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October 22, 2014

Carol Minsk

South Carolina Department of Health & Environmental Control

Bureau of Land and Waste Management

2600 Bull Street

Columbia, South Carolina 29201

Re: Draft Remedial Investigation (RI) Report (VCC Contract # 13-6078-RP; Itron Site, Greenwood County)

Dear Ms. Minsk:

Enclosed are two copies of the Draft RI Report for the above referenced site prepared by URS and one digital copy on a CD.

If you have any questions, do not hesitate to contact me at 510-844-2882

Sincerely,

Pad Kemmanahalli

Corporate Senior Director HSE & Sustainability

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URS

INFRASTRUCTURE

Environmental Services

GREENVILLE

Remedial Investigation Report

Itron - Greenwood, South Carolina Facility

October 2014

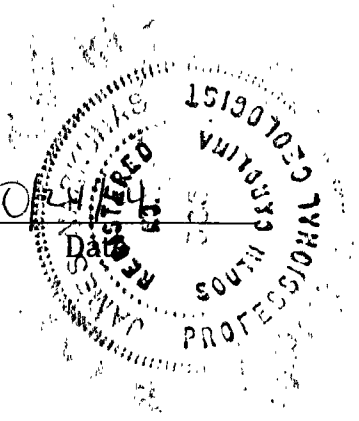
Endorsement Page

This Remedial Investigation (RI) Report was prepared under my direction or supervision in accordance with a system designed such that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

James Narkunas

James Narkunas, P.G.
SC License No. 385

10/24/14
Date



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List of Acronyms

ATSDR – Agency for Toxic Substances and Disease Registry

bgs – below ground surface

BRA – baseline risk assessment

CIH – certified industrial hygienist

cm/sec – centimeters per second

COCs – chemicals of concern

CSM – conceptual site model

cDCE – cis-1,2-Dichloroethene

DBCP – 1,2-dibromo-3-chloropropane

DNAPL – dense non-aqueous phase liquid

DO – dissolved oxygen

DPT – direct push technology

EDB – 1,2-dibromoethane

EPA – Environmental Protection Agency

ESA – environmental site assessment

ET – evapotranspiration

°F – degrees Fahrenheit

FS – feasibility study

GPS – global positioning system

HSA – hollow-stem augers

HVAC – heating, ventilation, and air conditioning

IDW – investigative derived waste

LNAPL – light non-aqueous phase liquid

MCL – maximum contaminant level

mg/kg – milligrams per kilogram

MSL – mean sea level

OD- outside diameter

ORP – oxidation reduction potential

OSHA – Occupational Safety and Health Administration

PAHs – polynuclear aromatic hydrocarbons

PCE – tetrachloroethene

PEL – permissible exposure limit

PID – photoionization detector

PPM – parts per million

PSL – preliminary screening level

PVC – polyvinyl chloride

QA/QC – quality assurance/quality control

QAPP – quality assurance project plan

RBCA – risk-based corrective action

RBSL – risk-based screening level

RI – remedial investigation

RPVCC – responsible party voluntary cleanup contract

RSL – regional screening level

SAEDACCO – South Atlantic Environmental Drilling and Construction Company, Inc.

SCDHEC – South Carolina Department of Health and Environmental Control

SCDNR – South Carolina Department of Natural Resources

SES – Shealy Environmental Services, Inc.

SSL – soil screening level

TCE - trichloroethene

TCLP – toxicity characterization leaching procedure

TOC – total organic carbon

TWA – time weighted average

µg/L – micrograms per liter

µg/m^3 – micrograms per cubic meter

USCS – Unified Soil Classification System

USDA – United States Department of Agriculture

USGS – United States Geological Survey

UST – underground storage tank

UV – ultraviolet

VC – vinyl chloride

VI – vapor intrusion

VOCs – volatile organic compounds

EXECUTIVE SUMMARY

A Remedial Investigation (RI) was conducted at the Itron, Inc. (Itron) facility located at 1310 Emerald Road in Greenwood, South Carolina (the "Site") between March 2014 and July 2014 in conjunction with a Responsible Party Voluntary Cleanup Contract (RPVCC) 13-6078-RP entered into between Itron and the South Carolina Department of Health and Environmental Control (SCDHEC) on October 2, 2013. The Site occupies approximately 24 acres in a mixed-use area of Greenwood County, approximately 3 miles northeast of the town of Greenwood and is developed with a 130,000 square-foot building (the "Building") used to manufacture flow meters for industrial and municipal purposes. The Site is bounded to the north by Emerald Road, to the west by Parkland Place Road and to the south and east by a residential neighborhood. The Site is zoned as light industry, according to the Greenwood County website, and it's unlikely the use of the property will change within the foreseeable future. There are no perennial surface water features or wetlands located at the Site. Wilson Creek is located approximately ½ mile south of the Site and two intermittent streams that are unnamed tributaries to Wilson Creek are located east and west of the Site.

Multiple investigations including a Phase I Environmental Site Assessment (ESA), Phase II ESA, an additional soil and groundwater assessment, indoor air quality assessments, and a follow-up groundwater sampling event were performed at the Site between December 2011 and August 2012. The primary purpose of the RI was to further assess the nature and extent of impacts to soil and groundwater at the Site detected during these previous studies. The technical approach was described in the *Remedial Investigation Work Plan* prepared by URS Corporation, dated November 2013. Field work was performed between March 2014 and July 2014 in accordance with the work plan.

The indoor air quality assessment was conducted in 2012 to determine if vapor intrusion of volatile organic compounds (VOCs) detected in soil and groundwater

was affecting indoor air. VOC concentrations in indoor air samples were below preliminary screening levels (PSLs) with the exception of tetrachloroethene (PCE) and trichloroethene (TCE) in a sample located inside the cardboard storage room during the first two sampling events. A follow-up air sampling event conducted by a certified industrial hygienist indicated that there was no measurable exposure to PCE, TCE or 1,2-dichloroethene during normal operations at the facility, at measuring limits well below the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs).

The RI included:1) soil borings located within and adjacent to the Building and near a debris pile located in a wooded area east of the Building; 2) installation of shallow and deep groundwater monitoring wells; and 3) and investigation of a suspected drain line associated with a steel sump on the south side of the Building. Soil and/or groundwater samples were collected from 41 soil borings, 7 shallow monitoring wells and 4 deep monitoring wells. Groundwater samples were also collected from 11 existing shallow monitoring wells. The drain line investigation was terminated when it was determined there was no drain line connected to the steel sump.

The subsurface investigations identified three geologic units beneath a thin soil layer at the Site. They are near-surface fill, most likely placed during site development; the regolith which is composed entirely of saprolite; and the underlying bedrock. The groundwater table occurs at a depth of approximately 20 to 30 feet below ground surface (bgs) within the upper portion of the saprolite, which primarily consists of silt and sandy silt. The Site is located along a ridge top and shallow groundwater east of the Building flows to the east and south of the Building flows to the south.

The collective results of the previous investigations and the RI indicate the presence of three potential source areas including the steel sump area located near the southeast corner of the Building, the cardboard storage room area located east of the Building, and an area near the northeast corner of the Building where four

underground storage tanks (USTs) and a gasoline dispenser were formerly located. Results for soil samples collected beneath the Building and near the debris pile located east of the Building indicate that these areas are not significant sources. PCE is the primary chemical of concern (COC) at the Site while lower concentrations of degradation products [i.e., TCE and cis-1,2-dichloroethene (cDCE)] were also detected. PCE exceeded PSLs in soil and groundwater samples collected from all three source areas, with the highest concentrations being detected in the vicinity of the steel sump and cardboard storage room areas. Field screening of soil samples using hydrophobic dye and gauging of wells with the highest concentrations of PCE with an interface probe did not detect dense non-aqueous phase liquid (DNAPL) at the Site.

Petroleum hydrocarbons and polynuclear aromatic hydrocarbons (PAHs) were also detected at the Site. Benzene, naphthalene, ethylbenzene, xylenes, benzo(a)pyrene, and benzo(b)fluoranthene exceeded PSLs in soil and/or groundwater samples collected in the vicinity of the former UST and gasoline dispenser and cardboard storage room areas.

Steel Sump Area: A total of 54 soil samples were analyzed from varying depth intervals within the steel sump area. PCE was detected in all soil samples collected as part of the RI within the steel sump area with the exception of three samples. Forty-three (43) of the samples exceeded the protection of groundwater soil screening level (SSL) of 0.0023 milligrams per kilogram (mg/kg) for PCE. Elevated concentrations of PCE ranging from approximately 5 to 2,600 mg/kg in near surface soil samples (0 to 3 feet bgs) indicate that PCE was released in this area. Additional VOCs detected in soil samples collected from the steel sump source area and exceeded applicable screening criteria included 1,1-dichloroethene, 1,1,2-trichloroethane and TCE.

Cardboard Storage Area: A total of 49 soil samples were analyzed from varying depth intervals within the cardboard storage room and vicinity. Thirty-eight (38) of

the samples exceeded the protection of groundwater SSL for PCE. Elevated concentrations of PCE ranging from 5.4 to 1,300 mg/kg in near surface soil samples (0 to 4 feet bgs) indicate that PCE was released in this area. Naphthalene exceeded the protection of groundwater SSL of 0.036 mg/kg at 12 sample locations, ethylbenzene exceeded the protection of groundwater SSL of 0.78 mg/kg at two sample locations and benzo(a)pyrene and benzo(b)fluoranthene exceeded the soil SSL or SCDHEC Risk-Based Screening Level (RBSL) at one sample location According to Site personnel, the cardboard storage room was constructed in 1987 and releases in this area may predate construction of the building.

Former UST and Gasoline Dispenser Area: Thirteen (13) soil samples from varying locations and depth intervals within the former UST and gasoline dispenser area were analyzed. PCE was detected in four samples with two samples exceeding the protection of groundwater SSL. The PCE concentrations in this area in the shallow soil samples were several orders of magnitude lower than in the other two source areas, but the highest naphthalene concentrations were detected near the gasoline dispenser. Naphthalene exceeded the protection of groundwater SSL at two sample locations, with a maximum detected concentration of 15 mg/kg.

PCE was also detected in many soil samples from borings and monitoring wells located beyond the immediate vicinity of the suspected source areas. PCE concentrations detected in these areas are attributed to a potential combination of dissolved phase and vapor phase migration through the vadose zone and dissolved phase transport in shallow groundwater from the source areas to these locations.

Groundwater samples were collected from 22 groundwater monitoring well locations, the results of which identified PCE, various other VOCs, and PAHs in the surficial aquifer underlying the Site. VOCs were detected at all monitoring wells and PAHs were detected in seven of the ten wells for which the compounds were sampled. As previously mentioned, PCE is the primary COC at the Site and the concentration in 12 of the sampled wells exceeded the maximum contaminant level

(MCL) of 5 micrograms per liter (µg/L). The highest PCE concentration (97,000 µg/L) was detected in a sample from well MW-7 which is located in the steel sump area. Conceivably, PCE was released at the surface at both the steel sump and cardboard storage room areas, infiltrated into the soil and percolated 20 to 30 feet to groundwater forming a plume in the shallow groundwater that extends at least 500 feet downgradient of the source areas. The orientation of the plume is generally consistent with the easterly and southeasterly flow of groundwater across the Site. Concentrations of PCE in shallow wells upgradient (north) and downgradient (south and southeast) of the suspected sources are below the PSLs.

Releases of petroleum hydrocarbons on the northeast side of the Building may have occurred at the surface or directly into the subsurface from leaks in the UST system. Contaminant transport mechanisms for petroleum hydrocarbons are similar to those for PCE. The available data suggest that the extent of the source area(s) is much smaller than for the PCE releases and the resulting impacts to groundwater appears to extend less than 300 feet downgradient of the source area in shallow groundwater.

During the RI, four of the monitoring wells were installed at deeper depths to assess the vertical extent of the PCE plume. In comparison to the results in the shallower wells, concentrations in the deeper wells are several orders of magnitude lower, most likely due to the low permeability of soils and locally upward vertical hydraulic gradients. However, concentrations of PCE in two of the four deeper wells exceeded the PSL for PCE.

The results of the RI suggest that contact with shallow soil that contains elevated levels of PCE may be a potential exposure pathway for onsite workers. The relatively low concentrations detected in the downgradient wells suggest that PCE has not migrated offsite. In addition, nearby residents are provided municipal water. Therefore, off-site receptors do not appear to be at significant risk of

exposure to COCs at the Site given the depth to groundwater and the low concentrations detected near the property boundary.

1.0 INTRODUCTION

1.1 Overview

This report presents the results of the RI conducted for the Itron Inc. (Itron) facility located at 1310 Emerald Road in Greenwood, South Carolina, hereafter known as the "Site" (Figure 1). Environmental investigations conducted at the Site between 2011 and 2013 (URS, 2013a) detected PCE and other hazardous substances in soil and groundwater at concentrations exceeding applicable screening levels. Due to the nature and extent of the contamination encountered, Itron and SCDHEC entered into RPVCC 13-6078-RP, dated October 2, 2013, to conduct a RI to address the soil and groundwater contamination at the Site. In accordance with the RPVCC, a RI Work Plan (URS, 2013a) was submitted to SCDHEC on November 15, 2013 and subsequently approved on February 3, 2014 by the department. The RI Work Plan outlines the protocols and methodologies that were used to more fully define the nature and extent of the soil and groundwater contamination at the Site.

1.2 Purpose of Report

The primary objectives of the RI Report are to:

- Document the horizontal and vertical extent of soil contamination in suspected source areas as assessed during RI field activities and previous investigations;
- Document the horizontal and vertical extent of groundwater contamination;
- Develop an understanding of site geological and hydrogeological conditions;
- Update the conceptual site model (CSM) presented in the RI Work Plan based on the additional data collected during the RI; and

These objectives were achieved by combining information gathered during the RI along with data from previous field investigations. Based on the results presented in this RI Report, the need for the additional site characterization and development of a feasibility study (FS) or other study to evaluate remedial alternatives will be determined.

1.3 Report Organization

The remainder of this report is organized as follows:

Section 2 summarizes the Site background including site description, site history and previous investigations.

Section 3 summarizes the environmental setting of the Site including topography, climate, surface water features, regional geology and hydrogeology, ecology including animal and plant habitats, demographics as well as current and future land uses.

Section 4 describes the methods and procedures used during RI field activities and identifies deviations from the RI Work Plan.

Section 5 describes site geology, hydrogeology and hydrostratigraphic units in addition to groundwater occurrence and movement.

Section 6 describes the nature and extent of contamination identified on the Site. Applicable screening criteria for soil, groundwater and indoor air media are documented and compared to concentrations of various COCs identified in soil, groundwater and indoor air at the Site.

Section 7 presents an updated CSM that identifies potential source areas and releases and discusses contaminant fate and transport.

Section 8 includes the conclusions developed based on the data obtained during the RI.

Section 9 includes references utilized in the preparation of this RI Report.

Tables and figures are included in separate sections following Section 9. Twelve appendices (A through L) follow the figures and provide supporting information. Appendix I contains the executive summaries and chain of custodies from the laboratory reports and the full reports are included on the electronic version included on a compact disk.

2.0 SITE BACKGROUND

2.1 Site Description

The Site currently consists of a 130,000 square-foot building (the "Building") on a 24.04-acre parcel of property located at 1310 Emerald Road, Greenwood, South Carolina. The facility manufactures flow meters for industrial and municipal uses. As part of the manufacturing process, the facility stores pre-formed brass, stainless steel, steel and aluminum parts on site. Additional materials manufactured at the facility include electronic circuit boards, wiring, casings and other smaller components. A site vicinity map is included as Figure 2 which identifies the approximate property boundary of the Site, surrounding properties, roads and streets, streams, ponds, a nearby private water supply well and a railroad line.

2.2 Site History

Prior to 1972, the Site was reportedly used for agricultural purposes. The current Building was constructed in 1972 for flow meter manufacturing by Neptune Carolina, Inc. In April 1972, Neptune Carolina, Inc. transferred ownership of the property to Greenwood County. While the property was owned by Greenwood County for nearly 30 years, flow meter manufacturing continued under the operation of Allied Signal, Wheelabrator Frye and Schlumberger Industries. In September 2001, the ownership of the property reverted from Greenwood County to Schlumberger Industries. Schlumberger transferred ownership of the Site to Actaris U.S. Liquid Measurement on October 26, 2001. Itron, Inc. acquired Actaris in 2008. In 2012, Itron sold the operations at the facility (i.e., Itron's Liquid Measurement Business) to Measurement Technology Group, Inc., which is now doing business at the facility as Red Seal Measurement. Itron is currently leasing the facility to Red Seal Measurement, and retained ownership of the Building and the property.

2.3 Current and Historic Site Features

Figure 3 depicts the approximate locations of current and historic site features. The most relevant features to the RI include the suspected source areas located in the cardboard

storage room on the east side of the Building and the steel sump area located near the southeast corner of the Building.

Other potential sources include the spray paint booth, a former gasoline dispenser, and former UST area. The historic use of PCE in the vicinity of the spray paint booth, located in the northern portion of the Building, has been reported by site personnel. There were reportedly four USTs removed from the Site in 1987. The tanks included a 1,000-gallon gasoline tank, a 5,000-gallon No. 2 Fuel Oil tank, a 12,000-gallon No. 2 Fuel Oil tank and a 12,000-gallon mineral spirits tank. The USTs and gasoline dispenser were located near the northeast corner of the Building. A debris pile and partially buried drum, located in the wooded area east-southeast of the Building, was also identified as a potential source area.

The remaining features identified on Figure 3 are included to provide a general understanding of the facility layout, which includes office space, a parking area, production areas, loading docks, an oil-water separator, a maintenance shop and shipping and receiving areas.

2.4 Previous Investigations

Table 1 provides an overview of the general technical approaches implemented during previous phases of investigations of the Site. Figure 4 illustrates the locations of all samples collected during the previous investigations. Qualitative summaries of the investigation results are also included in Table 1. Quantitative results of soil and groundwater samples collected during the previous investigations are discussed in Section 6.0 and are evaluated collectively with the analytical results from the RI.

3.0 ENVIRONMENTAL SETTING

3.1 Site Location and Topography

The Site is located approximately 3 miles northeast of the town of Greenwood in a mixed, light-industrial, warehouse/distribution and residential area. As shown on the United States Geological Survey (USGS) 7.5 minute Ninety Six, South Carolina Quadrangle map (Figure 1), the Itron Site is located on the southern side of Emerald Road at the intersection of Parkland Place Road. A Seaboard Railroad line runs east-west, just north of Emerald Road.

Ground surface elevations range from approximately 578 feet above mean sea level (MSL) near the northwest corner of the property to about 550 feet MSL in the central portion of the property. The ground surface elevation drops to about 500 feet MSL in the heavily-wooded area located southeast of the Site. This change in topographic relief causes surface runoff on the Site to flow overland from northwest to southeast. Additionally, there are obvious ravine-type features in the heavily-wooded area southeast of the Building. Some are approximately 20 feet deep, and do not appear to be of natural origin. The ravines are likely former borrow areas which may be been used when the facility was constructed about 40 years ago.

3.2 Climate

The average annual temperature in Greenwood, South Carolina is 60.3 degrees Fahrenheit (°F), with the average high temperature being 72.7 °F and the average low being 47.9 °F. Average annual precipitation is 46.3 inches.

The hottest month on average in Greenwood is July with an average high of 91 °F and a low of 67 °F, while the coldest month on average is January with an average high of 52 °F and a low of 30 °F. The most precipitation typically falls in the month of January with an average of 5 inches while the driest month is typically April with an average of 3.11 inches of precipitation (www.usclimatedata.com).

3.3 Surface Water

Wilson Creek, an eastward flowing perennial stream, is located approximately ½ mile south of the Site (Figure 1). Two intermittent streams that are unnamed tributaries to Wilson Creek are located east and west of the Site (Figures 1 and 2). The east tributary has been impounded at several locations near its headwaters forming three ponds that are located upstream of the Site. The closest perennial streams bounding the Site to the east and west are Coronaca Creek located approximately 6,100 feet east of the Site and an unnamed tributary to Wilson's Creek located approximately 4,000 feet to the west.

3.4 Regional Geology

The Site is located in the Piedmont physiographic province of South Carolina. The topography of the region is characterized by gently to moderately steep slopes with broad to narrow ridge tops and narrow stream valleys, the locations of which are controlled by the structure and relative resistance of the underlying bedrock units. Elevations are approximately 375 feet above MSL at the landward edge of the coastal plain, located 40 miles to the east rising to 1,000 feet above MSL near the mountains, located approximately 55 miles to the northwest of the Site. Surface drainage forms dendritic patterns with stream channels trending generally toward the southeast. Recent fluvial sediments are limited to streambeds and small floodplains adjacent to streams and rivers.

Underlying the regolith, the regional geology is a complex assemblage of metamorphic, igneous, and sedimentary rocks with low- to high-grade metamorphic rocks such as schist, gneiss, and amphibolite being the more abundant (Childress, 2006). The rocks are generally stratified and layered with distinct foliation and typically strike in a northeast-southwest direction. Planes of schistosity exhibit similar strike, and dip to the northwest (Siple, 1946). Lineaments and faults are common while joints, usually clustered in groups oriented along one or more preferred directions ranging from horizontal to vertical, occur everywhere. The foliation, bedding planes, fractures, and joints provide avenues for

groundwater flow, but also create anisotropy in the rocks so that hydraulic conductivity is highest parallel to the orientation of the openings.

The metamorphosed crystalline rocks occur throughout the region in a series of northeast-trending terranes, which are fault-bounded, regionally extensive, fragments of the earth's crust that have been transported by plate tectonics from their place of origin (KellerLynn, 2013). Parts of two terranes, the Inner Piedmont terrane to the northwest and the Charlotte terrane to the southeast, transect Greenwood County (Nelson, et al., 1998). The two terranes are separated in Greenwood County by the Lowndesville shear zone, an area of deformation characterized by the movement of rock bodies with respect to one another (KellerLynn, 2013). Each terrane consists of a series of stacked thrust sheets that were transported westward. Within Greenwood County, the Inner Piedmont terrane includes the Paris Mountain thrust sheet and the Laurens thrust sheet, while the Charlotte terrane includes the Charlotte thrust sheet and a separate mafic-ultramafic thrust sheet (Nelson, et al., 1998).

The older, pre-Cambrian metamorphic rocks have been intruded by numerous plutons of granite and gabbro that range in size from stocks up to batholiths. The majority of the intrusions have been deformed and fractured during subsequent episodes of metamorphism; however, some intrusive rocks remain massive and their resistance to weathering is manifested as areas of higher topography (Childress, 2006). Veins and dikes, consisting of diabase and diorite, also penetrate the metamorphic rocks.

The near-surface geology of the region is characterized by regolith, fractured metamorphic and igneous basement rocks, and, at many locations, a transition zone in the lower portion of the regolith where unconsolidated saprolite grades into bedrock. At some locations in the Piedmont, the regolith includes material that has been transported and deposited as alluvium or colluvium. At most locations, however, the principal component of the regolith is saprolite, a clay-rich, residual material that remains above the parent rock from which it has weathered. Being a granular material, saprolite has principal secondary openings between mineral grains and rock fragments, unlike the unweathered bedrock from which it

is derived and in which the principal secondary openings are along fractures (Daniel and Dahlen, 2002). Because saprolite is the product of in-place weathering, some of the textural features of the bedrock, such as relict quartz veins, dikes, and shear zones, are retained within the saprolite. Also, boulders of unweathered bedrock are often found in saprolite. The thickness of the saprolite varies widely across the region. It may exceed 100 feet thick at some locations, but is generally less than 50 feet thick in most areas (LeGrand, 1989).

The transition zone consists of partially weathered bedrock and lesser amounts of saprolite. Particle sizes range from silts and clays to large blocks of unweathered bedrock. Well defined transition zones are typically associated with highly foliated metamorphic bedrock, whereas poorly defined zones, characterized by saprolite present between large blocks of unweathered rock, are associated with massive igneous rocks (Harned and Daniel, 1989). The thickness and texture of the transition zone depend on the texture and composition of the parent rock. Consequently, the transition zone is not a continuous layer, but thins and thickens over short distances, becoming absent at some locations.

3.5 Regional Hydrogeology

The groundwater system in the Piedmont province can be divided into two hydrostratigraphic units: the regolith, including the transition zone where present, and the bedrock. The regolith contains water within pores under both saturated and unsaturated conditions. At the base of the soil layer, which is generally three to eight feet thick, the size of the particles decreases abruptly with a corresponding decrease in pore size (Harned, 1989). Where the regolith consists of saprolite, the pore types may be characteristic of both the soil and underlying rock. Reflecting its inherent rock-like structure, continuous pores in saprolite may be related to quartz veins and natural joints or foliations in the bedrock. In the saturated regolith, groundwater is stored in and transmitted through pores that are present between the soil and rock particles. Groundwater in the regolith supplies and replenishes groundwater in the underlying fractured bedrock. With porosity that ranges from 35 to 55 percent and a specific yield that is typically about 20 percent, the regolith is readily able to store considerable quantities of groundwater which it releases slowly to

fractures in the underlying bedrock (Heath, 1980). The hydraulic conductivity of the regolith, which ranges from 3.5E-04 to 7.1E-03 centimeters per second (cm/sec), is anisotropic due to higher permeability along the direction of relict fractures and foliation.

The water table usually occurs within the regolith at depths that vary depending on location and topography. The water table is at or near land surface at the bottom of a stream valley or adjacent to a lake or pond; it typically ranges from a few feet to a tens of feet below the surface underlying hill slopes and broad, flat uplands; and, it can be at even greater depths beneath hills and ridges (Daniel and Harned, 1998).

The transition zone in some areas of the Piedmont has been identified as being more permeable than the upper regolith and even more permeable than the soil zone (Daniel and Dahlen, 2002). Therefore, a zone of greater groundwater flow can exist within the groundwater system at locations where the transition zone is sufficiently thick. The transition zone exhibits the highest permeability in the saprolite due to less advanced weathering in the lower regolith. Here, mechanical weathering has formed minute fractures in the rock, but chemical weathering has not yet altered the rock minerals to fracture-clogging clay.

In bedrock, groundwater occurs in interconnected vertical and horizontal fractures, as well as within rock foliations. Openings in gneiss and schist follow typically dipping foliation and bedding planes. Conversely, nearly horizontal tension joints occur in massive rocks without strong lineation such as granite. Bedrock permeability is controlled by fracturing and declines with increasing depth because the size of the fractures decreases with depth. Also, as a general rule, the frequency of fracture occurrence, especially horizontal fractures, tends to decrease with depth. Therefore, while very productive fractures and fracture zones have occasionally been encountered at greater bedrock depths, few fractures generally extend deeper than 400 feet. Therefore, the base of the Piedmont groundwater system is indistinct and occurs where the fracture system no longer transmits flow effectively. The hydraulic conductivity of the bedrock in the region is anisotropic and ranges from 3.5E-04 to 7.1E-03 cm/sec. In addition, bedrock exhibits relatively low

porosity that typically is between 1 and 3 percent (Daniel and Sharpless, 1983). However, below a depth of 750 feet, lithostatic pressure holds fractures closed and porosity may be less than 1 percent.

