Tier 1 Clayey Soil Non-Residential	SS-1	SS-2	SS-3	SS-5	SS-6
4,4'-DDD	2	7.2	14.3	71.8	0.009 J	0.005 J	U	0.011 J	U
4,4'-DDE	-	-	20.2	50.7	0.047	0.038	U	0.055	0.0053 J
4,4'-DDT	1.7	7	14.3	50.7	0.022	0.017	0.007 J	0.019	0.0067 J

Notes:

DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
REC	Recognized environmental condition
RSL	Regional screening level
U	Analyte not detected above method detection limit

TABLE E-6

SUMMARY OF VOC ANALYSIS OF SUBSURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

	Screening Values (mg/kg)				Sample ID (mg/kg)								
Analyte	**EPA RSL Residential**	**EPA RSL Industrial**	**MRBCA Tier 1 Clayey Soil Residential**	**MRBCA Tier 1 Clayey Soil Non-residential**	**SB-1 (6-8')**	**SB-1 (10-12')**	**SB-2 (5-7')**	**SB-2 (7-9')**	**SB-4 (6-8')**	**SB-4 (8-10')**	**SB-5 (3-5')**	**SB-6 (6-8')**	**SB-6 (11-13')**
2-Butanone	-	-	-	-	0.013 J	U	0.0014 J	0.0027 J	0.0053 J	U	0.0027 J	0.0037 J	0.0041 J
Acetone	61,000	635,000	61,500	807,000	0.016	0.0033 J	0.02	0.026	0.025	0.0046 J	0.028	0.03	0.02 J
Carbon disulfide	820	3700	7,290	95,600	0.00067 J	0.00051 J	0.0005 J	0.00047 J	0.00068 J	0.00034 J	0.00042 J	0.00053 J	0.00043 J
Chloroform	0.29	1.5	180	678	0.00058 J	0.00052 J	0.00056 J	0.0007 J	0.00045 J	0.00043 J	0.00051 J	0.00066 J	0.00056 J
Methylene chloride	56	960	842	3,700	0.00094 J	0.0008 J	0.00091 J	0.00094 J	0.00062 J	0.00066 J	0.00078 J	0.0011 J	0.00079 J

Notes

'	Feet
EPA	U. S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
RSL	Regional screening level
U	Analyte not detected above method detection limit
VOC	Volatile organic compound

TABLE E-7

SUMMARY OF SVOC ANALYSIS OF SUBSURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

	Screening Values (mg/kg)				Sample ID (mg/kg)								
Analyte	**EPA RSL Residential**	**EPA RSL Industrial**	**MRBCA Tier 1 Clayey Soil Residential**	**MRBCA Tier 1 Clayey Soil Non-Residential**	**SB-1 (6-8')**	**SB-1 (10-12')**	**SB-2 (5-7')**	**SB-2 (7-9')**	**SB-4 (6-8')**	**SB-4 (8-10')**	**SB-5 (3-5')**	**SB-6 (6-8')**	**SB-6 (11-13')**
TPH-ORO	-	-	124,000	1,250,000	17	10	18	21	18	19	51	18	100
2-Methylnapthalene	230	2,200	-	3,590	U	U	U	U	0.083 J	U	U	U	U
Acenaphthene	3,400	33,000	3,260	30,700	U	U	U	U	U	U	U	U	0.12 J
Acenaphthylene	-	-	4,390	54,100	U	U	U	U	U	U	U	U	0.15 J
Anthracene	17,000	170,000	16,400	154,000	U	U	U	U	U	U	U	U	0.36
Benzo(a)anthracene	0.15	2.1	6.2	21.1	U	U	U	U	U	U	**0.21**	0.049	**0.85**
Benzo(a)pyrene	0.015	0.21	0.62	2.11	U	U	U	U	U	U	**0.21**	**0.044**	**0.83**
Benzo(b)fluoranthene	0.15	2.1	6.2	21.1	U	U	U	U	U	U	**0.27**	0.06	**1.1**
Benzo(g,h,i)perylene	-	-	1,720	16,500	U	U	U	U	U	U	0.15 J	0.033 J	0.48
Benzo(k)fluoranthene	1.5	21	62	211	U	U	U	U	U	U	0.11 J	0.024 J	0.36
Chrysene	15	210	608	2040	U	U	U	U	U	U	0.23	0.054	0.87
Dibenzo(a,h)anthracene	0.015	0.21	0.62	2.11	U	U	U	U	U	U	U	U	0.14 J
Dibenzofuran	78	1,000	142	1790	U	U	U	U	U	U	U	U	0.11 J
Fluoranthene	2,300	22,000	2,280	21,900	U	U	U	0.023 J	U	0.021 J	0.44	0.11	2
Fluorene	2,300	22,000	2,240	21,300	U	U	U	U	U	U	U	U	0.19
Indeno(1,2,3-cd)pyrene	0.15	2.1	3.77	12.8	U	U	U	U	U	U	0.12 J	0.027 J	**0.43**
Naphthalene	3.6	18	36.3	119	U	U	U	U	0.047	U	U	U	U
Phenanthrene	-	-	2,250	28,200	U	U	U	U	U	U	0.29	0.062	1.5
Pyrene	1,700	17,000	1,710	16,400	U	U	U	U	U	U	0.36	0.085	U

Notes

Bold value indicates result is greater than a benchmark value.