Water in the groundwater system originates from the infiltration of precipitation. Interfluves serve as the primary recharge areas for the groundwater system, whereas perennial surface water bodies and any adjoining floodplains serve as discharge areas. Water within the saturated regolith and bedrock flows laterally from recharge areas to discharge areas effectively moving groundwater from upland locations to nearby streams and wetlands. Most recharge occurs from January through March when vegetation is dormant and evapotranspiration (ET) rates are low. Conversely, the recharge rate is lowest during the peak growing season between June and September. Therefore, seasonal variation in ET and not precipitation patterns account for the seasonality in groundwater recharge (Daniel and Harned, 1998).

Conceptually, groundwater flow systems in the Piedmont are characterized by slope aquifers in which flow is restricted to areas between ridge tops and perennial streams (LeGrand, 1989). The shape of the water table is a subdued replica of the land surface topography and groundwater flows toward the streams, which typically are located within 3,000 feet of the ridge tops. Rarely under-flowing the perennial streams, groundwater discharges into the streams resulting in short flow paths.

3.6 Ecology

This section provides an overview of the animal and plant habitats common to the areas of Greenwood city and county. Portions of the information has been excerpted and summarized from *The Greenwood City /County Comprehensive Plan* (2011) and from a description of the Piedmont Ecoregion prepared by the South Carolina Department of Natural Resources (SCDNR). Rare, threatened, and endangered species and communities described below are identified from lists compiled by the SCDNR in June 2014.

The rolling uplands of the piedmont landscape are predominantly a mosaic of agricultural land and managed woodland, with a history of clearing and economic use that dates back to the earliest times of European settlement. Hardwood-dominated forests occupy relatively narrow floodplains and scattered upland sites, while pine and pine-hardwood forests occupy the majority of forested upland sites. The resulting landscape does not constitute suitable habitat for many area-sensitive wildlife species or for species associated with either early- successional or late- successional conditions (SCDNR, 2014).

The primary factor influencing habitat quality and quantity in the Piedmont is urban sprawl. Since World War II, population growth in the piedmont has been rapid, outpacing growth in the United States as a whole. Low-density development contributes to habitat fragmentation, which impacts many fish and wildlife species. In the Piedmont, development has been particularly rapid in association with the interstate highway system. Habitat fragmentation also hinders the use of prescribed fire. Most of the priority species for this habitat decline as development encroaches. While most birds can rapidly find and colonize early successional habitat patches, some bird species (grassland birds in particular) are area sensitive and will not use small patches of habitat surrounded by forest or developed areas. The isolation of suitable early successional habitats may be most problematic for mammals, reptiles and amphibians that have limited dispersal ability and may suffer high mortality when traveling through unsuitable habitats (SCDNR 2014).

3.6.1 Animal Habitats

As a predominately rural county, Greenwood has a number of animal species that inhabit forests, fields, rivers, and lakes. The SCDNR has identified 47 reptiles, 29 amphibians, 61 mammals, and 194 birds that are commonly found in the County. Of these, the Carolina Heelsplitter is listed as an endangered species. Other animals on the rare, threatened, and endangered species list that are known to occur in Greenwood County include the Bald Eagle, the Carolina-Atlantic Spike complex, and the Eastern Creekshell (Greenwood City and Greenwood County, 2011). Many of these species are found throughout Greenwood

County and are not limited to specific areas, except the Bald Eagle and Osprey that are found around Lake Greenwood (SCDNR, 2014a).

3.6.2 Plant Habitats

To a greater degree than in other regions, the vegetation in the piedmont has been altered by human activity. Nevertheless, Greenwood County is home to numerous species of plants. Of those plants that are rare, threatened or endangered, the following have been found in Greenwood County in recent years: Soft Groovebur, Southeastern Tickseed, Columbo, Canada Moonseed, Nestronia, Adder's-tongue, American Gensing, Streamback Mock-orange, Green-fringe Orchis, Oglethorpe's Oak, Small Skullcap, Georgia Aster, Smooth three-parted Violet and the Bottomland hardwoods community (Greenwood City and Greenwood County, 2011).

3.7 Demographics

As of the 2010 census, there were 69,661 people, 27,547 households, and 18,438 families residing in Greenwood County. The population density was 153 people per square mile. There were 31,054 housing units at an average density of 68 per square mile. The racial makeup of the county was 62.90 percent White, 31.40 percent Black or African-American, 0.30 percent Native American, 0.08 percent Asian, 0.01 percent Pacific Islander, 3.50 percent from other races, and 1.20 percent from two or more races. The population of Hispanic or Latino of any race was 5.40 percent.

There were 27,547 households out of which 28.50 percent had children under the age of 18 living with them, 44.40 percent were married couples living together, 17.50 percent had a female householder with no husband present, and 33.10 percent were non-families. Of all households, 27.90 percent were made up of individuals and 11.20 percent had someone living alone who was 65 years of age or older. The average household size was 2.43 and the average family size was 2.96.

In Greenwood County, the age of the population was spread out with 27.10 percent under the age of 20, 7.30 percent from 20 to 24, 24.80 percent from 25 to 44, 25.60 percent from

45 to 64, and 15.10 percent who were 65 years of age or older. The median age was 37.9 years. The median income for a household in the Greenwood County was $37,911, and about 20.70 percent of the persons in the county are below the poverty line (US Census, 2010).

3.8 Current and Future Land Use

The Site is located in a mixed-use area of Greenwood County and is zoned as light industry, according to the Greenwood County website (www.greenwoodsc.gov). It is unlikely that the industrial use of the facility and property will change within the foreseeable future.

4.0 REMEDIAL INVESTIGATION FIELD ACTIVITIES

This section describes field activities that were implemented during the RI. The activities were performed according to the technical approach described in the RI Work Plan (URS, 2013a) and the related procedures discussed in the Site health and safety plan (URS, 2013b). Photographs of field activities are included in Appendix A. Any significant deviations from the plans, including those necessitated by unanticipated field conditions, are identified in section 4.10.

Table 2 is a chronological summary of the field activities that describes the work performed and its purpose. The table identifies the soil borings advanced and the monitoring wells installed. It also summarizes the samples collected, field screening conducted and chemical analyses requested.

For all phases of field activities, sampling and screening equipment was calibrated according to the manufacturer's instructions prior to use each day, and throughout the day as necessary. In addition, non-disposable equipment was decontaminated with a Liquinox® soap solution and rinsed with distilled water before use at each sampling point or location. Drilling tools were first cleaned by scrubbing to remove the larger amounts of soil residues followed by the application of heated wash-water through a high pressure jet.

4.1 Direct-Push Technology (DPT) Soil Boring and Sampling

Borings utilized solely for soil sampling, and not for well installation, were advanced and sampled according to the RI Work Plan by South Atlantic Environmental Drilling and Construction Company, Inc. (SAEDACCO), a licensed well drilling contractor from Fort Mill, South Carolina, using a track-mounted DPT rig to drive macro-core soil samplers. This portion of the soil sampling was completed March 31 through April 4, 2014, April 7 through 9, 2014 and May 10, 2014. Forty one (41) borings were advanced to investigate the type and chemical character of the upper 30 feet of soil in the suspected source areas. Recovered soil was described, screened for VOCs by photoionization detector (PID), and examined for dense non-aqueous phase liquid (DNAPL) by hydrophobic dye-shake testing

if PID readings exceeded 100 parts per million (ppm). Soil descriptions and PID screening results are included on the soil boring logs in Appendix B. Field and quality assurance and quality control (QA/QC) samples submitted for fixed laboratory chemical analysis, the specific analyses requested, and the analytical methods used are identified in the data quality review memoranda included in Appendix C. Upon completion of soil sampling, each borehole was closed by filling from the bottom to the top using a cement grout, bentonite mixture.

All soil samples submitted to the project analytical laboratory, Shealy Environmental Services, Inc. [SES] in West Columbia, South Carolina, were analyzed for VOCs by Environmental Protection Agency (EPA) Method 8260B. Selected soil samples were also analyzed for PAHs by EPA Method 8270D.

The locations and elevations of the soil borings were recorded using a recreational-grade global positioning system (GPS). Boring locations are depicted on Figures 5 and 6.

4.2 RotoSonic Drilling, Soil Sampling and Monitoring Well Installation

Boreholes used to install six of the seven shallow monitoring wells and the four deep monitoring wells were advanced according to the RI Work Plan by Terrasonic International (Terrasonic), a licensed well drilling contractor from Aiken, South Carolina, using tracked and truck-mounted rotosonic drilling rigs. This portion of the RI was completed from May 12 to 16, 2014 and May 19, 2014. During drilling, soil was also collected for chemical analysis. The drill core was continuously logged to select the more permeable units for well screen placement and the soil was screened for VOCs and DNAPL, as described above. Soil descriptions and PID screening results are included on the monitoring well logs in Appendix D. South Carolina water well records (Form 1903) are also included in Appendix D. Field and QA/QC samples submitted for fixed laboratory chemical analysis, the specific analyses requested and the analytical methods used are identified in the data quality review memoranda included in Appendix C. All soil samples submitted to the laboratory

were analyzed for VOCs by EPA Method 8260B and selected soil samples were also analyzed for total organic carbon (TOC) by the Walkley-Black method.

Upon reaching the target drilling depth, as determined from the lithology encountered, a two-inch diameter polyvinyl chloride (PVC) monitoring well was installed in three of the four deep boreholes. At boring MW-5D, drilling continued 110 feet into apparent bedrock. The boring was then backfilled to 74 feet with bentonite chips before the well was installed. Well construction information is included on the monitoring well logs and SCDHEC water well records in Appendix D. Construction information for the new and pre-existing wells is also summarized in Table 3.

Subsequently, the location and measuring point elevation of each monitoring well was determined by a licensed surveyor. The locations of all monitoring wells are depicted on Figure 7 and the surveyor's report is included in Appendix E.

4.3 Hollow-Stem Auger Drilling, Soil Sampling and Monitoring Well Installation

Due to access constraints, Terrasonic utilized a track-mounted DPT rig with hollow-stem auger (HSA) capability to install shallow monitoring well MW-17 on May 10, 2014. Prior to drilling, soil sampling was performed using a DPT-driven macro-core sampler. The soil was described and screened for VOCs and DNAPL as described above, and selected samples were submitted to the laboratory for VOC analysis. Soil descriptions and PID screening results are included on the monitoring well log in Appendix D. Field and QA/QC samples submitted for fixed laboratory chemical analysis, the specific analyses requested, and the analytical methods used are identified in the data quality review memoranda included in Appendix C. All soil samples submitted to the laboratory were analyzed for VOCs by EPA Method 8260B.

Following the completion of soil sampling, the boring was enlarged using a 3.25-inch outside diameter (OD) auger, and a two-inch diameter PVC monitoring well was installed and developed. Well construction information is included on the monitoring well log and SCDHEC water well record in Appendix D.

Subsequently, the location and measuring point elevation of the well was recorded by a licensed surveyor. The location of the well is depicted on Figure 7 and the surveyor's report is included in Appendix E.

4.4 Drain Line Investigation

During the course of previous investigations, information was collected that indicated a drain line, which originated near the southeast corner of the Building at a steel sump and extended to the east-southeast. As documented in the RI Work Plan, the intent was to further investigate the drain line by utilizing a private utility locator to mark the line and trace it to a potential outfall location. In addition, the plan called for using a backhoe to breach the line at the steel sump and then place a video camera in the line to determine if the line was open and unobstructed.

Upon excavating soil at the steel sump on April 3, 2014, it was determined there was no drain line connected to the steel sump and the investigation was terminated.

4.5 Debris Pile Investigation

The debris pile investigation was added to the RI Work Plan as an addendum in a memorandum to SCDHEC on May 9, 2014 and subsequently approved on May 12, 2014 by the department. The memorandum describes the discovery of a partially buried drum at the Site during a site visit on January 21, 2014 by URS and SCDHEC personnel. The drum was located in a debris pile that appeared to consist of only relatively inert materials such as concrete and scrap metal in the woods on the eastern portion of the Site. Two soil borings, designated SB-59 and SB-60, were advanced within 4 feet of each other on opposite sides of the drum using a hand auger. Each boring was terminated at 5 feet bgs and the two soil samples with the highest PID readings were selected from each boring and analyzed for VOCs. The debris pile sampling locations are depicted on Figure 8. Upon completion of soil sampling, each borehole was closed by filling from the bottom to the top using a cement grout and bentonite mixture.

4.6 Monitoring Well Development

All newly installed monitoring wells (MW-12 through MW-18, MW-5D, MW-9D, MW-10D and MW-16D) were developed between May 19 and 22, 2014 by removing a sufficient amount of water to flush the filter pack and allow proper groundwater movement into the wells. This was accomplished by alternately pumping and surging each well. Development continued until the pump discharge was clear or until further improvement in the turbidity of the discharge water was no longer feasible. Groundwater quality parameters such as pH, oxidation reduction potential (ORP), specific conductivity, dissolved oxygen (DO), temperature and turbidity were monitored and documented on well development logs that are included in Appendix F.

4.7 Groundwater Monitoring

Groundwater monitoring was performed on June 4 and 5, 2014 and included measuring water levels in, and collecting water samples from, 22 monitoring wells (MW-1 through MW-18 plus MW-5D, MW-9D, MW-10D, and MW-16D). The monitoring well locations are shown on Figure 7 and monitoring well construction details are summarized in Table 3.

Prior to sample collection, water levels in the monitoring wells were measured with an electronic water level meter. An interface probe was lowered to the bottom of wells MW-6, MW-7, MW-8, MW-10, MW-16, MW-10D and MW-16D to check for the presence of DNAPL. In addition, a bailer was lowered to the bottom of the aforementioned wells, retrieved and the contents visually inspected for the presence of DNAPL. Water levels measured in the wells on June 4, 2014 are summarized in Table 3.

In preparing for sampling, wells were purged following low-flow/minimal drawdown sampling procedures. A low-flow submersible pump fitted with new polyethylene tubing was utilized. The pump discharged to an in-line water quality meter that monitored field parameters until they stabilized indicating that sampling could commence. Groundwater sampling logs are included in Appendix G. Prior to collection of the samples, the dedicated tubing for each well was disconnected from the water quality meter. Samples were then

collected in preserved, laboratory-provided bottles, labeled with unique sample identifiers, logged on a chain-of-custody record and stored on wet ice in a cooler until transported to SES. Field and QA/QC samples submitted for fixed laboratory chemical analysis, the specific analyses requested, and the analytical methods used are identified in the data quality review memoranda included in Appendix C. All groundwater samples were analyzed for VOCs by EPA Method 8260B. Selected samples were also analyzed for PAHs by EPA Method 8270D, and for 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA Method 8011.

4.8 Slug Testing

Falling-head and rising-head slug tests were performed at eleven monitoring wells (MW-3, MW-5D, MW-6, MW-8, MW-9, MW-9D, MW-11, MW-12, MW-14, MW-16D, and MW-18) on June 25 and 26, 2014. The objective of the tests was to determine the hydraulic conductivity of the regolith underlying the facility. The wells were selected based on the soil type in which their screens were completed with the intention of testing a broad spectrum of soil textures ranging from clay to sand. Secondary considerations in a well's selection included its depth and its location within the facility.

The instantaneous insertion and instantaneous removal of a solid, inert slug at each of the tested wells effected the initial water-level displacement for the falling-head tests and rising-head tests, respectively. Dynamic water levels were measured by a pressure transducer, collected and stored using a programmable electronic data recorder. Measurement continued for approximately 30 minutes for the rising head test and then another 30 minutes for the falling head test at each well. Slug test results are included in Appendix H and a hydraulic conductivity summary is included as Table 4.

4.9 Investigative Derived Waste (IDW) Management

Field activities conducted as part of the RI resulted in the generation of IDW in the form of soil cuttings, decontamination fluids, monitoring well development and purge waters as well as plastic sheeting used as part of an onsite decontamination pit. All IDW was stored in

55-gallon drums, labeled with a "pending analysis" label including date of generation, generator name, well and/or soil boring numbers, type of media and contact information for URS and the client. All drums were staged at a designated location allowing for the waste to be profiled for disposal. Composite samples were collected from groups of drums as well as individual drums based on their source and/or the likelihood to be classified as characteristically hazardous or non-hazardous. The samples were analyzed by the Toxicity Characterization Leaching Procedure (TCLP) for VOCs. The executive summaries and chain of custodies from the laboratory reports documenting the analytical results are provided in Appendix I. A total of 52 drums (20 soil, 1 plastic and 31 liquid) were removed from the Site by Univar USA, Inc. and disposed of offsite at permitted disposal facilities as hazardous waste. Waste manifests, signed by Itron personnel, are provided in Appendix J.

4.10 Deviations from the Work Plan

Deviations from the work plan are listed below:

- Fluorescence screening of soil samples for DNAPL by ultra-violet (UV) lamp was not performed due to the review of literature that questioned the reliability of the method under existing site conditions.
- To develop a more representative understanding of COC distribution over the length of the boreholes, the selection of soil samples for chemical analysis was not based exclusively on PID measurements, but also considered the relative vertical spacing between samples. In addition, a significantly greater number of soil samples were submitted for chemical analysis than specified in the RI Work Plan. At locations where soil borings are designated with the suffix "A" (i.e., SB-26A, SB-29A), a second boring was advanced immediately next to the original boring to collect additional samples from different depths.
- Borehole MW-5D, rather than MW-9D, was advanced to the apparent top of bedrock to obtain an entire profile of the unconsolidated material underlying the Site. Also, boring MW-18 was terminated at a depth of 40 feet rather than being advanced to bedrock.

- The boring for well MW-17 was advanced by HSA rather than by the rotosonic method due to rig access inside the Building.
- Monitoring well MW-12 was installed approximately 60 feet to the west-southwest of its proposed location due to access issues in the wooded area. In addition, the well was advanced to a total depth of 68 feet bgs. Shallow monitoring wells were anticipated to be installed between 35 and 55 feet bgs.
- Boring SB-50 was originally proposed near the compressor room located near the southeast corner of the Building. However, due to access issues and low clearance, the boring was moved to the east of boring SB-53.

5.0 SITE GEOLOGY AND HYDROGEOLOGY

This section describes the site geological and hydrogeological conditions. The description of site conditions is based on the borings and wells advanced during RI field activities in addition to borings and wells previously advanced at the Site by URS (URS, 2012a and 2012c). A trace of geological cross sections for the Site is included as Figure 9. Geologic cross sections A-A', B-B', C-C' and D-D' are included as Figures 10, 11, 12 and 13, respectively.

5.1 Site Geology

The Site is located on the south slope of a southeast – northwest trending ridge with the center of the Site at an approximate elevation of 550 feet above MSL (Figure 1). The axis of the ridge slopes downward from the Site for approximately one-half mile to Wilson Creek, an eastward flowing perennial stream, where the elevation is approximately 470 feet MSL. Two, unnamed, intermittent tributaries (UT) to Wilson Creek flow southeastward within moderately incised ravines located approximately 500 feet east of, and approximately 2,100 feet west of the Site.

The predominant soils at the Site are mapped as Cecil sandy loam and Cecil sandy clay loam with 2 to 6 percent and 6 to 10 percent slopes [United States Department of Agriculture (USDA), 2014]. These soils are approximately equivalent to silty sand (SM) and clayey sand (SC), respectively in the Unified Soil Classification System (USCS). Cecil series soils are formed in the residuum of felsic, igneous and high-grade metamorphic rocks and typically occur on ridges and the sides of upland slopes. The soils are well drained and exhibit a moderately high to high capacity to transmit water.

The Site is located in the Southern Appalachian Piedmont physiographic province within the Charlotte thrust sheet; consequently, the Site geology and hydrogeology are typical of the region as described in Sections 3.4 and 3.5. As shown on the cross-sections (see figures 9 through 13), three geologic units have been identified beneath the soil layer. They are

near-surface fill, most likely placed during site development; the regolith, which is composed entirely of saprolite; and the underlying bedrock.

Based on the Geologic Map of the Greenville 1X2 Quadrangle, Georgia, South Carolina, and North Carolina (Nelson et al., 1998), bedrock underlying the Site is granitic to dioritic gneiss of Mississippian age. The gneiss is light to dark gray, medium to coarse-grained, with xenomorphic granular to porphyritic texture, and contains varying amounts of quartz, plagioclase, biotite, hornblende, epidote, titanite and zircon.

Micaceous silt and sandy silt are the principal components of the regolith underlying the Site. Interlayered with the silts are lesser amounts of silty sand and sand. The layering appears to alternate randomly suggesting a high degree of variation over short distances. The silty sand and sand occur most commonly in relatively thin, nearly flat-lying seams and layers that typically are between one and five feet thick but occasionally exceed ten feet in thickness. Minor amounts of sandy clay and clay are also present, but are rare.

The color of the regolith varies widely across the Site. Generally, however, the silts are brown to reddish brown east of the Building and some variation of brown, gray, or olive south of the Building and in the central part of the property. Throughout the Site, the sands are typically white in color but, occasionally, may be light gray or light brown. Clays, like the silts, typically exhibit some variation of brown, gray, or olive.

Due to differential weathering, the thickness of the regolith is extremely variable ranging from 24 feet at soil boring SB-58 located in the north-central part of the Site to 105 feet at well MW-5D located near the center of the property. The saprolite thickness at well MW-3, a boring located approximately 150 feet southeast of SB-58 and the only other boring to penetrate the entire regolith profile, is 47 feet deep. Also, refusal occurred at a depth of 14 feet in Geoprobe® boring SB-57, which is located inside the Building approximately 35 feet northwest of SB-58. Samples of the bedrock were not recovered during the RI or during earlier investigations; therefore, the definite presence of bedrock is undetermined. However, changes in drilling characteristics and drilling refusal are frequently the result of

encountering bedrock and suggest that bedrock was encountered at 47 feet bgs in the boring for well MW-3 and at 105 feet bgs in the boring for well MW-5D. Borings for the three other deep monitoring wells (MW-9D, MW-10D and MW-16D) were each advanced to 76 feet bgs without encountering bedrock. The results indicate a deep bedrock surface in the central part of the Site that rises abruptly by more than 80 feet over a distance of approximately 465 feet as the ridge top is approached (Figure 13). Approximate elevations of the actual or probable top of bedrock at borings MW-3, SB-57 and SB-58 are 515, 547, and 538 feet above MSL, respectively. Farther north, borings for wells MW-1 and MW-18 were advanced to approximate elevations of 526 and 518 feet above MSL, respectively, without encountering bedrock. Comparison of the five elevations suggests that the bedrock surface attains a maximum elevation near the northeast corner of the plant. Also, inspection of this area on topographic maps dated 1949 and 1978 indicates that grading performed during plant construction removed as much as 10 feet of the regolith. Furthermore, based on a description of the lithology encountered in these borings, a transition zone does not appear to be present at the bottom of the regolith underlying the Site.

5.2 Site Hydrogeology

Groundwater at the Site occurs within a two-layer system that includes the regolith and the underlying bedrock as component hydrostratigraphic units. The regolith, which is directly connected to fractures in the bedrock, serves as a reservoir that provides water to the fractured bedrock. Groundwater is unconfined with the water table located within the regolith beneath most of the Site. However, near the northeast corner of the Building, where the top of bedrock appears shallowest, the regolith is dry and the water table occurs in the bedrock.

As seen in Table 3, the water table is generally between 20 and 30 feet below land surface, although it is as much as seven feet deeper in several wells. Groundwater contours based on the June 4, 2014 measurements (summarized in Table 3) are interpreted on Figures 14 and 15, and illustrate the water table and the potentiometric surface in the lower part of

the regolith, respectively. Both maps show that groundwater flow across the Site is to the east and southeast toward the UT to Wilson Creek located approximately 500 feet east of the Site. Historical interpretations of groundwater flow (based on water levels measured in April and August 2012) are in general agreement with the interpretation presented on Figures 14 and 15 but also indicate a flow component toward the northeast. The interpretation of flow direction assumes isotropic conditions exist at the Site, whereas fractured bedrock and regolith exhibiting relict structure are characteristically anisotropic. Although a lineament trace study was not performed during the RI, cursory examination of stream channel orientation on the 7.5-minute series topographic map suggests that the principal joint direction in the area is northwest to southeast, which aligns with the general groundwater flow direction and is characteristically normal to regional metamorphic deformation. However, migration of PCE also exhibits a southerly component suggesting that the actual groundwater flow direction may vary from that interpreted from the water-level measurements.

Groundwater flows in response to average horizontal hydraulic gradients of 0.023 and 0.033 feet/feet for the water table and the lower part of the regolith, respectively. However, whereas the average horizontal hydraulic gradient in the lower part of the regolith appears to be uniform, albeit only a small part of the Site is represented, the average horizontal hydraulic gradient in the upper part of the regolith varies with location. The horizontal hydraulic gradient is most flat underlying the northwest quadrant of the Site with a slope of 0.011 and becomes steeper south and east of wells MW-8 and MW-16 with a slope approaching 0.045. The fact that the average horizontal hydraulic gradient becomes steeper even as the saturated thickness of the regolith increases suggests that the hydraulic conductivity of the unit is decreasing in the downgradient direction. This is supported, in part, by the presence of clay at downgradient well MW-9 and the relatively low hydraulic conductivity measured there (1.7E-05 cm/sec).

The K value of the regolith, which is a function of the degree of weathering, is notably consistent and occurs over a relatively narrow range of values. The results of multiple

rising-head and falling-head slug tests, which are summarized on Table 4, range from 1.3E-05 cm/sec at well MW-5D to 4.1E-04 cm/sec at well MW-16D. Average K values for silt, silt and clay and silty sand are 5.3E-05, 5.7E-05 and 1.0E-04 cm/sec, respectively. These values are consistent with values cited in the literature for clayey sand, silt, silty sand and fine sand (Fetter, 1980) but are lower (by less than an order-of-magnitude) than K attributed to saprolite in the Piedmont region by Heath (1980). Average groundwater velocity in the upper and lower parts of the regolith are approximately 120 and 170 feet per year, respectively, based on these gradients, an effective porosity of 0.2 and a K of 1.0E-04 cm/sec or 0.28 feet/day. This K value corresponds to the slug test results for the silty sands at the Site through which groundwater would be expected to flow preferentially.

Vertical hydraulic gradients are summarized in Table 5 and indicate that slight upward gradients were measured at wells MW-5D and MW-9D and downward gradients were measured at MW-10D and MW-16D. The upward gradients were unexpected as the Site appears to be located on an interfluve, which typically is a groundwater recharge area and characterized by downward gradients throughout. However, the data suggest that while downward gradients occur in the central part of the facility, areas located farther east may be influenced by the UT to Wilson Creek.

Consistent with the slope aquifer concept described in Section 3.5, the groundwater flow regime occurs within a closely-spaced stream network. Water enters the system on interfluvial recharge areas, percolates to the saturated zone, where it flows toward the streams and discharges as baseflow. Consequently, groundwater flow paths through the Site are relatively short. They are restricted to the area of the slope extending from the ridge top northwest of the Site to Wilson Creek, a distance of approximately 9,000 feet. Flow path length from the Site to Wilson Creek is approximately 3,000 feet. The lateral extent, along the topographic slope, is bounded by a perennial tributary to Wilson Creek located approximately 4,000 feet west of the Site and Coronaca Creek located approximately 6,100 feet east of the Site. However, if the upward hydraulic gradients measured at wells MW-5D and MW-9D are due to groundwater discharging to the UT

located east of the Site, the location of the eastern boundary of the groundwater compartment is reduced to only 500 feet from the Site.

6.0 NATURE AND EXTENT OF CONTAMINATION

This section describes the nature and extent of contamination detected in soil, groundwater and indoor air at the Site. The data presented in this section and the associated discussion include results from previous phases of investigation at the Site completed by URS in 2011 and 2012 (URS, 2012a; URS, 2012b; URS, 2012c; URS, 2012d). The soil and groundwater samples collected during the RI were analyzed by SES in accordance with the methods described in the quality assurance project plan (QAPP) (URS, 2013a). The executive summaries and chain of custodies from the laboratory reports for the samples collected during the RI are included in Appendix I.

Data collected during the RI were validated in accordance with the procedures outlined in the QAPP (URS, 2013a). Data quality review memoranda are included in Appendix C. Soil and groundwater analytical results of constituents detected during the RI and previous phases of investigation are summarized in Tables 6, 7 and 8. Indoor air quality results are summarized in Table 9. The results presented in these tables include data qualifiers added during the data quality review. As described in more detail in the data quality review memoranda, the data as qualified are considered useable for meeting project objectives.

6.1 Chemicals of Concern (COCs)

This section identifies the screening criteria for COCs that have been detected during RI activities and previous phases of investigation at the Site. Analytical results for VOC and PAH analyses were compared to the preliminary screening levels (PSLs) for soil, groundwater and air. The PSLs, developed as part of the RI Work Plan, consider potentially applicable pathways including direct contact (i.e., ingestion, dermal contact, and inhalation) and cross-media transfer pathways (i.e., leaching to groundwater) and different land use scenarios (i.e., residential and industrial). VOCs and PAHs that exceed the PSLs are considered to be COCs at the Site. COCs are listed in Table 10.

The PSLs are based on the EPA's Region IV Regional Screening Levels (RSLs) (EPA, 2014) and risk-based screening levels (RBSLs) developed by SCDHEC (2001). PSLs for soil,

groundwater and indoor air are included in Table 10. Results from RI and previous investigations are described in the context of these screening levels later in this section of the RI Report.

6.1.1 Soil

Three potentially applicable SSLs are included in the EPA RSLs: 1) MCL-based for Protection of Groundwater SSLs; 2) Resident Soil SSLs; and 3) Industrial Soil SSLs (EPA, 2014). Other potentially applicable screening levels are the RBSLs listed in the SCDHEC's Risk-Based Corrective Action (RBCA) guidance document (SCDHEC, 2001). The COCs that have been identified in soil at the Site are:

- PCE
- TCE
- cDCE
- 1,1-Dichloroethene
- 1,1,2-Trichloroethane
- Dibromochloromethane
- Methylene Chloride
- Naphthalene
- Ethylbenzene
- Xylenes
- Benzo(a)pyrene
- Benzo(b)fluoranthene

6.1.2 Groundwater

The screening levels for groundwater are based on the EPA's Region IV MCLs, which are based on National Primary Drinking Water Standards (EPA, 2014) and the RBSLs, established by SCDHEC and listed in the RBCA guidance document (SCDHEC, 2001). The COCs that have been identified in groundwater are:

- PCE
- TCE
- cDCE
- Benzene
- Naphthalene
- 1,2-Dichloropropane
- Vinyl Chloride

6.1.3 Indoor Air

Screening levels for indoor air are based on the EPA's Region IV industrial air criteria (EPA, 2014). The COCs that have been identified in the indoor air are:

- PCE
- TCE

6.2 Soil

Soil samples were collected from four suspected source areas referred to as:

- the steel sump area located on the southeast side of the Building;
- the cardboard storage room area located on the east side of the Building;
- the former UST and gasoline dispenser area located on the northeast side of the Building, north of the cardboard storage room area; and
- the debris pile area located in the wooded area approximately 500 feet east of the Building.

These areas are used primarily for the purpose of describing the location of the detected COCs and do not necessarily indicate that the referenced feature (i.e., sump, storage room, former UST or debris pile) is the source of the release detected in these areas. Soil samples were also collected during the installation of groundwater monitoring wells MW-12 through MW-18, MW-5D, MW-9D, MW-10D and MW-16D to assess concentrations of VOCs in soils at these locations.

6.2.1 Steel Sump

Eighteen (18) soil samples were collected during previous investigations of the steel sump area from various depths at eight boring locations and analyzed for VOCs. PCE was detected in all collected samples and exceeded the protection of groundwater SSL of 0.0023 mg/kg. The objective of the RI borings in this area, therefore, was to further delineate the horizontal and vertical extent of VOCs in soil in the steel sump area above the water table.

Surface soil samples (0-1') were collected at boring locations SB-19, SB-20, SB-21, SB-22, SB-25 and SB-26 in the steel sump area. Subsurface soil samples were collected from soil boring locations SB-19 through SB-36. All soil analytical results for COCs detected during the RI and previous investigations are summarized in Table 6. PCE results for the steel sump area are depicted on Figure 16.

A total of 54 soil samples were analyzed from varying depth intervals within the steel sump area. PCE was detected in all soil samples collected as part of the RI within the steel sump area with the exception of SB-27 (7-8'), SB-30 (6-7'), SB-32 (7-8') and SB-36 (5-6'). Forty-three (43) of the samples exceeded the protection of groundwater SSL of 0.0023 mg/kg for PCE. Six samples exceeded the resident soil SSL of 8.1 mg/kg for PCE, and one sample exceeded the industrial soil RSL of 39 mg/kg for PCE. Additional VOCs detected in soil samples collected from the steel sump source area and exceeded applicable screening criteria included 1,1-dichloroethene, 1,1,2-trichloroethane and TCE. The constituent 1,1-dichloroethene exceeded the protection of groundwater SSL of 0.0025 mg/kg with a concentration of 0.0042 mg/kg at SB-19 (0-1'). The constituent 1,1,2-trichloroethane exceeded the protection of groundwater SSL of 0.0011 mg/kg at sample locations SB-25 (27-28'), SB-28 (29-30'), SB-29 (22-23') and SB-29 (27-28') with concentrations of 0.0013 mg/kg, 0.0015 mg/kg, 0.0099 mg/kg and 0.015 mg/kg, respectively. Finally, TCE exceeded the protection of groundwater SSL of 0.0018 mg/kg at sample location SB-29 (27-28') with a concentration of 0.0039 mg/kg.

6.2.2 Cardboard Storage Room Area

Thirteen (13) soil samples were collected from various depths at seven (7) boring locations in the cardboard storage room area during previous investigations. PCE was detected in nine (9) of the collected samples and exceeded the protection of groundwater SSL of 0.0023 mg/kg. The objective of the RI investigation in this area, therefore, was to further delineate the horizontal and vertical extent of VOCs in soil in the cardboard storage room and vicinity above the water table.

Surface soil samples (0-1') were collected at boring locations SB-38, SB-45, SB-47, SB-50 and MW-17. Subsurface soil samples were collected from soil boring locations SB-37 through SB-53. All soil analytical results from the RI investigation and previous investigations are summarized in Table 6. PCE results for the cardboard storage room area are depicted on Figure 17 and naphthalene results are depicted on Figure 18.

A total of 49 soil samples were analyzed from varying depth intervals within the cardboard storage room and vicinity. Thirty-eight (38) of the samples exceeded the protection of groundwater SSL of 0.0023 mg/kg for PCE. Fourteen (14) samples exceeded the resident soil RSL of 8.1 mg/kg for PCE, and eleven (11) samples were either equal to or exceeded the industrial soil RSL of 39 mg/kg for PCE.

Additional VOCs detected included cDCE, ethylbenzene, isopropylbenzene, methyl acetate, methylcyclohexane, methylene chloride and TCE. Ethylbenzene exceeded the protection of groundwater SSL of 0.78 mg/kg with a concentration of 1.3 mg/kg at SB-43 (19-20'), methylene chloride exceeded the protection of groundwater SSL of 0.0013 mg/kg with a concentration of 46 mg/kg at SB-45 (21-22') and xylenes exceeded the protection of groundwater SSL of 9.8 mg/kg with a concentration of 10 mg/kg at SB-39 (22-23').

PAHs were detected in numerous soil samples collected from the cardboard storage room area. Naphthalene was the only PAH constituent to exceed PSLs. Naphthalene exceeded the RBSL of 0.036 mg/kg at 12 sample locations and the resident soil RSL of 3.8 mg/kg at three sample locations.

6.2.3 Former UST and Gasoline Dispenser Area

Six soil samples were collected during previous investigations of the former UST and gasoline dispenser area from various depths at three boring locations and analyzed for VOCs. Previous investigations of the former UST and gasoline dispenser did not detect any VOCs. However, naphthalene exceeded the RBSL of 0.036 mg/kg and the resident soil RSL of 3.8 mg/kg at SB-2 at the depths of 8-10 feet and 14-16 feet with concentrations of 8.5 mg/kg and 5.3 mg/kg, respectively. Due to the historic presence of USTs and a gasoline dispenser in this area, additional boring locations were included in the RI Work Plan to further assess the extent of naphthalene and determine if VOCs are indeed present in this suspected source area.

Surface soil samples (0-1 foot) were collected at boring locations SB-56 and SB-57. Subsurface soil samples were collected from soil boring locations SB-54 through SB-58. The surface and subsurface soil samples were analyzed for VOCs and PAHs. All soil analytical results from the RI investigation and previous investigations are summarized in Table 6. PCE results for the former UST and gasoline dispenser area are depicted on Figure 17 and naphthalene results are depicted on Figure 18.

A total of 13 soil samples were analyzed from varying depth intervals within the former UST and gasoline dispenser area. PCE was detected in four sample locations and three exceeded the protection of groundwater SSL of 0.0023 mg/kg at SB-55 (11-12'), SB-55 (24-25') and SB-56 (13-14') with concentrations of 0.051 mg/kg, 0.038 mg/kg and 0.042 mg/kg, respectively. Additional VOCs detected included ethylbenzene, isopropylbenzene, methylcyclohexane and 1,1-dichloroethene. Ethylbenzene exceeded the protection of groundwater SSL of 0.78 mg/kg with a concentration of 2.2 mg/kg at SB-56 (28-29') and the concentration of 1,1-dichloroethene of 0.0028 mg/kg detected at SB-57 (0-1') exceeded the protection of groundwater SSL of 0.0025 mg/kg.

PAHs were detected in numerous soil samples collected from the former UST and gasoline dispenser area. Benzo(a)pyrene exceeded the resident soil RSL of 0.015 mg/kg at SB-54 (1-

2') at a concentration of 0.038 mg/kg and benzo(b) fluoranthene exceeded the RBSL of 0.066 mg/kg at the same location with a concentration of 0.075 mg/kg. Naphthalene exceeded the RBSL (0.036 mg/kg) and resident soil RSL (3.8 mg/kg) at sample locations SB-55 (24-25'), SB-56 (13-14') and SB-56 (28-29') with concentrations of 3.9 mg/kg, 8.1 mg/kg and 15 mg/kg, respectively.

6.2.4 Debris Pile

Subsurface soil samples were collected at boring locations SB-59 and SB-60 in the debris pile investigation area using a hand auger. The subsurface soil samples were analyzed for VOCs. Soil analytical results for the debris pile investigation area are summarized in Table 6 and on Figure 19.

PCE was detected in all four soil samples collected within the debris pile area and exceeded the protection of groundwater SSL of 0.0023 mg/kg. The detections included 0.035 mg/kg at SB-59 (2-3'); 0.035 mg/kg at SB-59 (3-4'); 0.0045 mg/kg at SB-60 (3-4') and 0.0034 mg/kg at SB-60 (4-5'). Additional VOCs detected included isopropylbenzene and xylenes. However, neither constituent exceeded PSLs.

6.2.5 Groundwater Monitoring Wells

Surface soil samples (0-1') were collected at monitoring well locations MW-12, MW-17 and MW-9D. Subsurface soil samples were collected from monitoring well locations MW-12 through MW-18, MW-5D, MW-9D, MW-10D and MW-16D. All surface and subsurface soil samples were analyzed for VOCs. Wells MW-13, MW-14, MW-15, MW-18 and MW-5D were also sampled in the saturated and unsaturated zone for TOC using the Walkley-Black method. Soil analytical results for the monitoring wells are summarized in Table 6 and on Figure 20.

A total of 24 soil samples were analyzed from varying depth intervals from the monitoring well locations and analyzed for VOCs. PCE was detected in all sample locations with the exception of MW-18 (12-13'). Twelve of the samples exceeded the protection of groundwater SSL of 0.0023 mg/kg for PCE. No other VOCs were detected in the soil

samples collected from the monitoring well locations. TOC was detected at locations MW-13 (36-37'), MW-15 (7-8') and MW-9D (15-16') at concentrations of 39 mg/kg, 390 mg/kg and 40 mg/kg, respectively.

6.3 Groundwater

Previous groundwater investigations detected several VOCs, with PCE being the primary COC. Groundwater sampling events conducted in April 2012 and August 2012 of monitoring wells MW-1 through MW-11 indicated PCE concentrations exceeded the MCL of 5 µg/L in several wells. Historical groundwater data is included for information purposes on Table 7. The objective of the RI investigation was to further delineate the horizontal and vertical extent of COCs in groundwater. Groundwater samples collected from all wells were analyzed for VOCs and samples from select wells, primarily in the cardboard storage and former UST area, were also analyzed for PAHs.

For the RI, groundwater samples were collected from monitoring wells MW-1 through MW-18 and MW-5D, MW-9D, MW-10D and MW-16D. All samples were analyzed for VOCs and samples from wells MW-1 through MW-6, MW-12, MW-17, MW-18 and MW-5D were also analyzed for PAHs. Groundwater analytical results are summarized in Table 8 and on Figures 21 and 22.

VOCs were detected in all 22 groundwater monitoring wells sampled. Detected compounds included PCE, TCE, cDCE, benzene, vinyl chloride (VC) and 1,2-dichloropropane. Concentrations of PCE exceeding the EPA MCL of 5 µg/l were detected in wells MW-3 (21 µg/L), MW-5 (3,700 µg/L), MW-6 (14,000 µg/L), MW-7 (97,000 µg/L), MW-8 (21,000 µg/L), MW-10 (1,500 µg/L), MW-11 (37 µg/L), MW-12 (4,500 µg/L), MW-14 (78 µg/L), MW-16 (160 µg/L), MW-5D (190 µg/L)and MW-16D (18 µg/L). The detected TCE concentration of 15 µg/L at MW-3 exceeded the MCL of 5 µg/L. The detected cDCE concentration of 440 µg/L at MW-3 exceeded the MCL of 70 µg/L. Benzene was detected in MW-2 at a concentration of 17 µg/L, which exceeded the MCL of 5 µg/L. VC was detected in MW-5 at a concentration of 38 µg/L, which exceeded the MCL of 2 µg/L, and 1,2-

dichloropropane was detected at MW-2 at a concentration of 11 µg/L, which exceeded the MCL of 5 µg/L.

PAHs were detected at wells MW-2, MW-3 MW-4, MW-12, MW-17, MW-18 and MW-5D. The only PAH constituent that exceeded a PSL was naphthalene at MW-3. The concentration of 200 µg/L exceeded the RBSL of 25 µg/L. There is no established MCL for naphthalene.

6.4 Indoor Air

Indoor and ambient air samples were collected at the Site on two separate occasions. The first sampling event was a "closed door" scenario on March 22, 2012 to determine if constituents in the subsurface were creating indoor air quality issues. The second sampling event was an "open door" scenario conducted on April 11, 2012. Results from the two air sampling events are included for informational purposes in Table 9. All air samples were analyzed for PCE, TCE, cDCE, VC and trans-1,2-dichloroethene. All results were below the PSLs with the exception of PCE and TCE at sample location IA-4, located inside the cardboard storage room, during the "closed door" event on March 22, 2012. The industrial air RSL is 47 micrograms per cubic meter (µg/m^3) for PCE and 3 µg/m^3 for TCE. Results from the March 2012 event included a concentration of 94 µg/m^3 for PCE and 7.6 µg/m^3 for TCE.

Following the air sampling events conducted by URS, Itron procured the services of Gerald Beaumont (CIH) of Simpsonville, South Carolina to conduct a follow-up air sampling event on May 2, 2012. The sampling standards took into account the Occupational Health and Safety Administration (OSHA) permissible exposure limit (PEL) as a legal limit not to be exceeded for an 8-hour time weighted average (TWA). Additional details regarding the sampling event are included in Appendix K.

The results of the personnel air monitoring conducted by the CIH indicated that there was no measurable exposure to COCs and that measuring limits were well below OSHA PELs.

7.0 CONCEPTUAL SITE MODEL

This section presents a CSM that describes the known releases that have occurred at the Site, subsurface conditions, contaminant distribution and transport mechanisms. Potential receptors and exposure pathways are briefly discussed.

7.1 Human Population and Land Use

The Site is primarily industrial and contains the main facility, parking lot, herbaceous lawn, and forested areas (Figure 2). The Site is bounded to the north by Emerald Road and to the east by Parkland Place Road. To the north and west of the Site, land use is dominated by herbaceous fields and forested areas with scattered single-family residences. To the south and east of the Site, land use is dominated by single-family residential development (i.e., Country Homes and Spring Valley subdivisions).

The Site is zoned I-1 (Light Industrial), according to the Greenwood County website. Adjacent properties to the north of the Site are zoned AG-1 (Agricultural). Adjacent properties to the east, south, and west of the Site are zoned R-3 (Single-Family Residential).

A water well survey detailing the location of parcels likely operating water supply wells within a 2,500-foot radius of the Site was conducted by URS personnel during the RI. The survey is included as Appendix L of this report. In summary, nine parcels within the search radius do not have active accounts with the Greenwood Commissioners of Public Works (CPW) as of August 14, 2014 for water service, thus making it likely these residents use wells as their primary household water supply. All of the parcels identified by the CPW are located upgradient of the Site, with the exception of two, which are located cross-gradient and approximately 650 feet southwest and 800 feet west of source well MW-7 on the Site. A windshield survey of the search area on September 8, 2014 confirmed six wells, five of which are upgradient, and one crossgradient well on the parcel located approximately 800 feet west of the source area, as shown on Figure 2.

7.2 Potential Source Areas and Releases

Historic operations at the Site reportedly used PCE for cleaning paint guns. Part washing

was also reportedly conducted and may have included the use of solvents. In addition, several USTs were formerly located along the exterior of the northeast side of the Building. Based on the results of this RI and data from previous investigations, the following three source areas associated with the former solvent usage and the USTs have been identified:

- **Steel Sump Area** - PCE was detected in the soil during a previous investigation at monitoring well MW-7 at a concentration of 62 mg/kg at 2 feet bgs and at a concentration of 97,000 µg/L in a groundwater sample from MW-7 collected in June 2014. A soil boring (SB-26) was located approximately 12 feet to the southeast of MW-7 during the RI, and PCE was detected at a concentration of 2,600 mg/kg at a depth of 2-3 feet bgs. The shallow depth of the soil contamination indicates well MW-7 is located in the source area and probably near a release point. Releases in the vicinity of MW-7 may be related to discharges to the nearby sumps and/or potentially discharges of spent solvents directly onto the ground.
- **Cardboard Storage Room Area** - PCE was detected in the soil during a previous investigation at concentrations of 5.4 mg/kg (0-2') and 6.8 mg/kg (8-10' feet) in boring SB-3 located inside the cardboard storage room on the east side of the Building. In addition, PCE was detected at 8.3 mg/kg in nearby boring SB-14 at 1 foot bgs and at concentrations exceeding 7 mg/kg in samples from borings SB-14 and SB-15 at depths between 22 and 24 feet bgs. During the RI investigation, PCE was detected at SB-43 outside the northwest corner of the cardboard storage room at the following concentrations and depths of 32 mg/kg (7-8'); 71 mg/kg (10-11') and 61 mg/kg (19-20'). PCE was detected at SB-45 beneath the floor slab in the center of the cardboard storage room at the following concentrations and depths: 18 mg/kg (0-1'); 1,300 mg/kg (3-4'); 6,300 mg/kg (15-16') and 7,300 mg/kg (21-22'). PCE was also detected at SB-46 beneath the floor slab near the southeast corner of the cardboard storage room at the following concentrations and depths: 330 mg/kg (3-4'); 1,700 mg/kg (15-16') and 2,900 mg/kg (25-26'). The relatively high concentrations of PCE in near surface soil indicate that releases occurred close

to borings SB-3, SB-14, SB-43, SB-45 and SB-46.

Site personnel indicated the cardboard storage room was constructed in 1987. Thus, COCs detected in this area are likely related to the release(s) of spent solvents directly onto the ground where the cardboard storage room is currently located. DNAPL was not evident in the soil during field screening using hydrophobic dye testing.

The high concentrations of PCE in the soil appear to be contributing to elevated concentrations of the constituent in monitoring wells MW-5 (3,700 µg/L), MW-6 (14,000 µg/L), MW-8 (21,000 µg/L), and MW-12 (4,500 µg/L), which are located east and southeast (i.e., hydraulically downgradient) of the cardboard storage room.

- **Former UST and Gasoline Dispenser Area** – Previous investigations indicated that petroleum hydrocarbons, including benzene, naphthalene and xylenes, have been detected in soil and/or groundwater in the area located on the northeast side of the Building. A source of these contaminants appears to have been a previous gasoline dispenser and gasoline UST that was located in the vicinity of boring SB-2, where naphthalene was detected in the soil at concentrations of up to 8.5 mg/kg. The dispenser and UST were reportedly removed in 1987. At least three other USTs, which contained No. 2 fuel oil and Mineral Spirits 66, were also removed and are potential sources of the detected petroleum hydrocarbons, including naphthalene. Naphthalene was detected in groundwater at temporary monitoring wells GW-5, GW-6, GW-7 and GW-9, at concentrations of 210 µg/l, 230 µg/l, 170 µg/l and 27 µg/l, respectively.

  Naphthalene was detected at SB-55 at a concentration and depth of 3.9 mg/kg (24-25') and at SB-56 at the following concentrations and depths of 8.1 mg/kg (13-14') and 15 mg/kg (28-29'). Naphthalene was also detected beneath the cardboard storage room in samples from SB-45 at concentrations of 5.9 mg/kg (15-16') and 7.7 mg/kg (21 – 22'). The elevated concentrations of naphthalene reported in these

borings are consistent with a release from the former gasoline dispenser or USTs in this area and detections of the constituent in monitoring well MW-3 (200 µg/L).

Other historical releases were discussed in the RI Work Plan and are summarized in Table 1. These incidents appear to have been adequately addressed and appropriately remediated, and no further action related to these incidents is required.

7.3 Contaminant Fate

Physical, chemical and biological transformations of contaminants can occur in the environment. These transformations may result in the formation of contaminants that were not present in the original release and pose additional risks not easily recognized or contribute to the overall attenuation process of the contaminants. Information pertaining to the fate of the PCE and naphthalene is presented below. Information published by the United States Department of Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) and the USEPA are significant sources of the information provided in this section.

PCE is a commercially important chlorinated hydrocarbon solvent and chemical intermediate. It has been used as a dry-cleaning and textile processing solvent, as an intermediate product in chemical manufacturing, and as a vapor and liquid degreasing agent in metal-cleaning operations. PCE was first commercially produced in the United States in 1925 and saw extensive use from the 1940s through the 1980s. PCE use has decreased since the 1980s due to greater efficiencies in the industrial processes where it is used, concerns over environmental impacts and the availability of alternative solvents (ATDSR, 1997).

PCE is widely distributed in the environment. It is released to the environment from industrial processes and from building and consumer products. Releases are primarily to the atmosphere, but PCE is also released to surface water and land in sewage sludge and in other liquid and solid waste, where its high vapor pressure and Henry's law constant usually result in its rapid volatilization to the atmosphere. PCE has relatively low solubility

in water and has medium-to-high mobility in soil, thus its residence time in surface environments is not expected to be more than a few days. However, it persists in the atmosphere for several months and may also persist in groundwater for several years or more (ATDSR, 1997).

The dominant transformation process for PCE in the atmosphere is a reaction with photochemically produced hydroxyl radicals. The reaction of volatile chlorinated hydrocarbons with hydroxyl radicals is temperature dependent and thus is expected to proceed more rapidly in the summer months. The degradation products of this reaction include phosgene, chloroacetylchlorides, formic acid, carbon monoxide, carbon tetrachloride and hydrochloric acid (ATDSR, 1997).

PCE does not readily transform in water. Photolysis does not contribute substantially to the transformation of PCE and chemical hydrolysis appears to occur only at elevated temperatures in a high pH (9.2) environment, and even then, at a very slow rate. In natural waters, biodegradation may also contribute to the transformation of PCE. However, because neither biodegradation nor hydrolysis occurs at a rapid rate, most PCE present in surface water is expected to volatilize into the atmosphere (ATDSR, 1997).

Biodegradation of PCE occurs in groundwater under anaerobic conditions, through the process of reductive dechlorination. Microbial degradation products of PCE in groundwater include TCE, and small amounts of cDCE, trans-1,2-dichoroethene and VC.

Biodegradation of PCE in soil appears to only occur under specific conditions, and then only to a limited degree. Based on indirect evidence from soil associated with contaminated aquifers, PCE is probably degraded to some extent in anaerobic soil environments (ATDSR, 1997).

Naphthalene is present in gasoline, mineral spirits, diesel fuel and coal, and is generated when wood or tobacco is burned. Naphthalene is produced in commercial quantities from either coal tar or petroleum. Most of the naphthalene produced in the United States comes from petroleum by the dealkylation of methylnaphthalenes in the presence of hydrogen at

high temperature and pressure. Its production in the United States declined from 1968 to 1982; however, its import decreased and export increased from 1978 to 1989. The widespread use and production of naphthalene in the United States is evidenced by its presence in hazardous waste sites in at least 44 states (USEPA, 2003).

Naphthalene is released to the environment primarily to the air from residential combustion of wood and fossil fuels. Other residential sources of naphthalene include tobacco smoke and the vaporization of moth repellants. Naphthalene may also be released to the air during coal tar production and distillation, aeration processes in water treatment plants, and from use of naphthalene during chemical manufacturing (USEPA, 2003).

In instances when naphthalene enters surface water sources, it generally volatilizes into the air fairly quickly. Naphthalene that remains in surface water will be degraded through photolysis and biodegradation processes. Biodegradation of naphthalene occurs quite rapidly, although degradation time will vary with concentration of the chemical, water temperature and the availability of nutrients (USEPA, 2003).

Volatilization from soil surfaces and biodegradation are important processes for the removal of naphthalene from soil. Maximum biodegradation is reported to occur at a pH of 8 and in the presence of a positive redox potential. Naphthalene is degraded to carbon dioxide and salicylate by aerobic microorganisms. In addition, soil organic matter is an important factor in degradation time because adsorption of naphthalene to organic matter significantly decreases its bioavailability to microorganisms (USEPA, 2003).

7.4 Contaminant Transport

Contaminants associated with former operations at the Site, primarily PCE, appear to have been released at the surface and infiltrated into the subsurface. The PCE appears to have leached from the soil and migrated vertically into the underlying groundwater which generally occurs at depths between 20 and 30 feet bgs. Groundwater flows east and southeast across the Site. The PCE plume in groundwater extends at least 500 feet south and southeast of the source areas identified above.