'	Feet
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
ORO	Oil-range organics
RSL	Regional screening level
TPH	Total petroleum hydrocarbons
U	Analyte not detected above method detection limit

TABLE E-8

SUMMARY OF METALS ANALYSIS OF SUBSURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

	Screening Values (mg/kg)					Sample ID (mg/kg)								
Analyte	**EPA RSL Residential**	**EPA RSL Industrial**	**MRBCA Tier 1 Clayey Soil Residential**	**MRBCA Tier 1 Clayey Soil Non-Residential**	**USGS Background Concentrations**	**SB-1 (6-8')**	**SB-1 (10-12')**	**SB-2 (5-7')**	**SB-2 (7-9')**	**SB-4 (6-8')**	**SB-4 (8-10')**	**SB-5 (3-5')**	**SB-6 (6-8')**	**SB-6 (11-13')**
Mercury	-	-	46.3	630	0.016	0.039	0.03	0.049	0.051	0.034	0.033	0.077	0.047	0.042
Arsenic	0.39	1.6	3.89	15.9	16.603	**6.7**	**3.7**	**7.8**	**8.2**	**5.8**	**4.9**	**6.8**	**6.5**	**5.5**
Barium	15,000	190,000	15,000	181,000	-	150	380	250	260	150	220	340	300	250
Cadmium	70	800	16.8	74.8	-	0.47	0.32	0.29	0.28	0.23	0.26	0.29	0.27	0.33
Chromium	120,000	1,500,000	74,600	472,000	-	24	25	16	16	13	12	17	18	13
Lead	400	800	260	660	40.96	19	16	16	15	14	13	65	17	43
Selenium	390	5,100	380	4780	0.499	0.94	1	0.97	1.1	1.2	0.83	0.97	1.1	0.75
Silver	390	5,100	374	4480	-	0.045 J	0.045 J	0.03 J	0.028 J	0.03 J	0.022 J	0.031 J	0.033 J	0.032 J

Notes

Bold value indicates result is greater than a benchmark value.

'	Feet
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte detected below quantitation limit
MCI	Municipal Correctional Institute
mg/kg	Milligrams per kilogram
MRBCA	Missouri risk-based corrective action
RSL	Regional screening level
U	Analyte not detected above method detection limit
USGS	United States Geological Survey

TABLE E-9

CONSTITUENTS ABOVE BENCHMARKS IN SURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

Surface Soil	EPA RSL Residential	EPA RSL Industrial	MRBCA Tier 1 Clayey Soil Residential	MRBCA Tier 1 Clayey Soil Non-residential	USGS Background Concentrations (Metals Only)
SS-1					
SVOCs					
Benzo(a)anthracene	X				
Benzo(a)pyrene	X	X			
Benzo(b)fluoranthene	X				
Indeno(1,2,3-cd)pyrene	X				
Metals					
Arsenic	X	X	X		
SS-2					
SVOCs					
Benzo(a)pyrene	X				
Metals					
Arsenic	X	X	X		
SS-3					
SVOCs					
Benzo(a)anthracene	X				
Benzo(a)pyrene	X	X			
Benzo(b)fluoranthene	X				
Metals					
Arsenic	X	X	X		
SS-4					
Metals					
Arsenic	X	X	X		
SS-5					
SVOCs					
Benzo(a)anthracene	X	X	X		
Benzo(a)pyrene	X	X	X	X	
Benzo(b)fluoranthene	X	X	X		
Benzo(k)fluoranthene	X				
Indeno(1,2,3-cd)pyrene	X	X			
Metals					
Arsenic	X	X	X		
SS-6					
SVOCs					
Benzo(a)pyrene	X				
Benzo(b)fluoranthene	X				
Metals					
Arsenic	X	X	X		

Notes

EPA	U.S. Environmental Protection Agency	RSL	Regional screening level
MCI	Municipal Correctional Institute	SVOC	Semivolatile organic compound
mg/kg	Milligrams per kilogram	USGS	U.S. Geological Survey
MRBCA	Missouri risk-based corrective action		

TABLE E-10

CONSTITUENTS ABOVE BENCHMARKS IN SUBSURFACE SOIL SAMPLES
MUNICIPAL FARMS - MCI, JACKSON COUNTY, MISSOURI

Subsurface Soil	EPA RSL Residential	EPA RSL Industrial	MRBCA Tier 1 Clayey Soil Residential	MRBCA Tier 1 Clayey Soil Non-residential	USGS Background Concentrations (Metals Only)
SB-1 (6-8')					
Metals					
Arsenic	X	X	X		
SB-1 (10-12')					
Metals					
Arsenic	X	X			
SB-2 (5-7')					
Metals					
Arsenic	X	X	X		
SB-2 (7-9')					
Metals					
Arsenic	X	X	X		
SB-4 (6-8')					
Metals					
Arsenic	X	X	X		
SB-4 (8-10')					
Metals					
Arsenic	X	X	X		
SB-5 (3-5')					
SVOCs					
Benzo(a)anthracene	X				
Benzo(a)pyrene	X	X			
Benzo(b)fluoranthene	X				
Metals					
Arsenic	X	X	X		
SB-6 (6-8')					
SVOCs					
Benzo(a)pyrene	X				
Metals					
Arsenic	X	X	X		
SB-6 (11-13')					
SVOCs					
Benzo(a)anthracene	X				
Benzo(a)pyrene	X	X	X		
Benzo(b)fluoranthene	X				
Indeno(1,2,3-cd)pyrene	X				
Metals					
Arsenic	X	X	X		

Notes

'	Feet	RSL	Regional screening level
EPA	U.S. Environmental Protection Agency	SVOC	Semivolatile organic compound
MCI	Municipal Correctional Institute	USGS	U.S. Geological Survey
MRBCA	Missouri risk-based corrective action		