Releases of petroleum hydrocarbons on the northeast side of the Building may have occurred at the surface or directly into the subsurface from leaks in the UST system. Contaminant transport mechanisms for the petroleum hydrocarbons are similar to those for PCE (e.g., migrate vertically through soil and then dissolved into groundwater), but there is no evidence that light non-aqueous phase liquid (LNAPL) is present in this area. In addition, the available data suggest that the extent of the source area is much smaller than for the PCE releases and the resulting impacts to groundwater appears to extend less than 300 feet downgradient of the source area, based on the absence of elevated levels of petroleum hydrocarbons in well MW-6.

Another potential transport mechanism at the Site is vapor phase transport. VOCs located in subsurface soils or in groundwater can volatilize, migrate through soil gas, and subsequently be transported into indoor spaces, potentially producing inhalation exposure. VOCs in soil gas will primarily migrate and spread out by vapor diffusion. Advective transport of VOC vapors is expected to occur near the ground surface as a result of atmospheric pressure variations and operation of heating, ventilation and air conditioning (HVAC) systems in buildings. A secondary spreading mechanism for VOCs in the vadose zone is the migration of soil moisture due to infiltration and ET.

Based on soil data collected during the RI and previous investigations, it appears vapor phase transport is responsible for many of the low level detections of PCE in the soil outside of the source areas. Personnel air monitoring inside the Building confirmed that

there was no measurable exposure to COCs and therefore, vapor intrusion into the building in not a transport mechanism at the Site.

A final potential transport mechanism at the Site is surface water runoff. Transport by surface water runoff, while possible, is unlikely to be significant due to the volatile nature of the COCs. In addition, the highest concentrations of PCE detected in Site soils are either beneath the cardboard storage room or at a depth of one foot or greater, thus making impacts from surface runoff highly unlikely.

8.0 CONCLUSIONS

Presented below are conclusions based on an evaluation of data collected during previous investigations and the recently conducted RI field activities.

8.1 PCE Sources

During interviews in 2007, Itron personnel reported that PCE was used as a cleaning solvent for paint guns in 1978. The quantity of PCE used and the storage, handling and disposal practices were not reported in 2007 and subsequent interviews in 2011 did not provide any additional information. PCE is present in soil and groundwater beneath the Building, northeast and southeast of the Building and south and east of these areas at concentrations significantly exceeding PSLs. PCE degradation products and other VOCs were occasionally detected at concentrations exceeding screening levels, but detections were generally collocated with areas of PCE impact.

The RI field activities did not detect any direct evidence of DNAPL at the Site.

8.1.1 Steel Sump Area

The steel sump area is located on the southeast side of the Building. Elevated concentrations of PCE ranging from approximately 5 to 2,600 mg/kg in near surface soil samples (0 to 3 feet bgs) collected from borings SB-25, SB-26 and MW-7 indicate that PCE was released in the steel sump area.

The steel sump area is unpaved and infiltration of precipitation in this area is expected to transport dissolved phase PCE to the water table. Elevated concentrations of PCE detected in soil samples collected at depths of up to 30 feet bgs (e.g., SB-22, SB-26, and SB-28) and in groundwater samples from well MW-7 (up to 97,000 µg/L), located approximately 5 feet to the east of the sump, confirm that the releases in this area reached the water table, which was encountered at a depth of between 26 and 27 feet bgs in this area. Concentrations of PCE increase with depth at many locations outside of the immediate vicinity of steel sump. For example, concentrations of PCE at depths of 27 to 29 feet bgs in borings SB-27, SB-28

and SB-29 and are approximately an order of magnitude higher than shallower samples from these borings. These depth intervals correspond to the approximate depth of the water table which suggests that these elevated concentrations of PCE are the result of dissolved phase transport via shallow groundwater followed by adsorption onto the soil.

8.1.2 Cardboard Storage Room Area

The cardboard storage room area is located on the northeast side of the Building. Elevated concentrations of PCE ranging from approximately 5.4 to 1,300 mg/kg in near surface soil samples (0 to 4 feet bgs) collected from borings SB-3, SB-14, SB-45, SB-46, SB-48, and SB-49 indicate that PCE was released at the surface in the cardboard storage room area. Concentrations of PCE increase significantly with depth at boring SB-45 and SB-46, where the highest concentrations of PCE (up to 7,300 mg/kg) at the Site were detected, and extended down to 26 feet bgs which corresponds to the approximate depth of the water table in this area. There is no documented storage of PCE inside the cardboard storage room or in this area. According to Site personnel, the cardboard storage room was constructed in 1987, and the releases in this area may predate construction of this building.

The cardboard storage room area is currently covered by buildings or covered walkways with concrete pads and sidewalks or gravel, and infiltration of precipitation in this area is expected to be limited. As a result, higher concentrations of PCE may persist in this area over a longer timeframe when compared to the steel sump area.

The groundwater quality in this source area has not been assessed, but given the elevated concentrations of PCE in soil, high concentrations of PCE, similar to those detected in wells MW-6, MW-7 and MW-8, may exist. Releases in this area appear to be the source of the elevated concentrations of PCE detected at MW-12 (4,500 µg/L) located approximately 150 feet to the east and MW-5 (3,700 µg/L) located approximately 350 feet to the southeast.

8.1.3 Main Building

Several potential source areas inside the Building (paint spray booth, production areas and a floor sump) were investigated and no apparently significant source was identified.

Concentrations of PCE in soil are generally several orders of magnitude below concentrations detected in the steel sump area and cardboard storage room area. The absence of a source beneath the Building is also supported by the relatively low concentrations of PCE in well MW-17 (75 µg/L). PCE detected in soil beneath the Building appears to be the result of dissolved phase and vapor phase migration through the vadose zone, and via dissolved phase advective transport in shallow groundwater.

8.1.4 Debris Pile

Relatively low concentrations of PCE (less than 0.04 mg/kg) were detected in the shallow soil samples collected near the drum located in the debris pile east of the Building and MW-4. These low concentrations are similar to other concentrations detected in the vadose zone soil throughout much of the investigated areas and appear to be attributable to the dissolution of PCE from groundwater into the vapor phase, followed by adsorption onto the soil in an area near or overlying the PCE plume in the shallow groundwater.

8.2 Petroleum Hydrocarbon Sources

Four USTs were removed from the subject property in 1987. The tanks included a 1,000-gallon gasoline tank, a 5,000-gallon No. 2 Fuel Oil tank, a 12,000-gallon No. 2 Fuel Oil tank, and a 12,000-gallon mineral spirits tank. The tanks were located on the northeast side of the Building. A gasoline dispenser was also located near the northeast corner of the Building. No soil samples were collected during the tank removal process.

Naphthalene was detected in soils beneath and adjacent to the locations of the former USTs and the dispenser island and beneath the cardboard storage room at concentrations exceeding PSLs. The highest naphthalene concentrations were detected near the former dispenser island, beneath the cardboard storage room and near the water table beneath and adjacent to the former USTs. Elevated concentrations of naphthalene were detected at a depth of up to 29 feet bgs at SB-56. Other fuel related constituents including ethylbenzene and xylenes have been detected at concentrations exceeding PSLs in soil near the location of the former USTs.

Similar to the distribution of PCE, naphthalene concentrations increase with depth at some locations with the highest concentrations detected near the water table at depths of approximately 23 to 25 feet bgs (e.g., SB-37, SB-40, SB-44, and SB-55). These elevated concentrations of naphthalene are most likely the result of lateral and vertical migration through the vadose zone or dissolved phase transport via shallow groundwater followed by adsorption onto the soil. Naphthalene and benzene were detected in well MW-3 located approximately 40 feet northeast of the cardboard storage room and in close proximity to the former USTs at concentrations above the PSLs. The naphthalene concentration was below the PSL and benzene was not detected in well MW-12, suggesting that the extent of petroleum hydrocarbons in groundwater is limited to the immediate vicinity of the tanks.

8.3 Hydrogeology

The groundwater table occurs at a depth of approximately 20 to 30 feet bgs within the upper portion of the saprolite, which primarily consists of silt and sandy silt. The high water table appears to have fluctuated as much as eight feet since monitoring wells were installed in 2012.

The Site is located along a ridge top and shallow groundwater east of the Building flows to the east, and south of the Building it flows to the southeast. Hydraulic conductivity may be higher parallel to the alignment of relict structures (foliation, bedding planes, fractures, and joints) within the saprolite that appear to be aligned northwest-southeast, which is consistent with the groundwater flow direction interpreted from water-level elevation contour maps. However, the configuration of the PCE plume suggests a more southerly or southwesterly flow direction than inferred from the groundwater elevation contours.

The hydraulic conductivity of the saprolite ranged from approximately 1.3E-05 to 4.1E-04 cm/sec based on the results of 11 slug tests. Groundwater is expected to preferentially move through the coarser and less weathered portions of the saprolite (e.g., silty sands and sandy silts). Groundwater within these more permeable zones may move at velocities of up to 170 feet per year.

Vertical hydraulic gradients were variable at the Site with downward gradients occurring in the central part of the facility, and upward gradients located farther east, which are possibly influenced by potential discharge of groundwater to the UT to Wilson Creek.

8.4 Contaminant Fate and Transport

Releases of PCE and naphthalene in the identified source areas, combined with the infiltration of precipitation, have resulted in the migration of these COCs downward through the soil and saprolite and into the shallow groundwater. On the eastern side of the Building, releases of PCE and naphthalene have migrated to the east and southeast toward the unnamed tributary of Wilson Creek. The naphthalene released from the UST system appears to attenuate naturally over relatively short distances, while releases at the cardboard storage room appear to migrate downgradient to wells MW-12 and MW-5; concentrations eventually degrade to levels below the PSL in well MW-13, approximately 500 feet to the southeast of the release. The release(s) at the steel sump area have migrated through shallow groundwater to the south, with elevated concentrations detected downgradient at well MW-10. Concentrations attenuate to levels below the PSL further downgradient at well MW-15 located approximately 600 feet downgradient of the steel sump area.

The relatively low permeability of the saprolite in combination with locally upward vertical hydraulic gradients appears to have limited the downward movement of PCE affected groundwater. This is evidenced by concentrations in deeper wells typically being 1 to 3 orders of magnitude less than the concentrations in their paired shallow wells. For example, the PCE concentration in shallow well MW-10 was 1,500 µg/L, while the concentration in the deeper paired well MW-10D was 1.8 µg/L.

PCE degradation products including TCE, cDCE, and VC were detected in 6 of the 18 shallow wells and 2 of the 4 deeper wells. The concentrations of the degradation products were generally two or more orders of magnitude less than the PCE concentrations, suggesting limited reductive dehalogenation, with the exception of well MW-3 where the

cDCE concentration was higher than the PCE concentration (and it should be noted that the PCE and naphthalene plumes are collocated at MW-3).

Low concentrations of PCE are widely detected in vadose zone soil overlying the PCE plume in the shallow water bearing zone. Beyond the immediate vicinity of the identified source areas, these low concentrations appear to be related to dissolution of the PCE in the shallow groundwater from the dissolved phase into the vapor phase and then adsorption onto the soil. Higher concentrations of PCE detected in soil below the water table, within the zone of water table fluctuation, or in capillary fringe are attributed to dissolved phase transport in the groundwater from the source areas.

8.5 Potential Receptors

The facility is provided municipal water and there is no water supply well on Site; therefore, there is no risk of groundwater ingestion by facility personnel.

Near surface soil contain concentrations of PCE exceeding both residential and industrial screening levels. Facility personnel and construction workers could potentially be exposed to soils containing elevated concentrations of PCE.

Following the air sampling events conducted by URS in March and April 2012, Itron procured the services of a CIH to conduct a follow-up air sampling event in May 2012. The results of the follow-up air sampling indicated that there was no measurable exposure to PCE, TCE or 1,2-dichloroethene during normal operations at the facility, at measuring limits well below the OSHA PELs.

The relatively low PCE concentrations detected downgradient of the source areas in wells MW-9, MW-13 and MW-15 suggest that PCE in groundwater has not migrated offsite. In addition, nearby residents are provided municipal water. Therefore, off-site receptors do not appear to be at significant risk of exposure to PCE given the depth to groundwater and the low concentrations detected near the property boundary.

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Tables

Table 1 - Previous Investigations

Itron, Inc.,
Greenwood, South Carolina

Previous Investigation	Date	Investigation Activities and Qualitative Results
Phase I Environmental Site Assessment (ESA)	December 2011	A Phase I ESA was performed using readily available information to identify Recognized Environmental Conditions (RECs). The ESA included a reconnaissance of the site, a drive-by survey of the surrounding area, review of company records and publicly available information, and interviews with plant personnel and representatives of regulatory and other public agencies. URS reviewed information in the radius map report provided by Environmental Data Resources (EDR), a previous Phase I ESA conducted by URS France in 2007, a UST removal report from Jones & Frank of Greenville, South Carolina documenting removal of four (4) USTs in September 1987 and a hazardous material spill incident report from Actaris US Liquid Measurement from January 31, 2004. <u>Three RECs were identified:</u> 1) Four former petroleum USTs that were removed from the northeast side of the plant building in 1987. 2) An oil-water separator (OWS) and associated piping located near the southwest corner of the plant building. 3) An area near the paint booth where facility personnel reportedly used tetrachloroethene (PCE) to clean paint guns in 1978. Based on these findings, a Phase II ESA was recommended. <u>Four Historic RECs were identified:</u> 1) Leaking Underground Storage Tank (LUST) incident reported August 28, 2009. 2) A 10-gallon waste oil/coolant release on July 17, 1992. 3) A spill of approximately 13 gallons of mineral spirits outside the test room on the east side of the building on April 29, 2009. 4) A spill of approximately 5,162 gallons of mineral spirits 66 in a test room on site on January 31, 2004. The Historic RECs appear to have all been resolved with the appropriate agencies.

Previous Investigation	Date	Investigation Activities and Qualitative Results
Phase II Environmental Site Assessment	January 2012	A Phase II ESA was performed to address the RECs identified during the Phase I ESA to determine if soil and groundwater had been affected by historic activities at the site. The Phase II ESA included collecting 19 soil samples from 11 borings and collecting a groundwater sample from each of nine temporary monitoring wells. PCE was detected in soil and groundwater along the eastern, southeastern and northeastern sides of the plant building. Trichloroethene (TCE) and cis-1,2-dichloroethene (cDCE), degradation products of PCE, were also detected in the soil at concentrations exceeding preliminary screening levels. Benzene and naphthalene were detected in soil and/or groundwater near the former location of the USTs at concentrations exceeding preliminary screening levels. No impacts to soil and groundwater were detected near the OWS. Based on the results on the southeastern, eastern and northeastern sides of the plant building, further assessment of soil and groundwater was recommended.
Soil & Groundwater Site Assessment	March – April 2012	Soil and groundwater were sampled to assess the sources and extent of PCE in soil and shallow groundwater. The assessment included screening soil and groundwater with a membrane interface probe (MIP), soil borings, installing monitoring wells, and collecting and analyzing soil and groundwater samples. Eleven soil borings were advanced and 23 soil samples were collected. Eleven monitoring wells were installed and sampled. Two potential source areas of PCE were identified: one along the northeast side of the plant building near boring SB-3 and the other near the steel sump located on the southeast side of the plant building. The distribution of PCE in groundwater was partially delineated and found to extend at least 400 feet southeast of the suspected source areas. In addition, benzene was detected in groundwater along the northeast side of plant building at concentrations exceeding preliminary screening levels. Based on the results, further characterization was recommended.
Indoor Air Quality Investigation	March – April 2012	Indoor air quality samples were collected from the plant building during closed door and open door testing events. PCE and TCE exceeded screening levels at one location during the closed door test. No screening levels were exceeded during the open door test. Subsequent testing was performed by fitting employees with individual sampling devices. Based on these results, no further measures related to indoor air quality were considered necessary.
Groundwater Sampling	August 2012	Groundwater samples were collected from the 11 monitoring wells to confirm the results of sampling performed in April. Results were comparable with PCE, cDCE, and benzene being reported at concentrations above preliminary screening levels.

Table 2
Chronological Summary of Remedial Investigation Field Activities

Itron, Inc.,
Greenwood, South Carolina

Date	Task	Purpose
3/31/14 – 4/9/14	Locate underground utilities for all proposed soil boring and monitoring well locations and drain line investigation area.	Prevent damage to underground utilities and avoid injury to personnel working onsite.
	Construct temporary fence with blinder material near Northeast corner of the building and build secondary containment area.	Provide area to stage Investigative Derived Waste (IDW) from remedial investigation activities.
	Use backhoe to investigate drain line potentially connected to steel sump located near the southeast corner of the building.	Determine if the drain line is indeed connected to the steel sump, and if so, where it leads.
	Use direct-push technology (DPT) to collect soil samples from various depths at sample locations SB-22 through SB-58, located northeast and southeast of the plant building. Screen soil samples for volatile organic vapor using a Photo-ionization detector (PID). Use dye-shake testing to screen all soil samples exhibiting PID readings greater than 100 ppm for dense non-aqueous phase liquid (DNAPL). Containerize soil cuttings.	Classify soils and determine the nature and extent of contaminants in the suspected source areas, including the steel sump on the southeast side of the building, the cardboard, storage room on the east side of the building and the former underground storage tank (UST) area on the northeast corner of the building.
5/10/14	Use DPT to collect soil samples from various depths at sample locations SB-19, SB-20, SB-21 and SB-57 at locations inside the plant building. Screen soil samples for volatile organic vapor using a PID. Use dye-shake testing to screen all soil samples exhibiting PID readings greater than 100 ppm for DNAPL. Containerize soil cuttings.	Classify soils and determine the nature and extent of VOC contaminants beneath the plant building.
	Install monitoring well MW-17 using auger- equipped drill rig. Use DPT prior to well installation to advance macro-core sleeves to total depth of borehole. Containerize soil cuttings.	Classify soils and determine the nature and extent of contaminants in soil and groundwater beneath plant building.

Table 2
Chronological Summary of Remedial Investigation Field Activities

Itron, Inc.,
Greenwood, South Carolina

Date	Task	Purpose
5/12/14 – 5/16/14	Install monitoring wells MW-12 through MW-16, MW-18, MW-5D, MW-9D, MW-10D and MW-16D using a sonic drill rig. Screen soil samples for volatile organic vapor using a PID. Use dye-shake testing to screen all soil samples exhibiting PID readings greater than 100 ppm for DNAPL. Collect soil samples from various depths for laboratory analysis. Containerize soil cuttings and water/fluids used during the drilling process.	Classify soils, assess hydrogeologic conditions and further delineate the nature and extent of contaminants across the site.
	Two drums of investigation-derived waste (IDW) soil generated during field activities in April 2014 were picked up and transported offsite for disposal.	Document proper disposal of IDW generated during Remedial Investigation.
5/19/14 – 5/22/14	Develop monitoring wells MW-12 through MW-18, MW-5D, MW-9D, MW-10D and MW-16D.	Remove a sufficient amount of water to flush the filter pack in each well and allow proper groundwater movement into the wells.
	Collect soil samples from SB-59 and SB-60 in debris pile area. Screen soil samples for volatile organic vapor using a PID. Use dye-shake testing to screen all soil samples exhibiting PID readings greater than 100 ppm for DNAPL and submit to laboratory for analysis.	Determine the nature and extent of VOC constituents in the vicinity of the partially buried drum located in a debris pile in the wooded area southeast of the building.
	Site restoration.	Return site to pre-field activity conditions.
6/4/14 – 6/5/14	Measure water levels and collect groundwater samples from all monitoring wells (MW-1 through MW-18, MW-5D, MW-9D, MW-10D and MW-16D).	Obtain data to prepare potentiometric surface contour maps and calculate vertical gradients as well as determine groundwater quality conditions across the site.
	Measure wells suspected of containing DNAPL with an interface probe, including MW-6, MW-7, MW-8, and MW-10.	Determine if DNAPL is present in any the monitoring wells exhibiting high concentrations of PCE.
	Conduct survey of all newly installed monitoring wells onsite including MW-12 through MW-18, MW-5D, MW-9D, MW-10D and MW-16D.	Determine top of casing and ground surface elevations and horizontal coordinates for all newly installed monitoring wells.
6/25/14 – 6/26/14	Conduct slug tests on wells MW-3, MW-6 MW-8, MW-9, MW-11, MW-12, MW-14, MW-18, MW-5D, MW-9D and MW-16D.	Determine the horizontal hydraulic conductivity across the site.

Table 2
Chronological Summary of Remedial Investigation Field Activities

Itron, Inc.,
Greenwood, South Carolina

Date	Task	Purpose
7/22/14 – 7/24/14	Fifty (50) drums of IDW (e.g., soil cuttings, purge water, development water, and decontamination fluids) generated during field activities in May and June 2014 were picked up and transported offsite for disposal.	Document proper disposal of IDW generated during Remedial Investigation.

Table 3
Groundwater Monitoring Well Construction Details and Elevations
June 2014

Itron, Inc.
Greenwood, South Carolina

Monitoring Well	Well Diameter	Depth of Well	Screen Length	Screen Interval	Top of Well Casing Elevation	Ground Surface Elevation	Screen Interval Elevation	6/4/2014		Coordinates	
								Depth to Water	Groundwater Elevation		
	inches	feet bgs	feet	feet bgs	feet above msl	feet above msl	feet above msl	feet below toc	feet above msl	Northing	Easting
MW-1	2	31.5	10	21.5 - 31.5	557.74	558.15	526.6 - 536.6	22.08	535.66	869224.644	1667988.237
MW-2	2	34.8	10	24.8 - 34.8	562.30	562.62	527.8 - 537.8	28.63	533.67	869207.038	1668204.679
MW-3	2	47.0	10	37.0 - 47.0	561.84	562.14	515.1 - 525.1	27.80	534.04	869104.002	1668261.237
MW-4	2	46.8	10	36.8 - 46.8	558.86	555.46	508.6 - 518.6	27.90	530.96	868958.364	1668477.977
MW-5	2	47.9	10	37.9 - 47.9	552.86	549.36	501.4 - 511.4	25.99	526.87	868892.212	1668553.549
MW-6	2	38.0	10	28.0 - 38.0	559.43	559.71	521.7 - 531.7	25.33	534.10	868936.457	1668319.405
MW-7	2	37.4	10	27.4 - 37.4	560.33	560.62	523.2 - 533.2	26.12	534.21	868894.361	1668279.797
MW-8	2	55.6	10	45.6 - 55.6	557.19	557.55	501.9 - 511.9	25.18	532.01	868870.317	1668410.386
MW-9	2	52.3	10	42.3 - 52.3	553.65	553.90	501.6 - 511.6	33.35	520.30	868681.764	1668650.676
MW-10	1	35.1	5	30.1 - 35.1	551.07	551.42	516.3 - 521.3	22.59	528.48	868593.655	1668484.530
MW-11	2	40.4	10	30.4 - 40.4	560.17	560.45	520.0 - 530.0	25.19	534.98	868712.965	1668117.285
MW-12	2	68.3	10	58.3 - 68.3	565.93	562.93	494.6 - 504.6	36.50	529.43	869049.750	1668419.153
MW-13	2	40.0	10	30.0 - 40.0	550.17	547.07	507.0 - 517.0	31.65	518.52	868815.677	1668779.111
MW-14	2	46.0	10	36.0 - 46.0	549.95	550.36	504.3 - 514.3	20.43	529.52	868458.767	1668332.200
MW-15	2	38.0	10	28.0 - 38.0	557.20	554.10	516.1 - 526.1	36.76	520.44	868370.465	1668655.810
MW-16	2	36.3	10	26.3 - 36.3	556.51	556.92	520.6 - 530.6	22.79	533.72	868782.253	1668386.285
MW-17	2	45.3	15	35.3 - 45.3	561.75	562.05	516.7 - 531.7	27.62	534.13	869005.623	1668192.860
MW-18	2	39.0	10	29.0 - 39.0	556.76	556.96	517.9 - 527.9	20.49	536.27	869009.841	1667664.807
MW-5D	2	74.0	5	69.0 - 74.0	554.14	551.24	477.2 - 482.2	27.21	526.93	868879.078	1668537.552
MW-9D	2	76.5	5	71.5 - 76.5	553.77	554.15	477.6 - 482.6	32.88	520.89	868671.574	1668643.253
MW-10D	2	76.0	5	71.0 - 76.0	550.85	549.95	473.9 - 478.9	24.93	525.92	868586.308	1668469.047
MW-16D	2	75.8	5	70.8 -75.8	556.78	557.25	481.4 - 486.4	26.30	530.48	868776.648	1668370.548

Notes:
1. bgs = below ground surface
2. msl = mean sea level
3. toc = top of casing
4. Product was not detected in any well.

Table 4
Hydraulic Conductivity Summary

Itron, Inc.
Greenwood, South Carolina

Well	Hydraulic Conductivity (cm/sec)		
	Rising Head Test	Falling Head Test	Average
MW-3	1.9E-05	2.6E-05	2.2E-05
MW-5D	--	1.3E-05	1.3E-05
MW-6	7.8E-05	8.2E-05	8.0E-05
MW-8	8.3E-05	1.1E-04	9.7E-05
MW-9	1.7E-05	1.7E-05	1.7E-05
MW-9D	9.0E-06	2.5E-05	1.7E-05
MW-11	1.3E-05	1.9E-05	1.6E-05
MW-12	1.8E-04	1.5E-04	1.6E-04
MW-14	2.9E-05	6.7E-05	4.8E-05
MW-16D	3.8E-04	4.4E-04	4.1E-04
MW-18	6.3E-05	5.2E-05	5.7E-05

Notes:
cm/sec = centimeters per second
-- No reading, data logger malfunction.

Table 5
Vertical Hydraulic Gradients

Itron, Inc.
Greenwood, South Carolina

Monitoring Well Pairs	Top of Well Casing Elevation	Ground Surface Elevation	Screen Length	Screen Interval	Screen Interval Elevation	Screen Interval Midpoint	Difference in Screen Midpoint (Shallow - Deep)	6/4/2014		Difference in Groundwater Elevation (Shallow - Deep)	Vertical Gradient
								Depth to Water	Groundwater Elevation		
	feet above msl	feet above msl	feet	feet bgs	feet above msl	feet above msl	feet above msl	feet below toc	feet above msl	feet above msl	feet / feet
MW-5	552.86	549.36	10	37.9 - 47.9	501.4 - 511.4	506.46	26.72	25.99	526.87	-0.06	-0.0022
MW-5D	554.14	551.24	5	69.0 - 74.0	477.2 - 482.2	479.74		27.21	526.93		
MW-9	553.65	553.90	10	42.3 - 52.3	501.6 - 511.6	506.60	26.45	33.35	520.30	-0.59	-0.0223
MW-9D	553.77	554.15	5	71.5 - 76.5	447.6 - 482.6	480.15		32.88	520.89		
MW-10	551.07	551.42	5	30.1 - 35.1	516.3 - 521.3	518.82	42.37	22.59	528.48	2.56	0.0604
MW-10D	550.85	549.95	5	71.0 - 76.0	473.9 - 478.9	476.45		24.93	525.92		
MW-16	556.51	556.92	10	26.3 - 36.3	520.6 - 530.6	525.62	41.67	22.79	533.72	3.24	0.0778
MW-16D	556.78	557.25	5	70.8 -75.8	481.4 - 486.4	483.95		26.30	530.48		

Notes:
1. bgs - below ground surface
2. msl - mean sea level
3. toc - top of casing

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet									
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5
					4-6'	20-22'	8-10'	14-16'	0-2'	8-10'	10-12'	18-20'	14-16'	18-20'
					1/10/2012	1/10/2012	1/10/2012	1/10/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012
Volatile Organic Compounds (EPA Method 8260)														
Acetone	NSL	6,100	67,000	NSL	<0.021	<0.028	<0.027	<0.023	0.024	0.24	<0.029	<0.033	0.038	0.062
Benzene	0.0026	1.2	5.1	0.007	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	<0.0061	<0.0064
Bromoform	0.021	67	290	NSL	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	<0.0061	<0.0064
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0052	<0.0071	<0.0069	<0.0059	**0.13**	<0.0065	<0.0072	<0.0082	0.011	0.02
trans-1,2-Dichloroethene	0.029	160	2,300	NSL	<0.0052	<0.0071	<0.0069	<0.0059	0.008	<0.0065	<0.0072	<0.0082	<0.0061	<0.0064
1,1,2-Trichloroethane	0.0016	0.15	0.63	NSL	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	<0.0061	<0.0064
Cyclohexane	NSL	650	2,700	NSL	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	0.022	0.048
Dibromochloromethane	0.021	0.73	3.2	NSL	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	<0.0061	<0.0064
Ethylbenzene	0.78	5.8	25	1.15	<0.0052	<0.0071	0.033	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	0.0071	0.014
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0052	<0.0071	*0.041*	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	*0.012*	*0.056*
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	*0.08*	*0.16*
Styrene	0.11	600	3,500	NSL	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	<0.0061	<0.0064
Xylenes (total)	9.8	58	250	14.5	<0.0052	<0.0071	0.16	0.011	<0.0056	<0.0065	<0.0072	<0.0082	0.055	0.11
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.010	<0.014	<0.014	<0.012	<0.011	0.082	<0.014	<0.016	0.012	0.022
2-Hexanone	NSL	20	130	NSL	<0.010	<0.014	0.032	<0.012	<0.011	0.016	<0.014	<0.016	<0.012	0.51
4-Methyl-2-pentanone	NSL	530	5,600	NSL	<0.010	<0.014	<0.014	<0.012	<0.011	<0.013	<0.014	<0.016	<0.012	<0.013
Toluene	0.69	490	4,700	1.45	<0.0052	<0.0071	<0.0069	<0.0059	<0.0056	<0.0065	<0.0072	<0.0082	<0.0061	0.0069
Tetrachloroethene	0.0023	8.1	39	NSL	<0.0052	<0.0071	<0.0069	<0.0059	**5.4**	**6.8**	<0.0072	<0.0082	**0.037**	**0.12**
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0052	<0.0071	<0.0069	<0.0059	**0.38**	**0.0075**	<0.0072	<0.0082	<0.0061	<0.0064
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)														
Acenaphthene	NSL	350	4,500	NSL	<0.410	<0.420	2.9	1.9	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9
Anthracene	NSL	1,700	23,000	NSL	<0.410	<0.420	0.86	0.52	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9
Fluoranthene	NSL	230	3,000	NSL	<0.410	<0.420	0.44	<0.370	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9
Fluorene	NSL	230	3,000	NSL	<0.410	<0.420	4.2	2.6	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9
Naphthalene	NSL	3.8	17	0.036	<0.410	<0.420	**8.5**	**5.3**	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9
Phenathrene	NSL	NSL	NSL	NSL	<0.410	<0.420	15	7.4	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9
Pyrene	NSL	170	2,300	NSL	<0.410	<0.420	0.82	0.63	<0.400	<0.380	<0.380	<0.380	<1.7	<1.9

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet								
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	SB-6	SB-6	SB-7	SB-8	SB-9	SB-10	SB-10	SB-11	SB-11
					4-6'	12-14'	16-18'	10-12'	16-18'	2-4'	14-16'	0-2'	6-8'
					1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012
Volatile Organic Compounds (EPA Method 8260)													
Acetone	NSL	6,100	67,000	NSL	<0.027	<0.030	<0.028	<0.035	<0.029	<0.028	<0.026	<0.030	0.027
Benzene	0.0026	1.2	5.1	0.007	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Bromoform	0.021	67	290	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
trans-1,2-Dichloroethene	0.029	160	2,300	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
1,1,2-Trichloroethane	0.0016	0.15	0.63	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Cyclohexane	NSL	650	2,700	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Dibromochloromethane	0.021	0.73	3.2	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Ethylbenzene	0.78	5.8	25	1.15	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Styrene	0.11	600	3,500	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Xylenes (total)	9.8	58	250	14.5	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.014	<0.015	<0.014	<0.017	<0.015	<0.014	<0.013	<0.015	<0.013
2-Hexanone	NSL	20	130	NSL	<0.014	<0.015	<0.014	<0.017	<0.015	<0.014	<0.013	<0.015	<0.013
4-Methyl-2-pentanone	NSL	530	5,600	NSL	<0.014	<0.015	<0.014	<0.017	<0.015	<0.014	<0.013	<0.015	<0.013
Toluene	0.69	490	4,700	1.45	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Tetrachloroethene	0.0023	8.1	39	NSL	**0.069**	**0.024**	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0068	<0.0076	<0.0069	<0.0087	<0.0074	<0.0069	<0.0065	<0.0075	<0.0063
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)													
Acenaphthene	NSL	350	4,500	NSL	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360
Anthracene	NSL	1,700	23,000	NSL	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360
Fluoranthene	NSL	230	3,000	NSL	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360
Fluorene	NSL	230	3,000	NSL	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360
Naphthalene	NSL	3.8	17	0.036	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360
Phenathrene	NSL	NSL	NSL	NSL	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360
Pyrene	NSL	170	2,300	NSL	<0.390	<0.420	<0.430	<0.390	<0.400	<0.370	<0.380	<0.350	<0.360

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet											
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	MW-1	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-9	SB-12	SB-12	SB-12	SB-13
					20'	20'	30'	2'	14'	20'	28'	30'	1'	10'	28'	18'
					3/13/2012	3/13/2012	3/13/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/13/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012
Volatile Organic Compounds (EPA Method 8260)																
Acetone	NSL	6,100	67,000	NSL	<0.024	<0.022	<0.021	<0.021	<0.024	<0.026	<0.026	<0.023	<0.021	<0.020	<0.024	<0.022
Benzene	0.0026	1.2	5.1	0.007	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Bromoform	0.021	67	290	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
trans-1,2-Dichloroethene	0.029	160	2,300	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
1,1,2-Trichloroethane	0.0016	0.15	0.63	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Cyclohexane	NSL	650	2,700	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Dibromochloromethane	0.021	0.73	3.2	NSL	<0.0059	<0.0055	<0.0052	<0.0051	**0.98**	<0.0060	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Ethylbenzene	0.78	5.8	25	1.15	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Styrene	0.11	600	3,500	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Xylenes (total)	9.8	58	250	14.5	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.012	<0.011	<0.010	<0.010	<0.012	<0.013	<0.013	<0.011	<0.011	<0.0099	<0.012	<0.011
2-Hexanone	NSL	20	130	NSL	<0.012	<0.011	<0.010	<0.010	<0.012	<0.013	<0.013	<0.011	<0.011	<0.0099	<0.012	<0.011
4-Methyl-2-pentanone	NSL	530	5,600	NSL	<0.012	<0.011	<0.010	<0.010	<0.012	<0.013	<0.013	<0.011	<0.011	<0.0099	<0.012	<0.011
Toluene	0.69	490	4,700	1.45	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Tetrachloroethene	0.0023	8.1	39	NSL	<0.0059	**0.029**	**0.39**	**62**	**0.72**	**0.6**	**3.4**	<0.0057	**0.25**	**0.049**	**1.8**	**0.024**
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0059	<0.0055	<0.0052	<0.0051	<0.0060	<0.0066	<0.0065	<0.0057	<0.0053	<0.0049	<0.0059	<0.0054
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NSL	1,700	23,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
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Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet											
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	SB-13	SB-14	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
					28'	1'	14'	22'	8'	24'	8'	14'	6'	24'	14'	22'
					3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/15/2012	3/15/2012
Volatile Organic Compounds (EPA Method 8260)																
Acetone	NSL	6,100	67,000	NSL	<0.023	<0.025	<0.023	0.036	<0.024	<0.022	<0.018	<0.020	<0.022	<0.023	<0.020	<0.024
Benzene	0.0026	1.2	5.1	0.007	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Bromoform	0.021	67	290	NSL	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0058	0.0087	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
trans-1,2-Dichloroethene	0.029	160	2,300	NSL	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
1,1,2-Trichloroethane	0.0016	0.15	0.63	NSL	<0.0058	<0.0063	<0.0058	**0.023**	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Cyclohexane	NSL	650	2,700	NSL	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Dibromochloromethane	0.021	0.73	3.2	NSL	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Ethylbenzene	0.78	5.8	25	1.15	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	0.022	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	0.18	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0058	<0.0063	<0.0058	0.012	<0.0059	0.0076	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Styrene	0.11	600	3,500	NSL	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Xylenes (total)	9.8	58	250	14.5	<0.0058	<0.0063	<0.0058	0.018	<0.0059	0.33	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.012	<0.013	<0.012	0.013	<0.012	<0.011	<0.0089	<0.0099	<0.011	<0.011	<0.010	<0.012
2-Hexanone	NSL	20	130	NSL	<0.012	<0.013	<0.012	0.012	<0.012	0.25	<0.0089	<0.0099	<0.011	<0.011	<0.010	<0.012
4-Methyl-2-pentanone	NSL	530	5,600	NSL	<0.012	<0.013	<0.012	<0.011	<0.012	<0.011	<0.0089	<0.0099	<0.011	<0.011	<0.010	<0.012
Toluene	0.69	490	4,700	1.45	<0.0058	<0.0063	<0.0058	<0.0054	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Tetrachloroethene	0.0023	8.1	39	NSL	**0.19**	**8.3**	**0.27**	**7.4**	<0.0059	**7.3**	**0.0078**	**0.013**	**0.054**	**0.43**	**0.052**	**0.16**
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0058	**0.067**	<0.0058	**0.013**	<0.0059	<0.0056	<0.0045	<0.0049	<0.0054	<0.0057	<0.0051	<0.0061
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NSL	1,700	23,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet															
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	SB-19			SB-20			SB-21			SB-22		SB-22A	SB-23		SB-23A	SB-24	
					0-1'	3-4'	18-19'	0-1'	10-11'	23-24'	0-1'	8-9'	27-28'	27-28'	29-30'	0-1'	25-26'	29-30'	4-5'	3-4'	24-25'
					5/10/2014	5/10/2014	5/10/2014	5/10/2014	5/10/2014	5/10/2014	5/10/2014	5/10/2014	5/10/2014	3/31/2014	3/31/2014	4/1/2014	3/31/2014	3/31/2014	4/1/2014	3/31/2014	3/31/2014
Volatile Organic Compounds (EPA Method 8260)																				
Acetone	NSL	6,100	67,000	NSL	<0.033	<0.031	<0.022	<0.024	<0.019	<0.028	<0.022	<0.026	<0.025	<0.024	<0.22	<0.19	<0.023	<0.023	<0.022	<0.033	<0.025
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.017	<0.015	<0.011	<0.012	<0.0095	<0.014	<0.011	<0.013	<0.012	<0.012	<0.11	<0.096	<0.012	<0.011	<0.011	<0.017	<0.013
Chloroform	0.022	0.32	1.4	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
1,1-Dichloroethene	0.0025	23	100	NSL	**0.0042 J**	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Ethylbenzene	0.78	5.8	25	1.15	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
2-Hexanone	NSL	20	130	NSL	<0.017	<0.015	<0.011	<0.012	<0.0095	<0.014	<0.011	<0.013	<0.012	<0.012	<0.11	<0.096	<0.012	<0.011	<0.011	<0.017	<0.013
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Methyl acetate	NSL	7,800	120,000	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Methylene Chloride	0.0013	35	320	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Tetrachloroethene	0.0023	8.1	39	NSL	**0.22 J**	0.0022 J	**0.068J**	**0.12 J**	0.00088 J	**0.012**	**0.22**	**0.017**	**0.065 J**	**0.16**	**0.29**	**0.092**	**0.45**	**0.19**	**0.32**	**0.0025 J**	**0.015**
Toluene	0.69	490	4,700	1.45	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Xylenes (total)	9.8	58	250	14.5	<0.0084	<0.0077	<0.0055	<0.0059	<0.0047	<0.0069	<0.0055	<0.0065	<0.0062	<0.0060	<0.055	<0.048	<0.0058	<0.0057	<0.0054	<0.0083	<0.0064
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																				
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	0.15	2.9	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.24	0.015	0.29	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	0.15	3	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	15	290	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 5310)																				
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet														
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	SB-25		SB-25A	SB-26				SB-26A	SB-27		SB-28			SB-29	
					27-28'	28-29'	0-1'	1-2'	2-3'	3-4'	29-30'	0-1'	7-8'	29-30'	14-15'	26-27'	29-30'	22-23'	27-28'
					3/31/2014	3/31/2014	4/1/2014	3/31/2014	3/31/2014	3/31/2014	3/31/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014
Volatile Organic Compounds (EPA Method 8260)																			
Acetone	NSL	6,100	67,000	NSL	<0.026	<1.3	<1.1	<4.3	<1,200	<2.2	<1.1	<0.97	<0.020	<0.020	<0.022	<1.0	<0.017	0.028	<0.021
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.013	<0.64	<0.57	<2.2	<600	<1.1	<0.55	<0.48	<0.010	<0.010	<0.011	<0.5	<0.0087	0.0064 J	<0.011
Chloroform	0.022	0.32	1.4	NSL	0.0020 J	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	0.0015 J	0.00095 J	0.0035 J
1,1-Dichloroethene	0.0025	23	100	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	0.0016 J
Ethylbenzene	0.78	5.8	25	1.15	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
2-Hexanone	NSL	20	130	NSL	<0.013	<0.64	<0.57	<2.2	<600	<1.1	<0.55	<0.48	<0.010	<0.010	<0.011	<0.5	<0.0087	<0.010	<0.011
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
Methyl acetate	NSL	7,800	120,000	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
Methylene Chloride	0.0013	35	320	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
Tetrachloroethene	0.0023	8.1	39	NSL	**11**	**14**	**5.6**	**18**	**2,600**	**4.7**	**2.2**	**31**	<0.0051	**0.91**	**0.0030 J**	**0.62**	**2.4**	**4.6**	**18**
Toluene	0.69	490	4,700	1.45	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	**0.0013 J**	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	**0.0015 J**	**0.0099**	**0.015**
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	**0.0039 J**
Xylenes (total)	9.8	58	250	14.5	<0.0065	<0.32	<0.29	<1.1	<300	<0.54	<0.27	<0.24	<0.0051	<0.0050	<0.0056	<0.25	<0.0044	<0.0051	<0.0053
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																			
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	0.15	2.9	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.24	0.015	0.29	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	0.15	3	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	15	290	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 5310)																			
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet															
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	SB-29A		SB-30		SB-31		SB-32			SB-33		SB-33A		SB-34		
					3-4'	14-15'	6-7'	19-20'	6-7'	25-26'	7-8'	15-16'	20-21'	2-3'	8-9'	17-18'	22-23'	6-7'	17-18'	25-26'
					4/2/2014	4/2/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/2/2014	4/2/2014	4/2/2014	4/1/2014	4/1/2014	4/2/2014	4/2/2014	4/2/2014	4/2/2014	4/2/2014
Volatile Organic Compounds (EPA Method 8260)																				
Acetone	NSL	6,100	67,000	NSL	<1.1	<1.1	<0.021	<0.024	<0.021	<0.023	<0.028	<0.024	<0.021	0.0085 J	<0.019	<1.3	<0.023	<0.025	<0.026	<1.2
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.57	<0.57	<0.010	<0.012	<0.010	<0.012	<0.014	<0.012	<0.010	<0.010	<0.0096	<0.67	<0.012	<0.012	<0.013	<0.61
Chloroform	0.022	0.32	1.4	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
1,1-Dichloroethene	0.0025	23	100	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Ethylbenzene	0.78	5.8	25	1.15	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
2-Hexanone	NSL	20	130	NSL	<0.57	<0.57	<0.010	<0.012	<0.010	<0.012	<0.014	<0.012	<0.010	<0.010	<0.0096	<0.67	<0.012	<0.012	<0.013	<0.61
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Methyl acetate	NSL	7,800	120,000	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Methylene Chloride	0.0013	35	320	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Tetrachloroethene	0.0023	8.1	39	NSL	**0.95**	**0.073 J**	<0.0049	0.0010 J	0.00055 J	**0.0061**	**0.14 J**	**0.0048 J**	**0.33**	0.00071 J	0.00058 J	**0.62**	**0.097**	0.00082 J	**0.03**	**4.3 J**
Toluene	0.69	490	4,700	1.45	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0058	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Trichloroethene	0.0018	0.41	1.9	NSL	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Xylenes (total)	9.8	58	250	14.5	<0.28	<0.29	<0.0052	<0.0060	<0.0052	<0.0058	<0.0070	<0.0059	<0.0052	<0.0052	<0.0048	<0.34	<0.0058	<0.0062	<0.0066	<0.30
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																				
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	0.15	2.9	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.24	0.015	0.29	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	0.15	3	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	15	290	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 5310)																				
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet															
					SB-35			SB-36			SB-37		SB-38			SB-39			SB-40	
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	7-8'	17-18'	25-26'	5-6'	18-19'	26-27'	4-5'	23-24'	0-1'	16-17'	24-25'	5-6'	14-15'	22-23'	17-18'	23-24'
					4/2/2014	4/2/2014	4/2/2014	4/2/2014	4/2/2014	4/2/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014	4/8/2014
Volatile Organic Compounds (EPA Method 8260)																				
Acetone	NSL	6,100	67,000	NSL	<0.026	<1.3	<1.2	<0.026	<0.025	<0.022	0.45 J	<1.6	<0.024	<0.027	<0.021	<1.1	<1.5	<2.4	<1.3	<1.2
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.013	<0.65	<0.61	<0.013	<0.013	<0.011	<0.63	<0.81	<0.012	<0.013	<0.010	<0.54	<0.75	<1.2	<0.64	<0.58
Chloroform	0.022	0.32	1.4	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
1,1-Dichloroethene	0.0025	23	100	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	0.049 J
Ethylbenzene	0.78	5.8	25	1.15	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	0.58	<0.0059	<0.0067	<0.0052	<0.27	0.61	0.72	<0.32	0.63
2-Hexanone	NSL	20	130	NSL	<0.013	<0.65	<0.61	<0.013	<0.013	<0.011	<0.63	<0.81	<0.012	<0.013	<0.010	<0.54	<0.75	<1.2	<0.64	4.0
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	*1.6 J*	<0.0059	<0.0067	*0.00072 J*	*0.054 J*	*2.7*	*4.6*	*0.11 J*	*2.7*
Methyl acetate	NSL	7,800	120,000	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	*0.42*	<0.0059	<0.0067	<0.0052	<0.27	*0.47*	*0.50 J*	<0.32	*0.38*
Methylene Chloride	0.0013	35	320	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
Tetrachloroethene	0.0023	8.1	39	NSL	**0.04**	**1.1**	**0.38**	<0.0065	0.00067 J	**0.0061**	**0.27 J**	**0.14 J**	0.0012 J	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	**2.3**
Toluene	0.69	490	4,700	1.45	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	<0.4	<0.0059	<0.0067	<0.0052	<0.27	<0.37	<0.59	<0.32	<0.29
Xylenes (total)	9.8	58	250	14.5	<0.0064	<0.32	<0.31	<0.0065	<0.0064	<0.0055	<0.31	4.8 J	<0.0059	<0.0067	<0.0052	<0.27	4.3	**10**	<0.32	4.7
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																				
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	<0.40	0.36 J	<0.39	<0.39	<0.39	<0.35	<0.43	<0.37	<0.37	<0.39
Benzo(a)anthracene	NSL	0.15	2.9	0.066	NS	NS	NS	NS	NS	NS	<0.40	<0.46	<0.39	<0.39	<0.39	0.046 J	0.042 J	<0.37	<0.37	<0.39
Benzo(a)pyrene	0.24	0.015	0.29	NSL	NS	NS	NS	NS	NS	NS	<0.40	<0.46	<0.39	<0.39	<0.39	<0.35	<0.43	<0.37	<0.37	<0.39
Benzo(b)fluoranthene	NSL	0.15	3	0.066	NS	NS	NS	NS	NS	NS	<0.40	<0.46	<0.39	<0.39	<0.39	0.036 J	<0.43	<0.37	<0.37	<0.39
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	<0.40	<0.46	<0.39	<0.39	<0.39	<0.35	<0.43	<0.37	<0.37	<0.39
Chrysene	NSL	15	290	0.066	NS	NS	NS	NS	NS	NS	<0.40	<0.46	<0.39	<0.39	<0.39	0.030 J	0.046 J	<0.37	<0.37	<0.39
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	<0.40	<0.46	0.012 J	<0.39	<0.39	0.080 J	0.094 J	<0.37	<0.37	<0.39
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	<0.40	<0.46	<0.39	<0.39	<0.39	<0.35	<0.43	<0.37	<0.37	<0.39
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	<0.40	**2.9**	<0.39	<0.39	<0.39	0.026 J	**0.45**	**0.46**	**0.063 J**	**2.0**
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	*0.020 J*	*4.7*	<0.39	<0.39	<0.39	*0.042 J*	*0.17 J*	<0.37	*0.019 J*	*0.038 J*
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	<0.40	0.26 J	<0.39	<0.39	<0.39	0.057 J	0.088 J	<0.37	<0.37	<0.39
Total Organic Carbon (EPA Method 5310)																				
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet													
					SB-41			SB-42			SB-43			SB-44		SB-45			
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	1-2'	14-15'	23-24'	0-1'	14-15'	23-24'	7-8'	10-11'	19-20'	11-12'	24-25'	0-1'	3-4'	15-16'	21-22'
					4/8/2014	4/8/2014	4/8/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014
Volatile Organic Compounds (EPA Method 8260)																			
Acetone	NSL	6,100	67,000	NSL	<0.023	<1.3	<1.3	<1.2	<0.028	<1.4	<1.1	<1.2	<1.3	0.012 J	<45	0.075	<260	<35	<52
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.011	<0.66	<0.63	<0.59	<0.014	<0.71	<0.57	<0.60	<0.63	<0.0099	<22	0.010 J	<130	<18	<26
Chloroform	0.022	0.32	1.4	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	<0.35	<0.29	<0.30	<0.32	<0.0050	<11	<0.0068	<66	<8.8	<13
1,1-Dichloroethene	0.0025	23	100	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	<0.35	<0.29	<0.30	<0.32	<0.0050	<11	<0.0068	<66	<8.8	<13
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	0.20 J	0.077 J	0.21 J	0.17 J	<0.0050	<11	<0.0068	<66	<8.8	<13
Ethylbenzene	0.78	5.8	25	1.15	<0.0057	0.23 J	0.20 J	<0.29	<0.0070	0.22 J	<0.29	0.15 J	**1.3**	<0.0050	<11	<0.0068	<66	<8.8	<13
2-Hexanone	NSL	20	130	NSL	<0.011	<0.66	<0.63	<0.59	<0.014	<0.71	<0.57	<0.60	<0.63	<0.0099	<22	<0.014	<130	<18	<26
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0057	*1.8 J*	*1.4 J*	<0.29	<0.0070	*2*	*0.072 J*	*0.47 J*	*6.8*	<0.0050	<11	<0.0068	<66	<8.8	<13
Methyl acetate	NSL	7,800	120,000	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	<0.35	<0.29	<0.30	<0.32	<0.0050	<11	<0.0068	<66	<8.8	<13
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0057	*0.12 J*	*0.14*	<0.29	<0.0070	*0.4*	*0.065 J*	*0.32 J*	*0.93*	<0.0050	<11	<0.0068	<66	<8.8	<13
Methylene Chloride	0.0013	35	320	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	<0.35	<0.29	<0.30	<0.32	<0.0050	<11	<0.0068	<66	<8.8	**46**
Tetrachloroethene	0.0023	8.1	39	NSL	**0.034**	**2.2 J**	**0.79 J**	**22 J**	0.0020 J	**39**	**32 J**	**71 J**	**61**	**0.0038 J**	**220**	**18**	**1,300**	**6,300**	**7,300**
Toluene	0.69	490	4,700	1.45	<0.0057	<0.33	<0.32	<0.29	<0.0070	<0.35	<0.29	<0.30	<0.32	<0.0050	<11	<0.0068	<66	<8.8	<13
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	<0.35	<0.29	<0.30	<0.32	<0.0050	<11	<0.0068	<66	<8.8	<13
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0057	<0.33	<0.32	<0.29	<0.0070	0.29 J	0.42 J	0.86	0.32	<0.0050	<11	0.017	<66	<8.8	<13
Xylenes (total)	9.8	58	250	14.5	<0.0057	4.1 J	3.3 J	<0.29	<0.0070	3.5	0.19 J	1.1 J	11	<0.0050	<11	<0.0068	<66	<8.8	<13
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																			
Acenaphthene	NSL	350	4,500	NSL	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Benzo(a)anthracene	NSL	0.15	2.9	0.066	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Benzo(a)pyrene	0.24	0.015	0.29	NSL	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Benzo(b)fluoranthene	NSL	0.15	3	0.066	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Chrysene	NSL	15	290	0.066	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Fluoranthene	NSL	230	3,000	NSL	<0.42	<0.37	<0.38	<0.39	<0.44	<0.46	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	0.16 J
Fluorene	NSL	230	3,000	NSL	<0.42	<0.37	<0.38	<0.39	<0.44	0.034 J	<0.40	<0.41	<0.38	<0.38	<0.36	<0.39	<4.2	<4.2	<3.8
Naphthalene	NSL	3.8	17	0.036	<0.42	**0.23 J**	**0.12 J**	<0.39	<0.44	**0.14 J**	<0.40	<0.41	**0.96**	<0.38	**1.2**	<0.39	<4.2	**5.9**	**7.7**
Phenathrene	NSL	NSL	NSL	NSL	<0.42	<0.37	*0.057 J*	<0.39	<0.44	*0.16 J*	<0.40	<0.41	<0.38	<0.38	*4*	<0.39	<4.2	*10*	*10*
Pyrene	NSL	170	2,300	NSL	<0.42	<0.37	<0.38	<0.39	<0.44	0.020 J	<0.40	<0.41	<0.38	<0.38	0.7	<0.39	<4.2	<4.2	<3.8
Total Organic Carbon (EPA Method 5310)																			
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet														
					SB-46			SB-47			SB-48			SB-49			SB-50		
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	3-4'	15-16'	25-26'	0-1'	6-7'	24-25'	2-3'	14-15'	25-26'	3-4'	12-13'	23-24'	0-1'	10-11'	19-20'
					4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/3/2014	4/9/2014	4/9/2014	4/9/2014
Volatile Organic Compounds (EPA Method 8260)																			
Acetone	NSL	6,100	67,000	NSL	<1.3	<14	<12	<0.022	<0.028	<1.3	<1.0	<1.2	<0.022	<1.0	<0.027	0.024	<0.018	<0.027	<0.021
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.64	<7.2	<6.1	<0.011	<0.014	<0.63	<0.52	<0.59	<0.011	<0.52	<0.013	<0.012	<0.0088	<0.014	<0.011
Chloroform	0.022	0.32	1.4	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
1,1-Dichloroethene	0.0025	23	100	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	0.54	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Ethylbenzene	0.78	5.8	25	1.15	<0.32	<3.6	<3.0	<0.011	<0.014	<0.63	<0.52	<0.59	<0.011	<0.52	<0.013	<0.012	<0.0088	<0.014	<0.011
2-Hexanone	NSL	20	130	NSL	<0.64	<7.2	<6.1	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Methyl acetate	NSL	7,800	120,000	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	0.36	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.32	<3.6	*0.41 J*	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Methylene Chloride	0.0013	35	320	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Tetrachloroethene	0.0023	8.1	39	NSL	**330**	**1700 J**	**2,900**	**0.074**	**0.0040 J**	**0.36**	**18**	**2.7**	**0.053**	**8.0**	**0.094**	**0.45**	**0.026**	0.00092 J	<0.0053
Toluene	0.69	490	4,700	1.45	<0.32	<3.6	1.1 J	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.32	<3.6	<3.0	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Trichloroethene	0.0018	0.41	1.9	NSL	0.28 J	<3.6	<3.0	<0.0055	<0.0070	<0.32	0.71	<0.30	<0.0054	0.19 J	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Xylenes (total)	9.8	58	250	14.5	<0.32	<3.6	2.3 J	<0.0055	<0.0070	<0.32	<0.26	<0.30	<0.0054	<0.26	<0.0067	<0.0059	<0.0044	<0.0068	<0.0053
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																			
Acenaphthene	NSL	350	4,500	NSL	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Benzo(a)anthracene	NSL	0.15	2.9	0.066	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Benzo(a)pyrene	0.24	0.015	0.29	NSL	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Benzo(b)fluoranthene	NSL	0.15	3	0.066	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Chrysene	NSL	15	290	0.066	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Fluoranthene	NSL	230	3,000	NSL	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	0.020 J	<0.40	<0.38
Fluorene	NSL	230	3,000	NSL	<0.43	<4.1	<4.2	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Naphthalene	NSL	3.8	17	0.036	**0.038 J**	**4.4**	**2.0 J**	<0.37	<0.39	<0.39	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Phenathrene	NSL	NSL	NSL	NSL	*0.057 J*	*9.6*	*4.7*	<0.37	<0.39	*0.089 J*	*0.018 J*	*0.75 J*	*0.18 J*	<0.37	<0.42	*0.31 J*	<0.38	<0.40	<0.38
Pyrene	NSL	170	2,300	NSL	<0.43	<4.1	<4.2	<0.37	<0.39	0.035 J	<0.36	<3.5	<0.37	<0.37	<0.42	<0.43	<0.38	<0.40	<0.38
Total Organic Carbon (EPA Method 5310)																			
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet														
					SB-51			SB-52			SB-53		SB-54		SB-55		SB-56		
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	2-3'	9-10'	23-24'	6-7'	9-10'	18-19'	1-2'	24-25'	1-2'	24-25'	11-12'	24-25'	0-1'	13-14'	28-29'
					4/3/2014	4/3/2014	4/3/2014	4/4/2014	4/4/2014	4/4/2014	4/4/2014	4/4/2014	4/4/2014	4/4/2014	4/4/2014	4/4/2014	4/8/2014	4/8/2014	4/8/2014
Volatile Organic Compounds (EPA Method 8260)																			
Acetone	NSL	6,100	67,000	NSL	<0.021	<0.024	<0.028	<0.022	<0.021	<0.031	<0.025	<0.019	<0.029	<0.021	<0.025	<1.1	<0.021	<1.4	<2.4
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.010	<0.012	<0.014	<0.011	<0.011	<0.016	<0.013	<0.0094	<0.015	<0.010	<0.013	<0.57	<0.010	<0.70	<1.2
Chloroform	0.022	0.32	1.4	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
1,1-Dichloroethene	0.0025	23	100	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
Ethylbenzene	0.78	5.8	25	1.15	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	0.29	<0.0052	0.42 J	**2.2 J**
2-Hexanone	NSL	20	130	NSL	<0.010	<0.012	<0.014	<0.011	<0.011	<0.016	<0.013	<0.0094	<0.015	<0.010	<0.013	<0.57	<0.010	<0.70	<1.2
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	*1.5 J*	<0.0052	*0.55 J*	*2.7 J*
Methyl acetate	NSL	7,800	120,000	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	*1.1 J*	<0.0052	*0.075 J*	*2.3 J*
Methylene Chloride	0.0013	35	320	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
Tetrachloroethene	0.0023	8.1	39	NSL	**0.18**	**0.1**	**0.16**	0.00056 J	0.00064 J	**0.0040 J**	**0.014**	**0.099**	<0.0074	<0.0052	0.0008 J	**0.051 J**	<0.0052	**0.042 J**	<0.60
Toluene	0.69	490	4,700	1.45	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	<0.29	<0.0052	<0.35	<0.60
Xylenes (total)	9.8	58	250	14.5	<0.0052	<0.0061	<0.0069	<0.0056	<0.0054	<0.0078	<0.0063	<0.0047	<0.0074	<0.0052	<0.0063	3.9	<0.0052	1.1 J	**15 J**
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																			
Acenaphthene	NSL	350	4,500	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	<0.44	<0.39	<0.45	1.9	<0.37	1.9	2.2
Benzo(a)anthracene	NSL	0.15	2.9	0.066	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	0.052 J	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Benzo(a)pyrene	0.24	0.015	0.29	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	**0.038 J**	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Benzo(b)fluoranthene	NSL	0.15	3	0.066	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	**0.075 J**	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	0.046 J	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Chrysene	NSL	15	290	0.066	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	0.044 J	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Fluoranthene	NSL	230	3,000	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	0.094 J	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Fluorene	NSL	230	3,000	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	<0.44	<0.39	<0.45	<0.75	<0.37	<1.8	<1.9
Naphthalene	NSL	3.8	17	0.036	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	<0.44	<0.39	<0.45	**3.9**	<0.37	**8.1**	**15 J**
Phenathrene	NSL	NSL	NSL	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	*0.030 J*	<0.39	<0.45	*9.7*	<0.37	*12*	*16 J*
Pyrene	NSL	170	2,300	NSL	<0.35	<0.40	<0.41	<0.42	<0.40	<0.48	<0.38	<0.42	0.063 J	<0.39	<0.45	0.63 J	<0.37	1.1 J	0.97 J
Total Organic Carbon (EPA Method 5310)																			
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet														
					SB-57			SB-58			SB-59		SB-60		MW-5D		MW-9D		
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	0-1'	4-5'	9-10'	4-5'	9-10'	23-24'	2-3'	3-4'	3-4'	4-5'	1-2'	21-22'	0-1'	15-16'	64-65'
					5/10/2014	5/10/2014	5/10/2014	4/8/2014	4/8/2014	4/8/2014	5/19/2014	5/19/2014	5/19/2014	5/19/2014	5/13/2014	5/13/2014	5/14/2014	5/14/2014	5/14/2014
Volatile Organic Compounds (EPA Method 8260)																			
Acetone	NSL	6,100	67,000	NSL	<0.030	<0.024	<0.024	<0.023	<0.021	<1.1	0.030 J	0.086	0.011 J	<0.020	<0.019	<0.026	<0.030	<0.023	NS
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Chloroform	0.022	0.32	1.4	NSL	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
1,1-Dichloroethene	0.0025	23	100	NSL	**0.0028 J**	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Ethylbenzene	0.78	5.8	25	1.15	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
2-Hexanone	NSL	20	130	NSL	<0.015	<0.012	<0.012	<0.012	<0.010	<0.56	<0.016	<0.013	<0.015	<0.010	<0.0093	<0.013	<0.015	<0.012	NS
Isopropylbenzene	NSL	NSL	NSL	NSL	NSL	<0.0060	<0.0059	*0.0020 J*	<0.0052	<0.28	<0.0079	*0.048*	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Methyl acetate	NSL	7,800	120,000	NSL	NSL	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Methylcyclohexane	NSL	NSL	NSL	NSL	NSL	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Methylene Chloride	0.0013	35	320	NSL	NSL	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Tetrachloroethene	0.0023	8.1	39	NSL	0.0011 J	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	**0.035**	**0.035**	**0.0045 J**	**0.0034 J**	0.0017 J	**0.0066**	**0.0032 J**	**0.0025 J**	NS
Toluene	0.69	490	4,700	1.45	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0074	<0.0060	<0.0059	<0.0059	<0.0052	<0.28	<0.0079	<0.0065	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Xylenes (total)	9.8	58	250	14.5	<0.0074	<0.0060	<0.0059	0.0053 J	<0.0052	<0.28	<0.0079	0.0046 J	<0.0074	<0.0051	<0.0047	<0.0066	<0.0075	<0.0058	NS
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																			
Acenaphthene	NSL	350	4,500	NSL	<0.43	<0.38	<0.45	0.025 J	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	0.15	2.9	0.066	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.24	0.015	0.29	NSL	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	0.15	3	0.066	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	15	290	0.066	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	<0.43	<0.38	<0.45	<0.37	<0.39	<0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	<0.43	*0.048 J*	*0.062 J*	*0.36 J*	<0.39	*0.16 J*	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	<0.43	<0.38	<0.45	0.030 J	<0.39	0.043 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 5310)																			
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	40 J	<100

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet															
					MW-10D		MW-12		MW-13			MW-14			MW-15				MW-16	
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	7-8'	22-23'	0-1'	33-34'	1-2'	25-26'	36-37'	13-14'	20-21'	44-45'	7-8'	16-17'	23-24'	31-32'	3-4'	19-20'
					5/15/2014	5/15/2014	5/12/2014	5/12/2014	5/15/2014	5/15/2014	5/15/2014	5/14/2014	5/14/2014	5/14/2014	5/14/2014	5/14/2014	5/14/2014	5/14/2014	5/20/2014	5/20/2014
Volatile Organic Compounds (EPA Method 8260)																				
Acetone	NSL	6,100	67,000	NSL	<0.026	<0.026	0.080	<0.022	0.018 J	<0.023	NS	<0.025	<0.020	NS	<0.024	<0.026	<0.028	NS	<0.023	<0.020
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.013	<0.013	<0.013	<0.011	<0.013	<0.011	NS	<0.013	<0.010	NS	<0.012	<0.013	<0.014	NS	<0.011	<0.011
Chloroform	0.022	0.32	1.4	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
1,1-Dichloroethene	0.0025	23	100	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Ethylbenzene	0.78	5.8	25	1.15	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
2-Hexanone	NSL	20	130	NSL	<0.013	<0.013	<0.013	<0.011	<0.013	<0.011	NS	<0.013	<0.010	NS	<0.012	<0.013	<0.014	NS	<0.011	<0.0099
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Methyl acetate	NSL	7,800	120,000	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Methylene Chloride	0.0013	35	320	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Tetrachloroethene	0.0023	8.1	39	NSL	**0.23**	**1.7**	**0.025**	**0.47 J**	**0.0028 J**	0.0020 J	NS	0.0021 J	**0.0024 J**	NS	0.0022 J	**0.0030 J**	**0.0034 J**	NS	0.0012 J	0.0011 J
Toluene	0.69	490	4,700	1.45	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Xylenes (total)	9.8	58	250	14.5	<0.0065	<0.0066	<0.0064	<0.0054	<0.0064	<0.0056	NS	<0.0063	<0.0051	NS	<0.0059	<0.0065	<0.0069	NS	<0.0056	<0.0049
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																				
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	0.15	2.9	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.24	0.015	0.29	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	0.15	3	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	15	290	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 5310)																				
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	<100	*39 J*	<100	NS	<100	*390 J*	NS	NS	<100	NS	NS

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 6

Soil Analytical Results

Itron, Inc.
Greenwood, South Carolina

Compounds	Soil Screening Level				Soil Samples - Sample Depths in Feet							
					MW-16D		MW-17			MW-18		
	Protection of Groundwater	Resident Soil	Industrial Soil	RBSL	6-7'	22-23'	0-1'	4-5'	23-24'	4-5'	12-13'	38-39'
					5/19/2014	5/19/2014	5/10/2014	5/10/2014	5/10/2014	5/12/2014	5/12/2014	5/12/2014
Volatile Organic Compounds (EPA Method 8260)												
Acetone	NSL	6,100	67,000	NSL	<0.025	<0.017	<0.021	<0.020	<0.019	<0.024	<0.023	NS
2-Butanone (MEK)	NSL	2,700	19,000	NSL	<0.013	<0.083	<0.010	<0.010	<0.0096	<0.012	<0.011	NS
Chloroform	0.022	0.32	1.4	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
1,1-Dichloroethene	0.0025	23	100	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
cis-1,2-Dichloroethene	0.021	16	230	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Ethylbenzene	0.78	5.8	25	1.15	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
2-Hexanone	NSL	20	130	NSL	<0.013	<0.0083	<0.010	<0.010	<0.0096	<0.012	<0.011	NS
Isopropylbenzene	NSL	NSL	NSL	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Methyl acetate	NSL	7,800	120,000	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Methylcyclohexane	NSL	NSL	NSL	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Methylene Chloride	0.0013	35	320	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Tetrachloroethene	0.0023	8.1	39	NSL	0.0018 J	0.00069 J	0.00067 J	0.00098 J	**0.0049**	0.0010 J	<0.0057	NS
Toluene	0.69	490	4,700	1.45	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
1,1,2-Trichloroethane	0.0011	0.15	0.63	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Trichloroethene	0.0018	0.41	1.9	NSL	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Xylenes (total)	9.8	58	250	14.5	<0.0063	<0.0042	<0.0052	<0.0050	<0.0048	<0.0061	<0.0057	NS
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)												
Acenaphthene	NSL	350	4,500	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	0.15	2.9	0.066	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.24	0.015	0.29	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	0.15	3	0.066	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	15	290	0.066	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	230	3,000	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	3.8	17	0.036	NS	NS	NS	NS	NS	NS	NS	NS
Phenathrene	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	170	2,300	NSL	NS	NS	NS	NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 5310)												
TOC	NSL	NSL	NSL	NSL	NS	NS	NS	NS	NS	<100	NS	<100

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. Screening Levels are established by Environmental Protection Agency (EPA), Regional Screening level (RSL) Summary Table (May 2014).
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. All results are in milligrams per kilogram (mg/kg).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
6. A bold value indicates a concentration which exceeds a screening level.
7. NSL - No Screening Level Listed.
8. An italicized value indicates detected value with no established screening level.
9. NS - Not Sampled
10. J - Estimated Value

Table 7

Historical Groundwater Laboratory Analyses
January 2012, April 2012 and August 2012

Itron, Inc.
Greenwood, South Carolina

Compounds	MCL	RBSL	Temporary Groundwater Sampling Points									Monitoring Wells							
			GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	MW-1		MW-2		MW-3		MW-4	
			1/10/2012	1/10/2012	1/10/2012	1/10/2012	1/10/2012	1/11/2012	1/11/2012	1/11/2012	1/11/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012
Volatile Organic Compounds (EPA Method 8260)																			
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	NSL	NSL	<20.0	<20.0	<4,000	<20.0	<400	<20	<20	23	<200	<20	<20	<20	<20	*62*	<40	<20	<20
Benzene	5	5	<5.0	<5.0	<1,000	<5.0	<100	**15**	**51**	**7.6**	<50	<5.0	<5.0	**8.2**	<5.0	**12**	**15.1**	<5.0	<5.0
Bromoform	80	NSL	<5.0	<5.0	<1,000	<5.0	<100	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis -1,2-Dichloroethene	70	NSL	<5.0	<5.0	<1,000	<5.0	<100	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	**280**	**389**	<5.0	<5.0
Ethylbenzene	700	700	<5.0	<5.0	<1,000	<5.0	<100	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	11	<5.0	<5.0	<5.0
Isopropylbenzene	NSL	NSL	<5.0	<5.0	<1,000	<5.0	<100	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	*9.5*	*19.5*	<5.0	<5.0
Styrene	100	NSL	<5.0	<5.0	<1,000	<5.0	<100	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	14	<5.0	<5.0	<5.0
Xylenes (total)	10,000	10,000	<5.0	<5.0	<1,000	<5.0	<100	<5.0	45	6	<50	<5.0	<5.0	10	<5.0	41	41.5	<5.0	<5.0
2-Butanone (MEK)	NSL	NSL	<10.0	<10.0	<2,000	<10.0	<200	<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	*30*	<20.0	<10.0	<10.0
2-Hexanone	NSL	NSL	<10.0	<10.0	<2,000	<10.0	<200	<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	*11*	<20.0	<10.0	<10.0
4-Methyl-2-pentanone	NSL	NSL	<10.0	<10.0	<2,000	<10.0	<200	<10.0	<10.0	<10.0	<100	<10.0	<10.0	<10.0	<10.0	*10*	<20.0	<10.0	<10.0
Tetrachloroethene	5	NSL	<5.0	**280**	**10,000**	**16**	**860**	<5.0	<5.0	**43**	470	<5.0	<5.0	<5.0	<5.0	**50**	<10.0	<5.0	<5.0
Trichloroethene	5	NSL	<5.0	<5.0	<1,000	<5.0	<100	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	**43**	<10.0	**5.8**	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																			
Acenaphthene	NSL	NSL	<5.2	<5.3	<5.2	NS	7.4	7.3	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	NSL	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NSL	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	10	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.2	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	10	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	NSL	10	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	10	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NSL	10	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NSL	NSL	<5.2	<5.3	<5.2	NS	9	9.7	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-c,d)pyrene	NSL	NSL	<5.2	<5.3	<5.2	NS	<5.3	<5.9	<5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	25	<5.2	<5.3	<5.2	NS	210	230	170	NS	27	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	NSL	NSL	<5.2	<5.3	<5.2	NS	11	11	5.1	NS	<6.2	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina (January 2012 and April 2012) and Gulf Coast Analytical Laboratories, Inc. of Baton Rouge, Louisiana (August 2012).
2. MCL- Maximum Contaminant Level based on National Primary Drinking Water Standards.
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA).
4. NSL - No Screening Level Listed
5. ug/L - micrograms per liter.
6. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
7. A bold value indicates a concentration which exceeds the MCL and/or RBSL.
8. An italicized value indicates a detected concentration of a constituent that does not have a MCL and/or RBSL.
9. National Secondary Drinking Water Regulations (NSDWRs or secondary standards) are non-enforceable guidelines regulating contaminants. EPA recommends secondary standards to water systems but does not require systems to comply.
9. NS - Not Sampled

Table 7

Historical Groundwater Laboratory Analyses
January 2012, April 2012 and August 2012

Itron, Inc.
Greenwood, South Carolina

Compounds	MCL	RBSL	Monitoring Wells													
			MW-5		MW-6		MW-7		MW-8		MW-9		MW-10		MW-11	
			4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012	4/19/2012	8/23/2012
Volatile Organic Compounds (EPA Method 8260)																
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	NSL	NSL	<400	<800	<4,000	<2,000	<2,000	<16,000	<8,000	<4,000	<20	<20	<2,000	<2,000	<20	<20
Benzene	5	5	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	<5.0	<5.0
Bromoform	80	NSL	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	5.3	<5.0
cis -1,2-Dichloroethene	70	NSL	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	<5.0	<5.0
Ethylbenzene	700	700	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	<5.0	<5.0
Isopropylbenzene	NSL	NSL	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	<5.0	<5.0
Styrene	100	NSL	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	<5.0	<5.0
Xylenes (total)	10,000	10,000	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	<5.0	<5.0	<500	<500	<5.0	<5.0
2-Butanone (MEK)	NSL	NSL	<200	<400	<2,000	<1,000	<1,000	<8,000	<4,000	<2,000	<10.0	<10.0	<1,000	<1,000	<10.0	<10.0
2-Hexanone	NSL	NSL	<200	<400	<2,000	<1,000	<1,000	<8,000	<4,000	<2,000	<10.0	<10.0	<1,000	<1,000	<10.0	<10.0
4-Methyl-2-pentanone	NSL	NSL	<200	<400	<2,000	<1,000	<1,000	<8,000	<4,000	<2,000	<10.0	<10.0	<1,000	<1,000	<10.0	<10.0
Tetrachloroethene	5	NSL	**3,900**	**4,290**	**12,000**	**14,400**	**7,000**	**56,900**	**19,000**	**25,200**	**10**	<5.0	**12,000**	**15,200**	<5.0	<5.0
Trichloroethene	5	NSL	<100	<200	<1,000	<500	<500	<4,000	<2,000	<1,000	**54**	<5.0	<500	<500	**5.2**	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																
Acenaphthene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NSL	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.2	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NSL	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	NSL	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NSL	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NSL	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-c,d)pyrene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NSL	25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	NSL	NSL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina (January 2012 and April 2012) and Gulf Coast Analytical Laboratories, Inc. of Baton Rouge, Louisiana (August 2012).
2. MCL- Maximum Contaminant Level based on National Primary Drinking Water Standards.
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA).
4. NSL - No Screening Level Listed
5. ug/L - micrograms per liter.
6. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected above the reporting limit.
7. A bold value indicates a concentration which exceeds the MCL and/or RBSL.
8. An italicized value indicates a detected concentration of a constituent that does not have a MCL and/or RBSL.
9. National Secondary Drinking Water Regulations (NSDWRs or secondary standards) are non-enforceable guidelines regulating contaminants. EPA recommends secondary standards to water systems but does not require systems to comply.
9. NS - Not Sampled

Table 8
Groundwater Analytical Results
June 2014

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells											
			MW-1	MW-2	MW-3	MW-4	MW-5	MW-5D	MW-6	MW-7	MW-8	MW-9	MW-9D	MW-10
			6/5/2014	6/4/2014	6/4/2014	6/5/2014	6/5/2014	6/5/2014	6/4/2014	6/4/2014	6/4/2014	6/4/2014	6/4/2014	6/4/2014
Volatile Organic Compounds (EPA Method 8260)														
Benzene	5	5	<5.0	<5.0	**17 J**	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
Bromodichloromethane	80	NSL	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
2-Butanone (MEK)	NSL	NSL	<10.0	<10.0	*33 J*	<10.0	<500	<10.0	<2,000	<10,000	<5000	<10.0	<10.0	<10.0
Chloroform	80	NSL	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	1.8 J	<5.0
1,2-Dichloroethane	5	NSL	<5.0	1.2 J	<25.0	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	NSL	<5.0	<5.0	**440**	0.39 J	46 J	<5.0	<1,000	<5,000	<2500	<5.0	0.26 J	0.46 J
1,2-Dichloropropane	5	NSL	<5.0	**11**	<25.0	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
Ethylbenzene	700	NSL	<5.0	<5.0	*16 J*	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
2-Hexanone	NSL	NSL	<10.0	<10.0	*10 J*	<10.0	<500	<10.0	<2,000	<10,000	<5000	<10.0	<10.0	<10.0
Isopropylbenzene	NSL	NSL	<5.0	<5.0	*26*	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	NSL	NSL	<10.0	<10.0	*6.9 J*	<10.0	<500	<10.0	<2,000	<10,000	<5000	<10.0	<10.0	<10.0
Methylcyclohexane	NSL	NSL	<5.0	<5.0	*5.1 J*	<5.0	<250	<5.0	<1,000	<5,000	<2500	<5.0	<5.0	<5.0
Tetrachloroethene	5	NSL	0.80 J	0.86 J	**21 J**	2.4 J	**3,700**	**190**	**14,000**	**97,000**	**21,000**	1.4 J	<5.0	**1,500**
Trichloroethene	5	NSL	<5.0	<5.0	<25.0	<5.0	**15 J**	0.56 J	<1,000	<5,000	<2500	<5.0	<5.0	1.3 J
Vinyl Chloride	2	NSL	<2.0	<2.0	<10.0	0.42 J	**38 J**	<2.0	<400	<2,000	<1000	<2.0	<2.0	<2.0
Xylenes (total)	10,000	10,000	<5.0	<5.0	110	<5.0	**<250**	<5.0	<1,000	<5,000	<2,500	<5.0	<5.0	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)														
Benzo(a)anthracene	NSL	10	<0.20	0.042 J	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.20	NSL	<0.20	0.050 J	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	10	<0.20	0.11 J	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Chrysene	NSL	10	<0.20	0.077 J	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Fluoranthene	NSL	NSL	<0.20	*0.15 J*	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Fluorene	NSL	NSL	<0.20	*0.063 J*	<100	*0.028 J*	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Naphthalene	NSL	25	<0.20	1.1	**200**	0.14 J	<0.20	0.10 J	<0.20	NA	NA	NA	NA	NA
Phenathrene	NSL	NSL	<0.20	*0.15 J*	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA
Pyrene	NSL	NSL	<0.20	*0.13 J*	<100	<0.20	<0.20	<0.20	<0.20	NA	NA	NA	NA	NA

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
3. MCL - Maximum Contaminant Level established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (May 2014).
4. All concentrations are in micrograms per liter (ug/L).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected in any of the samples.
6. A bold value indicates a concentration which exceeds the MCL or RBSL.
7. NSL = No Screening Level Listed.
8. An italicized value indicates detected value with no established MCL or RBSL.
9. NA = Not analyzed or not applicable
10. J - Estimated Value

Table 8
Groundwater Analytical Results
June 2014

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells									
			MW-10D	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-16D	MW-17	MW-18
			6/4/2014	6/4/2014	6/5/2014	6/5/2014	6/4/2014	6/5/2014	6/4/2014	6/4/2014	6/5/2014	6/5/2014
Volatile Organic Compounds (EPA Method 8260)												
Benzene	5	5	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	80	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	3.2 J	<5.0
2-Butanone (MEK)	NSL	NSL	<10.0	<10.0	<500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloroform	80	NSL	2.5 J	<5.0	<250	2.8 J	2.3 J	3.9 J	<5.0	<5.0	8.6	<5.0
1,2-Dichloroethane	5	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	NSL	<5.0	<5.0	<250	<5.0	0.24 J	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	700	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone	NSL	NSL	<10.0	<10.0	<500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Isopropylbenzene	NSL	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	NSL	NSL	<10.0	<10.0	<500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Methylcyclohexane	NSL	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	NSL	1.8 J	**37**	**4,500**	0.82 J	**78**	0.60 J	**160**	**18**	**75**	0.78 J
Trichloroethene	5	NSL	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	0.79 J	<5.0
Vinyl Chloride	2	NSL	<2.0	<2.0	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylenes (total)	10,000	10,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)												
Benzo(a)anthracene	NSL	10	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20
Benzo(a)pyrene	0.20	NSL	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20
Benzo(b)fluoranthene	NSL	10	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20
Chrysene	NSL	10	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20
Fluoranthene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20
Fluorene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20
Naphthalene	NSL	25	NA	NA	0.039 J	NA	NA	NA	NA	NA	0.033 J	0.038 J
Phenathrene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	NA	NA	*0.043 J*	<0.20
Pyrene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	NA	NA	<0.20	<0.20

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina.
2. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
3. MCL - Maximum Contaminant Level established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (May 2014).
4. All concentrations are in micrograms per liter (ug/L).
5. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected in any of the samples.
6. A bold value indicates a concentration which exceeds the MCL or RBSL.
7. NSL = No Screening Level Listed.
8. An italicized value indicates detected value with no established MCL or RBSL.
9. NA = Not analyzed or not applicable
10. J - Estimated Value

Table 9

Air Quality Laboratory Analyses
Itron, Inc.
Greenwood, South Carolina

Compounds	Industrial Air RSL	Air Samples - Closed Door					
		IA-1	**IA-2**	**IA-3**	**IA-4**	**IA-5**	**AA-1**
		3/22/2012	3/22/2012	3/22/2012	3/22/2012	3/22/2012	3/22/2012
Volatile Organic Compounds (EPA Method TO-15 SIM)							
Vinyl Chloride	2.8	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NSL	*0.021 J*	*0.1*	*0.2*	*0.64*	*0.097*	ND
cis-1,2-Dichloroethene	NSL	ND	*0.0069 J*	*0.0073 J*	*0.95*	ND	*0.0073 J*
Trichloroethene	3	0.017 J	0.082	0.073	**7.6**	0.1	0.010 J
Tetrachloroethene	47	0.54	16	18	**94 D**	37	0.51

Compounds	Industrial Air RSL	Air Samples - Open Door					
		IA-1A	**IA-2A**	**IA-3A**	**IA-4A**	**IA-5A**	**AA-1A**
		4/11/2012	4/11/2012	4/11/2012	4/11/2012	4/11/2012	4/11/2012
Volatile Organic Compounds (EPA Method TO-15 SIM)							
Vinyl Chloride	2.8	ND	0.0062 J	ND	ND	ND	ND
trans-1,2-Dichloroethene	NSL	*0.0079 J*	*0.020 J*	*0.018 J*	*0.11*	*0.0036 J*	*0.019 J*
cis-1,2-Dichloroethene	NSL	ND	*0.0063 J*	*0.0049 J*	*0.11*	ND	*0.0045 J*
Trichloroethene	3	0.0085 J	0.026	0.016 J	1.2	0.008 J	0.041 J
Tetrachloroethene	47	0.18	1.2	0.78	28	0.038 J	3.5

Notes:

1. ND = Not Detected
2. J = Trace amount. Analyte concentration between RL and MDL.
3. D = Analyte result from secondary dilution.
4. All concentrations are in micrograms per cubic meter - ug/m^3
5. NSL = No Screening Level Listed
6. A bold value indicates a concentration which exceeds the RSL.
7. Industrial Air RSLs established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (May 2014).
8. An italicized value indicates detected value with no established screening level.

Table 10

Screening Levels for Chemicals of Concern (COCs)

Itron, Inc.
Greenwood, South Carolina

Soil Screening Level (mg/kg)				
Chemical of Concern (COC)	**Protection of Groundwater**	**Resident Soil**	**Industrial Soil**	**RBSL**
1,1-Dichloroethene	0.0025	23	100	NSL
Ethylbenzene	0.78	5.8	25	1.15
Methylene Chloride	0.0013	35	320	NSL
Tetrachloroethene (PCE)	0.0023	8.1	39	NSL
Trichloroethene (TCE)	0.0018	0.41	1.9	NSL
cis-1,2-Dichloroethene	0.021	16	230	NSL
1,1,2-Trichloroethane	0.0016	0.15	0.63	NSL
Dibromochloromethane	0.021	0.73	3.2	NSL
Naphthalene	NSL	3.8	17	NSL
Xylenes	9.8	58	250	14.5
Benzo(a)pyrene	0.24	0.015	0.29	NSL
Benzo(b)fluoranthene	NSL	0.15	2.9	0.066
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL

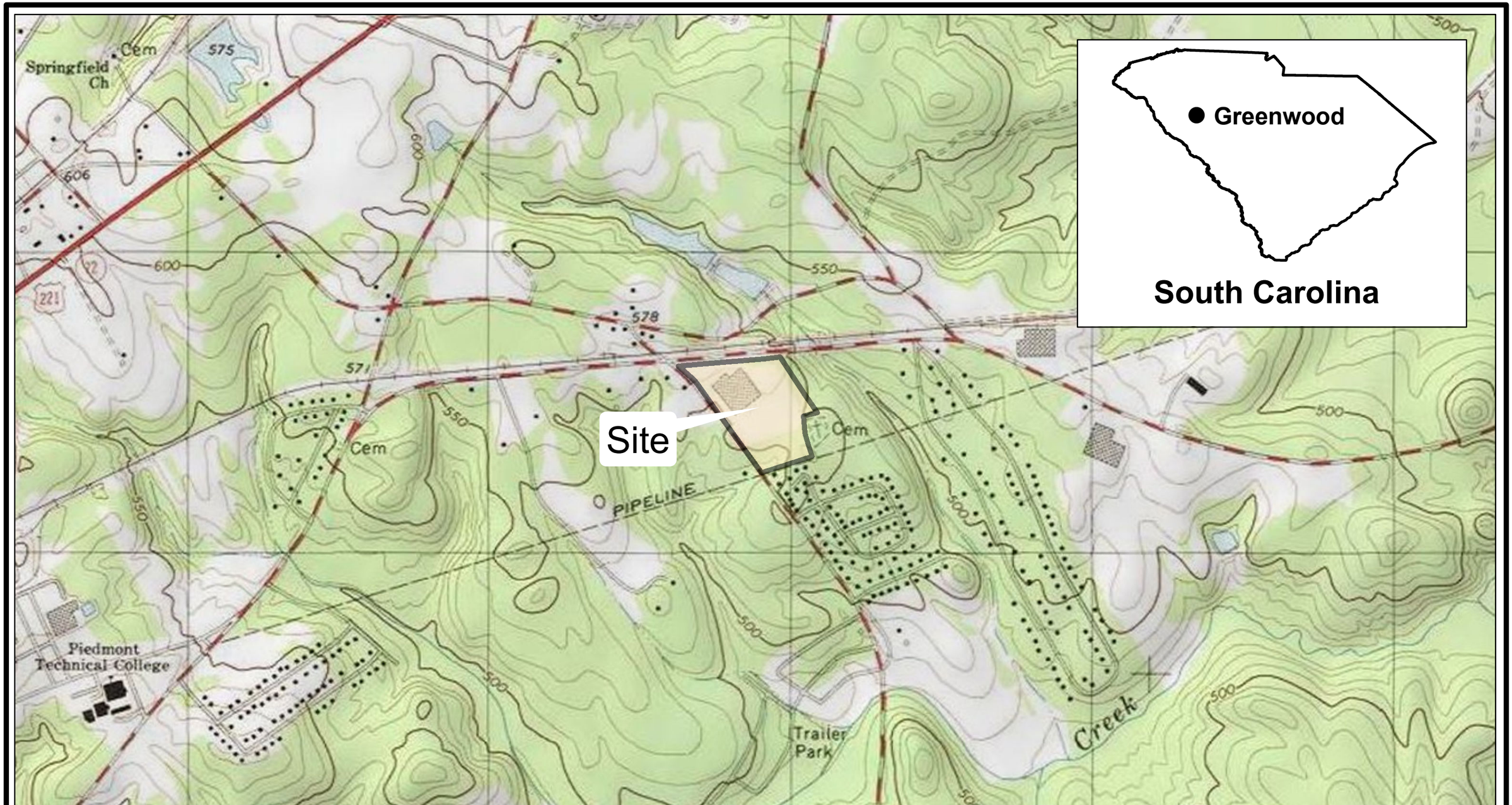
Groundwater Screening Level (ug/L)		
Chemical of Concern (COC)	**Maximum Contaminant Level**	**RBSL**
1,2-Dichloropropane	5	NSL
Tetrachloroethene (PCE)	5	NSL
Trichloroethene (TCE)	5	NSL
cis-1,2-Dichloroethene	70	NSL
Benzene	5	5
Naphthalene	NSL	25
Vinyl Chloride	2	

Air Screening Level (ug/m^3)	
Chemical of Concern (COC)	**Industrial Air**
Tetrachloroethene (PCE)	18
Trichloroethene (TCE)	0.88

Notes:

1. mg/kg - milligrams per kilogram
2. ug/L - micrograms per liter
3. ug/m^3 - micrograms per cubic meter
4. NSL - No Screening Level Listed
5. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
6. Screening Levels for Protection of Groundwater, Resident Soil, Industrial Soil, MCLs and Industrial Air are established by Environmental Protection Agency (EPA), Regional Screening Level (RSL) Summary Table (May 2014).

Figures



Legend

Itron Property Line (Approximate)

Source: USGS 7.5-minute topographic quadrangle, Ninety Six, South Carolina, 1978

N

0 0.125 0.25 0.5 Miles

URS

Itron

Figure 1
Topographic Map

Land Use Numerical Key

1. Itron Property (Red Seal Measurement)
2. New Faith Tabernacle Church
3. Jesse's Diner
4. Express Check
5. Undeveloped Property - Virginia Smith
6. Country Homes Subdivision
7. CSX Railway
8. Brewer Middle School
9. Woodfields Elementary School
10. Private Residence - Virginia Smith
11. Private Residence - Barry Campbell
12. Private Residence - Sandra Smith
13. Undeveloped Property - Stockman Lands, Inc.
14. Velux Greenwood, Inc.
15. Former Phillips 66 Gas Station
16. Lil Cricket / Marathon Gas Station
17. Byrd Cemetery

Legend

- Itron Property Line (Approximate)
- Parcels/ Tracts
- Potential Private Water Supply Well
- Stream/Creek
- Pond
- CSX Railroad

N

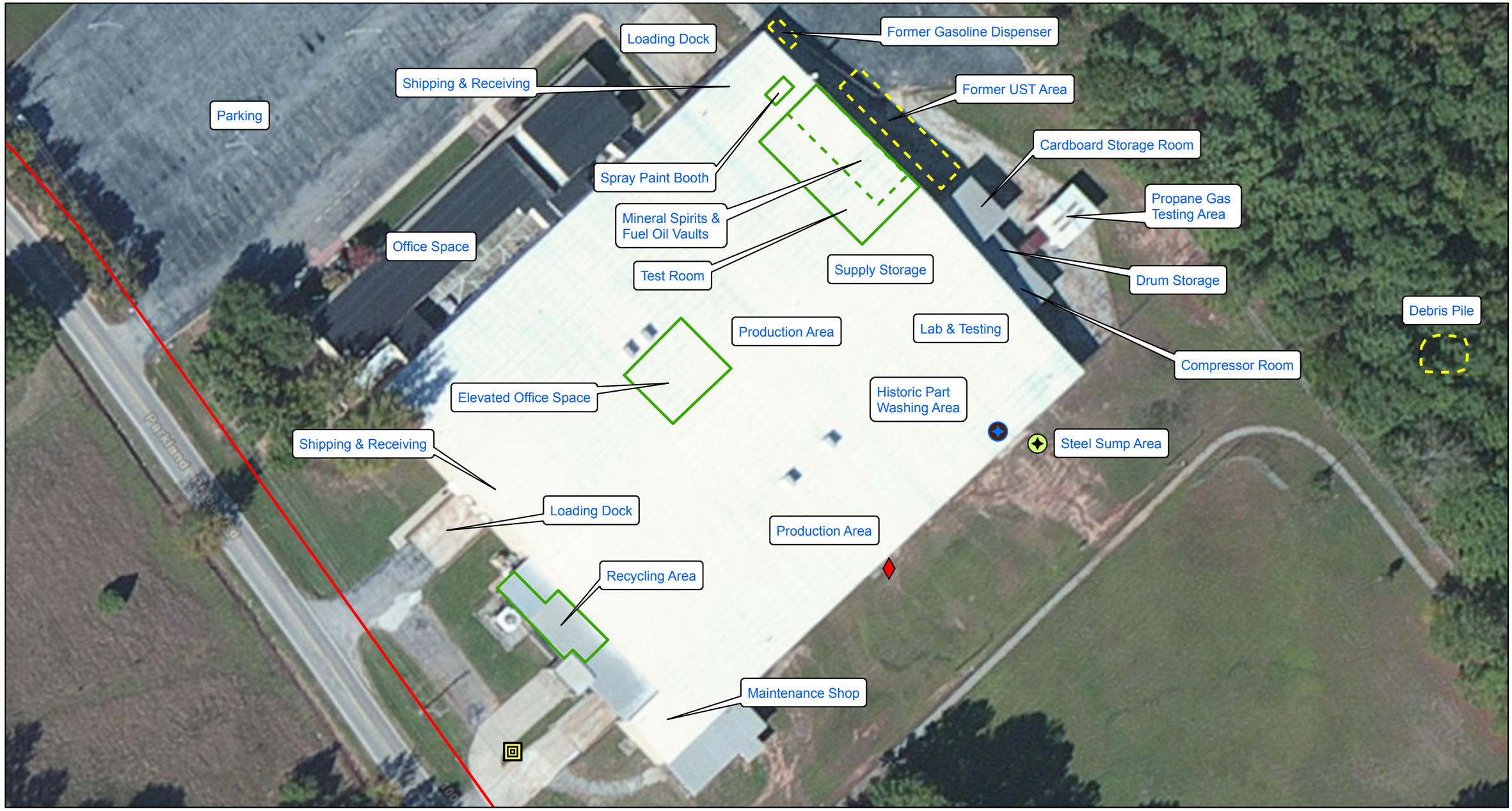
South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 800
Feet

URS

Itron

Figure 2
Site Vicinity Map



Legend

- Concrete Sump Pit
- Steel Sump
- Floor Sump
- Oil Water Separator
- Itron Property Line (Approximate)

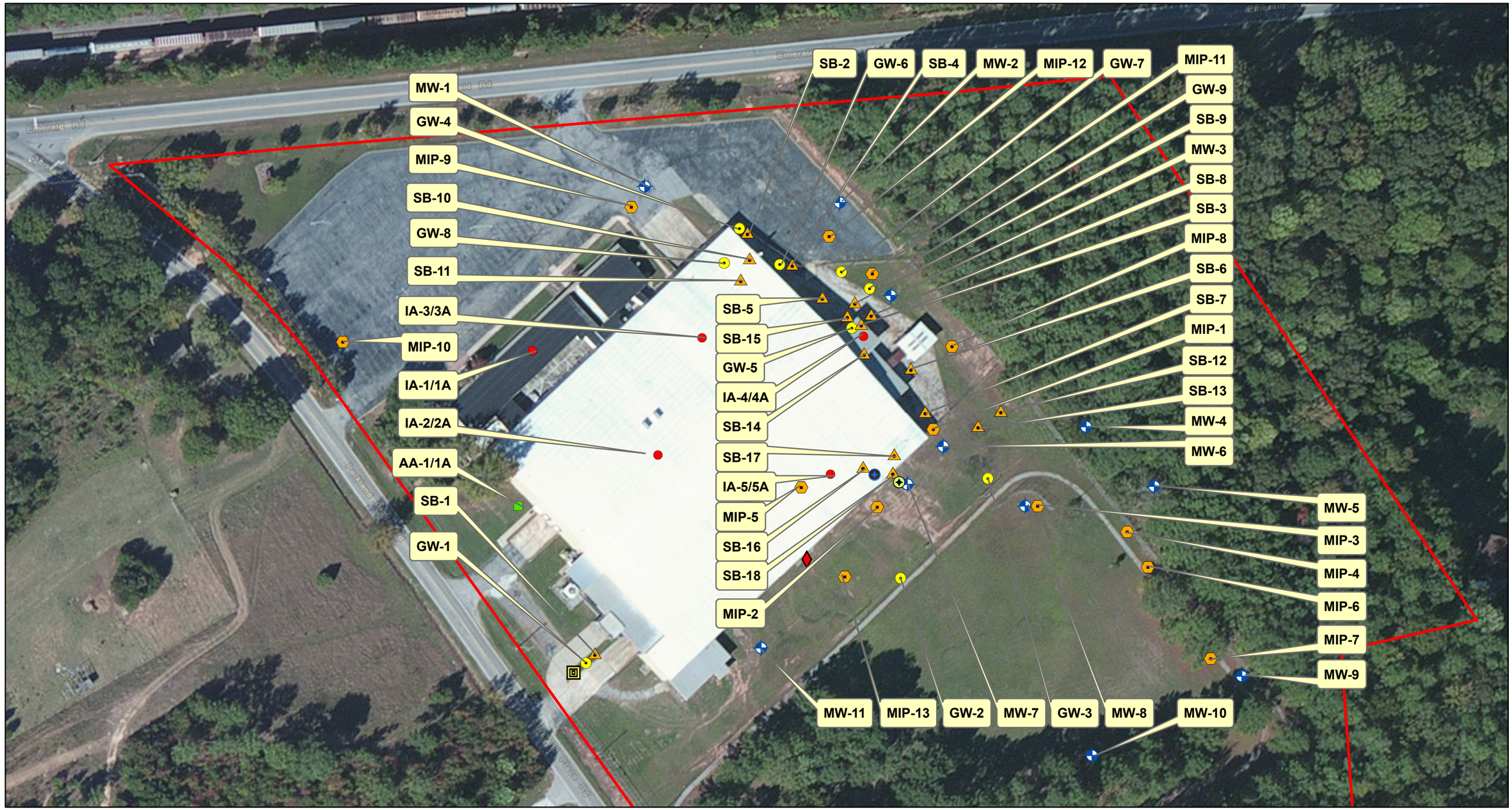
South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 25 50 100 Feet

URS

Itron

Figure 3
Site Features



Legend

- MIP Location
- Itron Property Line (Approximate)
- Oil Water Separator
- Steel Sump
- Floor Sump
- Concrete Sump Pit
- Indoor Air Sample Location
- Ambient Air Sample Location
- Soil Boring Location
- Shallow Monitoring Well
- Temporary Ground Water Sampling Location

N

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 40 80 160
Feet

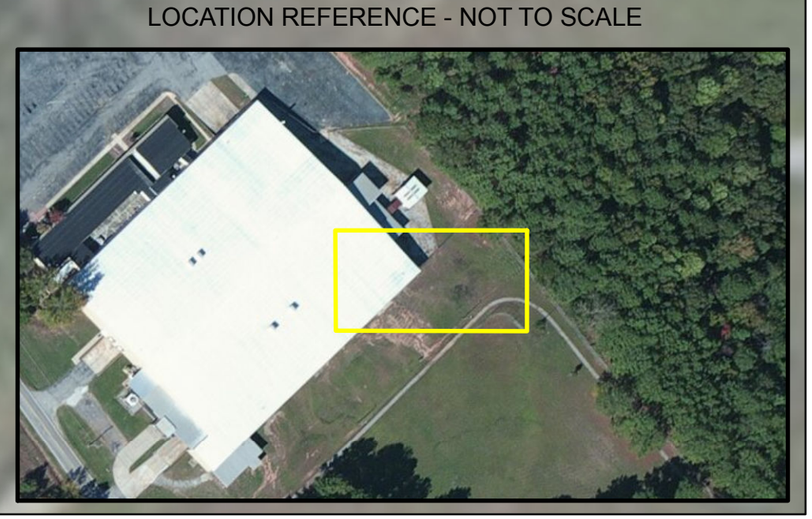
URS

Itron

Figure 4
Historic Sampling Locations

SB-35
SB-32
SB-7
SB-12
SB-34
SB-36
SB-13
SB-30
SB-33
MW-6
SB-21
SB-24
SB-27
SB-31
SB-17
SB-22
SB-16
SB-25
SB-28
SB-19
SB-20
SB-18
MW-7
SB-23
SB-26
SB-29

LOCATION REFERENCE - NOT TO SCALE



Legend

- Soil Boring Location
- Shallow Monitoring Well
- Floor Sump
- Steel Sump

N

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 5 10 20 30 40 Feet

URS

Itron

Figure 5
Soil Sampling Locations
(Steel Sump Area)

MW-2
SB-54
SB-55
Former Gasoline Dispenser
SB-56
SB-2
SB-57
SB-58
Former UST Area
SB-10
SB-4
Spray Paint Booth
SB-11
SB-38
SB-39
SB-40
MW-3
SB-5
SB-37
SB-9
SB-43
SB-41
SB-8
Cardboard Storage Room
SB-42
SB-3
SB-15
SB-46
SB-44
MW-12
SB-48
SB-45
SB-49
SB-47
SB-14
SB-6
SB-50
SB-51
SB-53
SB-52
MW-17

LOCATION REFERENCE - NOT TO SCALE

Legend

- Soil Boring Location
- Shallow Monitoring Well

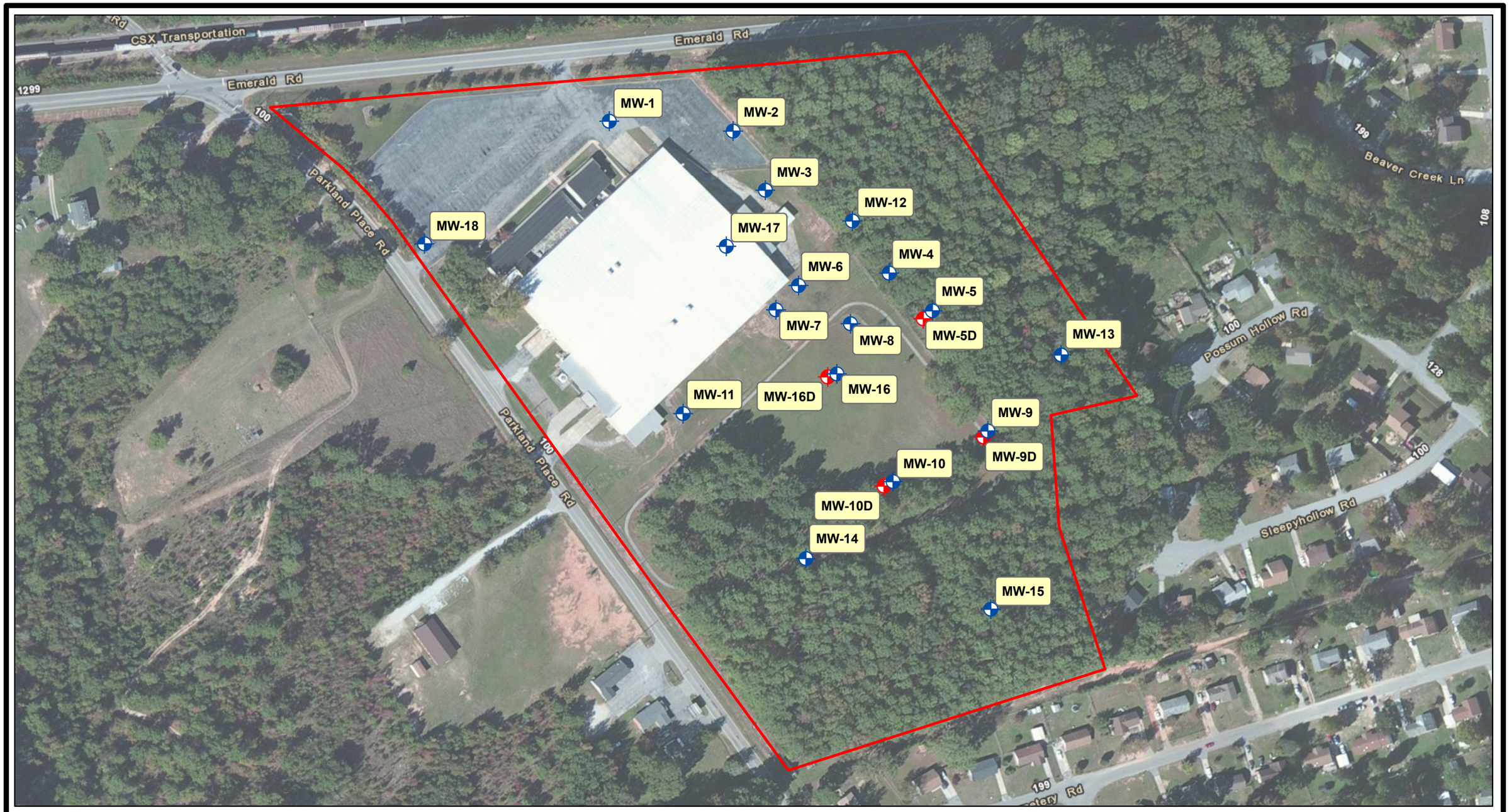
South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 20 40 Feet

URS

Itron

Figure 6
Soil Sampling Locations (Cardboard Storage and Former UST Area)



Legend

- Shallow Monitoring Well
- Deep Monitoring Well
- Itron Property Line (Approximate)

South Carolina State Plane, NAD 83
Zone 3900, International Feet

N

0 200 400 Feet

URS

Itron

Figure 7
Monitoring Well Location Map

Legend

- Soil Boring Location
- Shallow Monitoring Well
- Deep Monitoring Well
- Itron Property Line (Approximate)

South Carolina State Plane, NAD 83
Zone 3900, International Feet

N

0 10 20 40 60 80 Feet

URS

Itron

Figure 8
Soil Sampling Locations
(Debris Pile Area)

Legend

- Deep Monitoring Well
- Shallow Monitoring Well
- Soil Boring Location
- Itron Property Line (Approximate)
- Trace A-A' (MW-1, 17, 7, 16D, 16, 10D, 10, 15)
- Trace B-B' (MW-14, 10D, 10, 9D, 9, 13)
- Trace C-C' (MW-11, 7, 6, SB-30, SB-32, 12)
- Trace D-D' (MW-2, 3, 12, 4, 5D, 5, 9D)

N

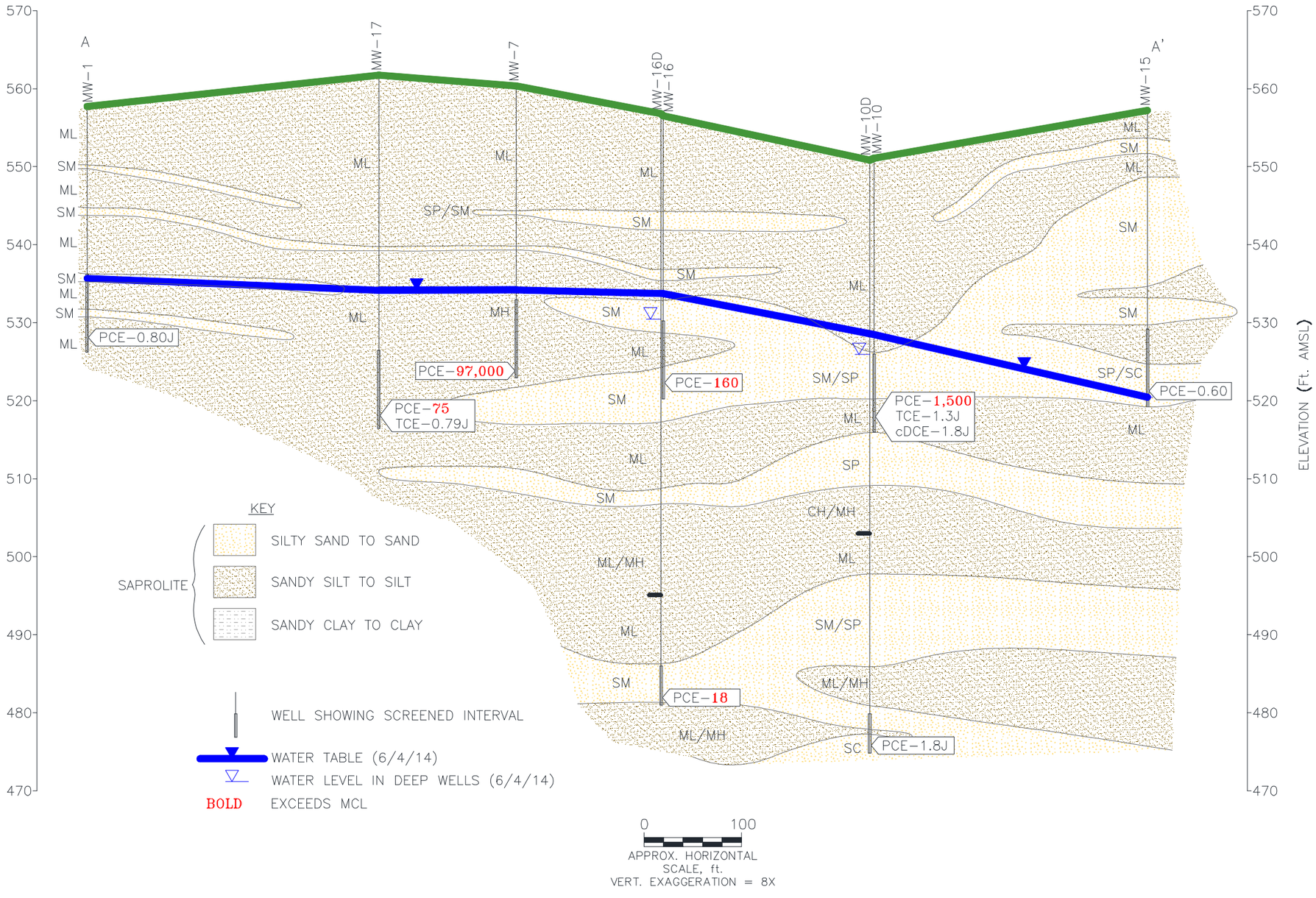
South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 Feet

URS

Itron

Figure 9
Trace of Geologic Cross Sections



Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
cDCE - cis - 1,2 Dichloroethene

All groundwater results reported in ug/L (micrograms per liter).

SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

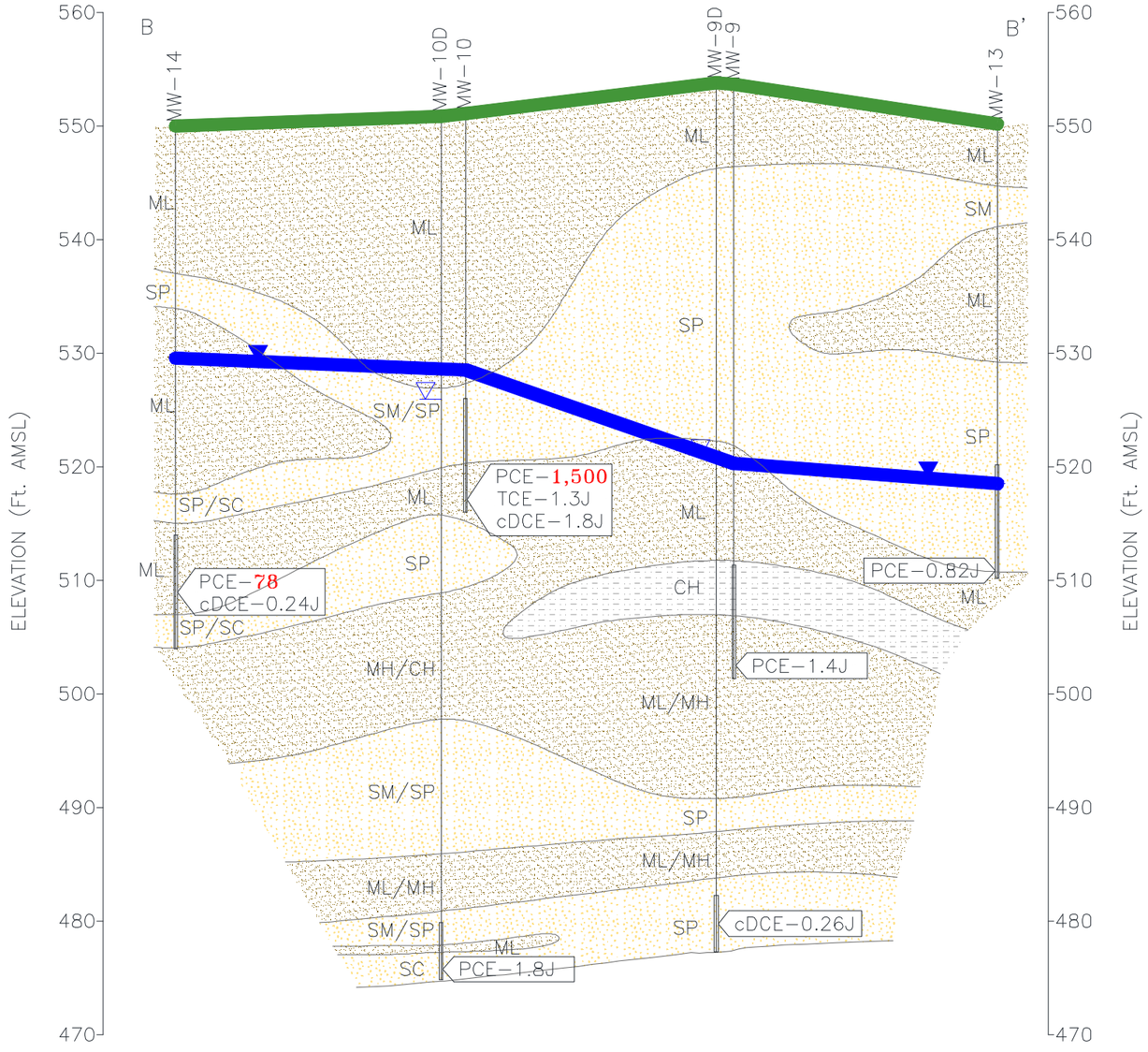
Red indicates concentrations above Maximum Contaminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

URS

Itron

Figure 10
Geologic Cross Section
A-A'



KEY

SAPROLITE

- SILTY SAND TO SAND
- SANDY SILT TO SILT
- SANDY CLAY TO CLAY

WELL SHOWING SCREENED INTERVAL

WATER TABLE (6/4/14)

WATER LEVEL IN DEEP WELLS (6/4/14)

BOLD EXCEEDS MCL

0 100

APPROX. HORIZONTAL SCALE, ft.
VERT. EXAGGERATION = 8X

Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
cDCE - cis - 1,2 Dichloroethene

All groundwater results reported in ug/L (micrograms per liter).

SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

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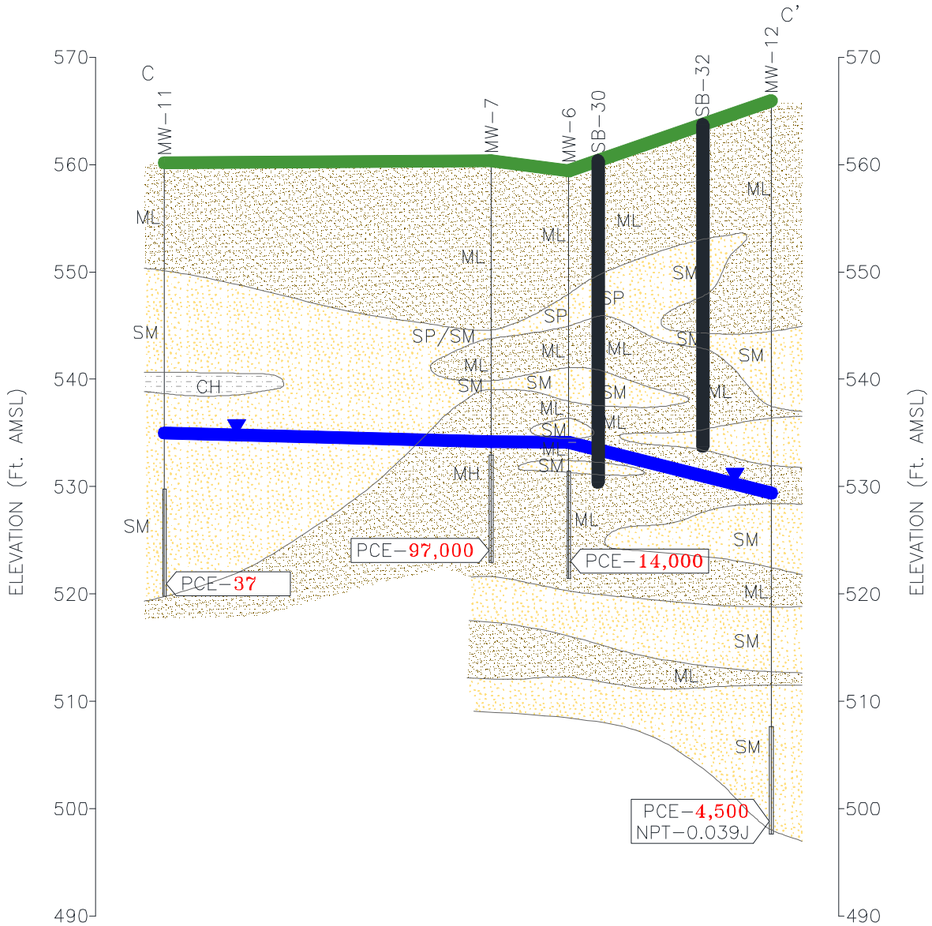
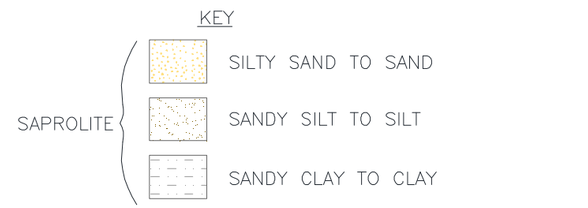
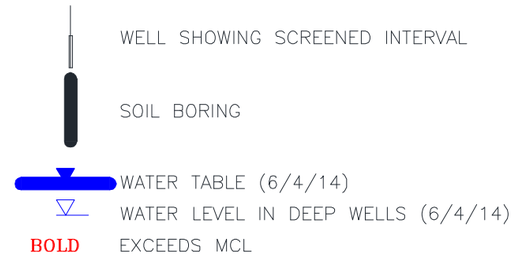
Figure 11
Geologic Cross Section
B-B'







Legend

J - Estimated Value
PCE - Tetrachloroethene
NPT - Naphthalene

All groundwater results reported in ug/L (micrograms per liter).

SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

URS

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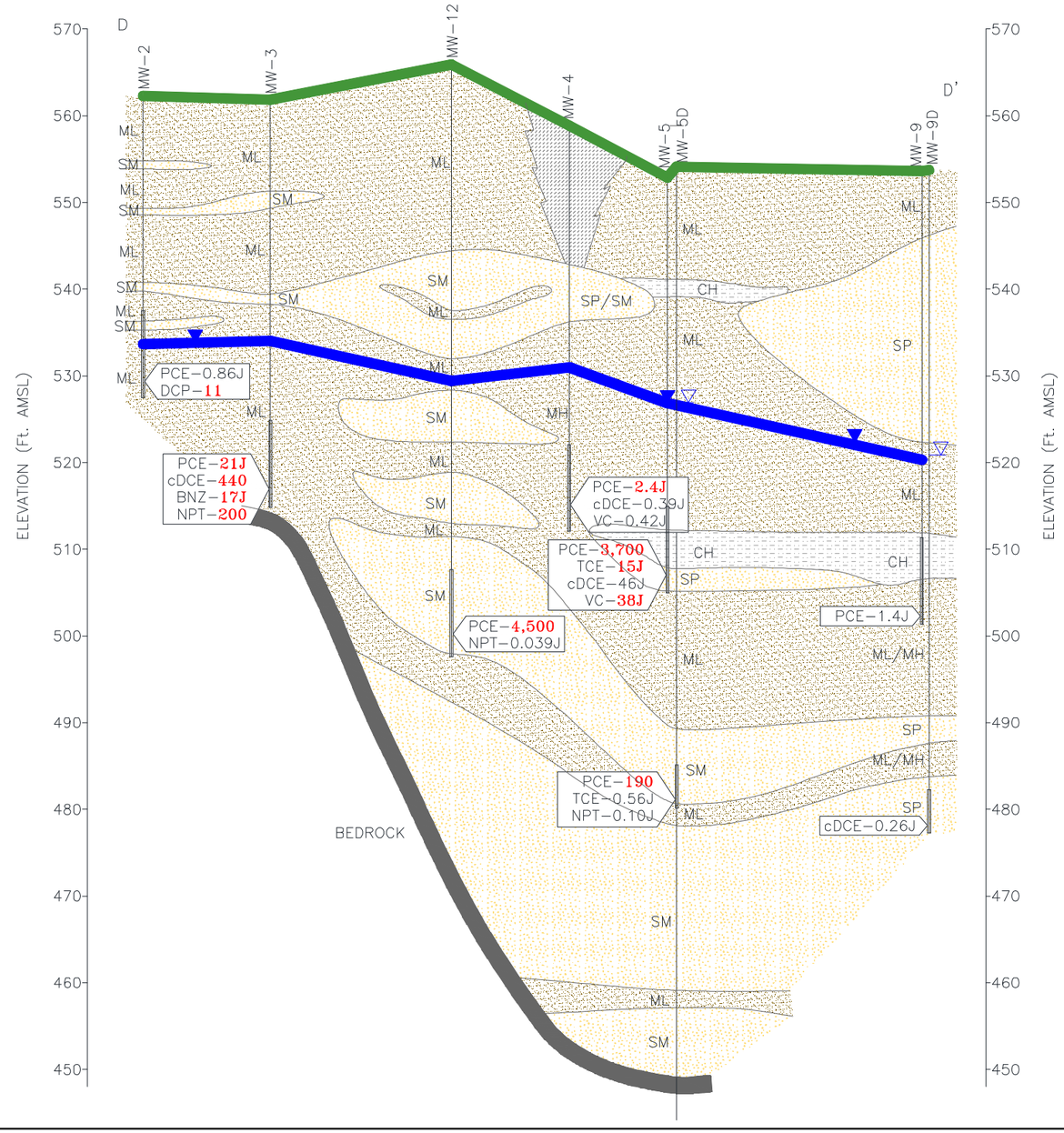
Figure 12
Geologic Cross Section
C-C'



KEY

SAPROLITE
- SILTY SAND TO SAND
- SANDY SILT TO SILT
- SANDY CLAY TO CLAY

FILL

BEDROCK

WELL SHOWING SCREENED INTERVAL

WATER TABLE (6/4/14)

WATER LEVEL IN DEEP WELLS (6/4/14)

BOLD EXCEEDS MCL

0 100

APPROX. HORIZONTAL SCALE, ft.
VERT. EXAGGERATION = 8X

Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
cDCE - cis - 1,2 Dichloroethene
VC - Vinyl Chloride
BNZ - Benzene
NPT - Naphthalene
DCP - 1,2 - Dichloropropane

SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

All groundwater results reported in ug/L (micrograms per liter).

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Itron

Figure 13
Geologic Cross Section
D-D'

Legend

- Shallow Monitoring Well
- Approximate Groundwater Flow Direction
- 523 Water Table Contour Line
- Itron Property Line (Approximate)

MSL - Mean Sea Level

530.48 - Water Elevation (feet above MSL)

Water levels measured June 4, 2014

N

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 Feet

URS

Itron

Figure 14
Potentiometric Surface Map (Upper Regolith)

Legend

- Deep Monitoring Well
- Approximate Groundwater Flow Direction
- 530 ----- Potentiometric Surface Contour Line (feet above MSL)
- Itron Property Line (Approximate)

MSL - Mean Sea Level

530.48 - Water Elevation (feet above MSL)

Water levels measured June 4, 2014

N

South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 200 400 Feet

URS

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Figure 15
Potentiometric Surface Map (Lower Regolith)

SB-34 (4/2/2014)
(6-7') 0.00082J
(17-18') 0.03
(25-26') 4.3J

SB-12 (3/14/2012)
(1') 0.25
(10') 0.049
(28') 1.8

SB-35 (4/2/2014)
(7-8') 0.04
(17-18') 1.1
(25-26') 0.38

SB-7 (1/11/2012)
(16-18') 0.024

SB-32 (4/2/2014)
(7-8') 0.40
(15-16') 0.0048J
(20-21') 0.33

SB-30 (4/1/2014)
(6-7') ND
(19-20') 0.0010J

SB-20 (5/10/2014)
(0-1') 0.12J
(10-11') 0.00088J
(23-24') 0.012

SB-17 (3/14/2012)
(6') 0.054
(24') 0.43

SB-21 (5/10/2014)
(0-1') 0.22
(8-9') 0.017
(27-28') 0.065J

SB-24 (3/31/2014)
(3-4') 0.0025J
(24-25') 0.015

SB-27 (4/1/2014)
(7-8') ND
(29-30') 0.91

MW-6 (3/13/2012)
(20') 0.029
(30') 0.39

SB-33 (4/1/2014)
(2-3') 0.00071J
(8-9') 0.00058J
(17-18') 0.62
(22-23') 0.097

SB-13 (3/14/2012)
(18') 0.024
(28') 0.19

SB-36 (4/2/2014)
(5-6') ND
(18-19') 0.00067J
(26-27') 0.0061

SB-31 (4/1/2014)
(6-7') 0.00055J
(25-26') 0.0061

SB-28 (4/1/2014)
(14-15') 0.0030J
(26-27') 0.62
(29-30') 2.4

SB-25 (3/31/2014)
(0-1') 5.6
(27-28') 11
(28-29') 14

SB-18 (3/15/2012)
(14') 0.052
(22') 0.16

SB-29 (4/1/2014)
(3-4') 0.95
(14-15') 0.073J
(22-23') 4.6
(27-28') 18

SB-19 (5/10/2014)
(0-1') 0.22J
(3-4') 0.0022J
(18-19') 0.068J

SB-16 (3/14/2012)
(8') 0.0078
(14') 0.013

SB-22 (3/31/2014)
(0-1') 0.092
(27-28') 0.16
(29-30') 0.29

SB-23 (3/31/2014)
(4-5') 0.32
(25-26') 0.45
(29-30') 0.19

MW-7 (3/14/2012)
(2') 62
(14') 0.72
(20') 0.6
(28') 3.4

SB-26 (3/31/2014)
(0-1') 31
(1-2') 18
(2-3') 2,600
(3-4') 4.7
(29-30') 2.2

LOCATION REFERENCE - NOT TO SCALE

Legend

- Soil Boring Location
- Shallow Monitoring Well
- Floor Sump
- Steel Sump

NOTES:
- Red indicates concentrations above Soil Screening Level (SSL) Protection of Groundwater.
- Other chemicals of concern (COCs) included in Table 6 of the Remedial Investigation (RI) Report.
- J - Estimated Value
- PCE - Tetrachloroethene
- ND - Not Detected
- (8'-10') - Depth Interval (Feet)
- All results reported in mg/kg (milligrams per kilogram)

N

0 5 10 20 30 40 Feet

South Carolina State Plane, NAD 83
Zone 3900, International Feet

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Figure 16
PCE Concentration Map - Soils (Steel Sump Area)

Former Gasoline Dispenser

SB-54 (4/4/2014)
(1-2') ND
(24-25') ND

SB-56 (4/8/2014)
(0-1') ND
(13-14') 0.042J
(28-29') ND

SB-2 (1/10/2012)
(8-10') ND
(14-16') ND

SB-57 (5/10/2014)
(0-1') 0.0011J
(4-5') ND
(9-10') ND

SB-10 (1/11/2012)
(2-4') ND
(14-16') ND

Spray Paint Booth

SB-11 (1/11/2012)
(0-2') ND
(6-8') ND

SB-55 (4/4/2014)
(11-12') 0.0008J
(24-25') 0.051J

SB-58 (4/8/2014)
(4-5') ND
(9-10') ND
(23-24') ND

SB-38 (4/8/2014)
(0-1') 0.0012J
(16-17') ND
(24-25') ND

Former UST Area

SB-4 (1/10/2012)
(10-12') ND
(18-20') ND

SB-42 (4/9/2014)
(0-1') 22J
(14-15') 0.0020J
(23-24') 39

SB-37 (4/8/2014)
(4-5') 0.27J
(23-24') 0.14J

SB-41 (4/8/2014)
(1-2') 0.034
(14-15') 2.2J
(23-24') 0.79J

LOCATION REFERENCE - NOT TO SCALE

SB-44 (4/3/2014)
(11-12') 0.0038J
(24-25') 220

SB-48 (4/3/2014)
(2-3') 18
(14-15') 2.7
(25-26') 0.053

SB-47 (4/3/2014)
(0-1') 0.074
(6-7') 0.0040J
(24-25') 0.36

SB-14 (3/14/2012)
(1') 8.3
(14') 0.27
(22') 7.4

Cardboard Storage Room

SB-5 (1/11/2012)
(14-16') 0.037
(18-20') 0.12

MW-2
NS

SB-39 (4/8/2014)
(5-6') ND
(14-15') ND
(22-23') ND

SB-40 (4/8/2014)
(17-18') ND
(23-24') 2.3

SB-9 (1/11/2012)
(16-18') ND

SB-15 (3/14/2012)
(8') ND
(24') 7.3

SB-43 (4/9/2014)
(7-8') 32J
(10-11') 71J
(19-20') 61

MW-3
NS

SB-8 (1/11/2012)
(10-12') ND

SB-3 (1/10/2012)
(0-2') 5.4
(8-10') 6.8

SB-45 (4/3/2014)
(0-1') 18
(3-4') 1,300
(15-16') 6,300
(21-22') 7,300

SB-46 (4/3/2014)
(3-4') 330
(15-16') 1,700J
(25-26') 2,900

SB-49 (4/3/2014)
(3-4') 8
(12-13') 0.094
(23-24') 0.45

SB-6 (1/11/2012)
(4-6') 0.069
(12-14') 0.024

SB-52 (4/4/2014)
(6-7') 0.00056J
(9-10') 0.00064J
(18-19') 0.0040J

SB-53 (4/4/2014)
(1-2') 0.014
(24-25') 0.099

MW-12 (5/12/2014)
(0-1') 0.025
(33-34') 0.47

MW-17 (5/10/2014)
(0-1') 0.00067J
(4-5') 0.00098J
(23-24') 0.0049

SB-51 (4/3/2014)
(2-3') 0.18
(9-10') 0.10
(23-24') 0.16

SB-50 (4/9/2014)
(0-1') 0.026
(10-11') 0.00092J
(19-20') ND

Legend

- Soil Boring Location
- Shallow Monitoring Well

NOTES:
- Red indicates concentrations above Soil Screening Level (SSL) Protection of Groundwater.
- Other chemicals of concern (COCs) included in Table 6 of the Remedial Investigation (RI) Report.
- J - Estimated Value
- PCE - Tetrachloroethene
- ND - Not Detected
- (8'-10') - Depth Interval (Feet)
- All results reported in mg/kg (milligrams per kilogram)

N

South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 20 40 Feet

URS

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Figure 17
PCE Concentration Map - Soils (Cardboard Storage and Former UST Area)

Former Gasoline Dispenser

SB-54 (4/4/2014)
(1-2') ND
(24-25') ND

SB-56 (4/8/2014)
(0-1') ND
(13-14') 8.1
(28-29') 15

SB-57 (5/10/2014)
(0-1') ND
(4-5') ND
(9-10') ND

SB-10 (1/11/2012)
(2-4') ND
(14-16') ND

Spray Paint Booth

SB-11 (1/11/2012)
(0-2') ND
(6-8') ND

SB-55 (4/4/2014)
(11-12') ND
(24-25') 3.9

SB-2 (1/10/2012)
(8-10') 8.5
(14-16') 5.3

SB-58 (4/8/2014)
(4-5') ND
(9-10') ND
(23-24') ND

SB-4 (1/10/2012)
(10-12') ND
(18-20') ND

Former UST Area

SB-5 (1/11/2012)
(14-16') ND
(18-20') ND

SB-37 (4/8/2014)
(4-5') ND
(23-24') 2.9

SB-41 (4/8/2014)
(1-2') ND
(14-15') 0.23J
(23-24') 0.12J

SB-42 (4/9/2014)
(0-1') ND
(14-15') ND
(23-24') 0.14J

Cardboard Storage Room

SB-44 (4/3/2014)
(11-12') ND
(24-25') 1.2

SB-47 (4/3/2014)
(0-1') ND
(6-7') ND
(24-25') ND

SB-48 (4/3/2014)
(2-3') ND
(14-15') ND
(25-26') ND

MW-17
NS

SB-14
NS

SB-38 (4/8/2014)
(0-1') ND
(16-17') ND
(24-25') ND

SB-39 (4/8/2014)
(5-6') 0.026J
(14-15') 0.45
(22-23') 0.46

MW-2
NS

SB-40 (4/8/2014)
(17-18') 0.063J
(23-24') 2.0

SB-9 (1/11/2012)
(16-18') ND

SB-15
NS

SB-51 (4/3/2014)
(2-3') ND
(9-10') ND
(23-24') ND

SB-43 (4/9/2014)
(7-8') ND
(10-11') ND
(19-20') 0.96

MW-3
NS

SB-8 (1/11/2012)
(10-12') ND

SB-3 (1/10/2012)
(0-2') ND
(8-10') ND

SB-45 (4/3/2014)
(0-1') ND
(3-4') ND
(15-16') 5.9
(21-22') 7.7

SB-46 (4/3/2014)
(3-4') 0.038J
(15-16') 4.4
(25-26') 2.0J

SB-49 (4/3/2014)
(3-4') ND
(12-13') ND
(23-24') ND

SB-6 (1/11/2012)
(4-6') ND
(12-14') ND

SB-52 (4/4/2014)
(6-7') ND
(9-10') ND
(18-19') ND

SB-53 (4/4/2014)
(1-2') ND
(24-25') ND

SB-50 (4/9/2014)
(0-1') ND
(10-11') ND
(19-20') ND

MW-12
NS

LOCATION REFERENCE - NOT TO SCALE

Legend

- Soil Boring Location
- Shallow Monitoring Well

NOTES:
- Red indicates concentrations above Risk-Based Screening Levels (RBSL).
- Other chemicals of concern (COCs) included in Table 6 of the Remedial Investigation (RI) Report.
- J - Estimated Value
- NS - Not Sampled
- ND - Not Detected
- (8'-10') - Depth Interval (Feet)
- All results reported in mg/kg (milligrams per kilogram)

N

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 20 40 Feet

URS

Itron

Figure 18
Naphthalene Concentration Map - Soils (Cardboard Storage and Former UST Area)

Legend

- Soil Boring Location
- Deep Monitoring Well
- Shallow Monitoring Well
- Itron Property Line (Approximate)

NOTES:

- Red indicates concentrations above Soil Screening Level (SSL) Protection of Groundwater.
- Other chemicals of concern (COCs) included in tables of Remedial Investigation (RI) Report.

- PCE Tetrachloroethene
- (4'-5') - Depth Inteval (Feet)
- All results reported in mg/kg (milligrams per kilogram)

South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 10 20 40 60 80 Feet

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Itron

Figure 19
PCE Concentration Map - Soils (Debris Pile Area)

Legend

- Shallow Monitoring Well
- Deep Monitoring Well
- Itron Property Line (Approximate)

- J – Estimated Value
- NS - Not Sampled
- ND - Not Detected

NOTES:

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

All results reported in mg/kg (micrograms per kilogram).

Only detections above laboratory reporting limit included. Other COCs included in Table 6 of the Remedial Investigation (RI) Report.

N

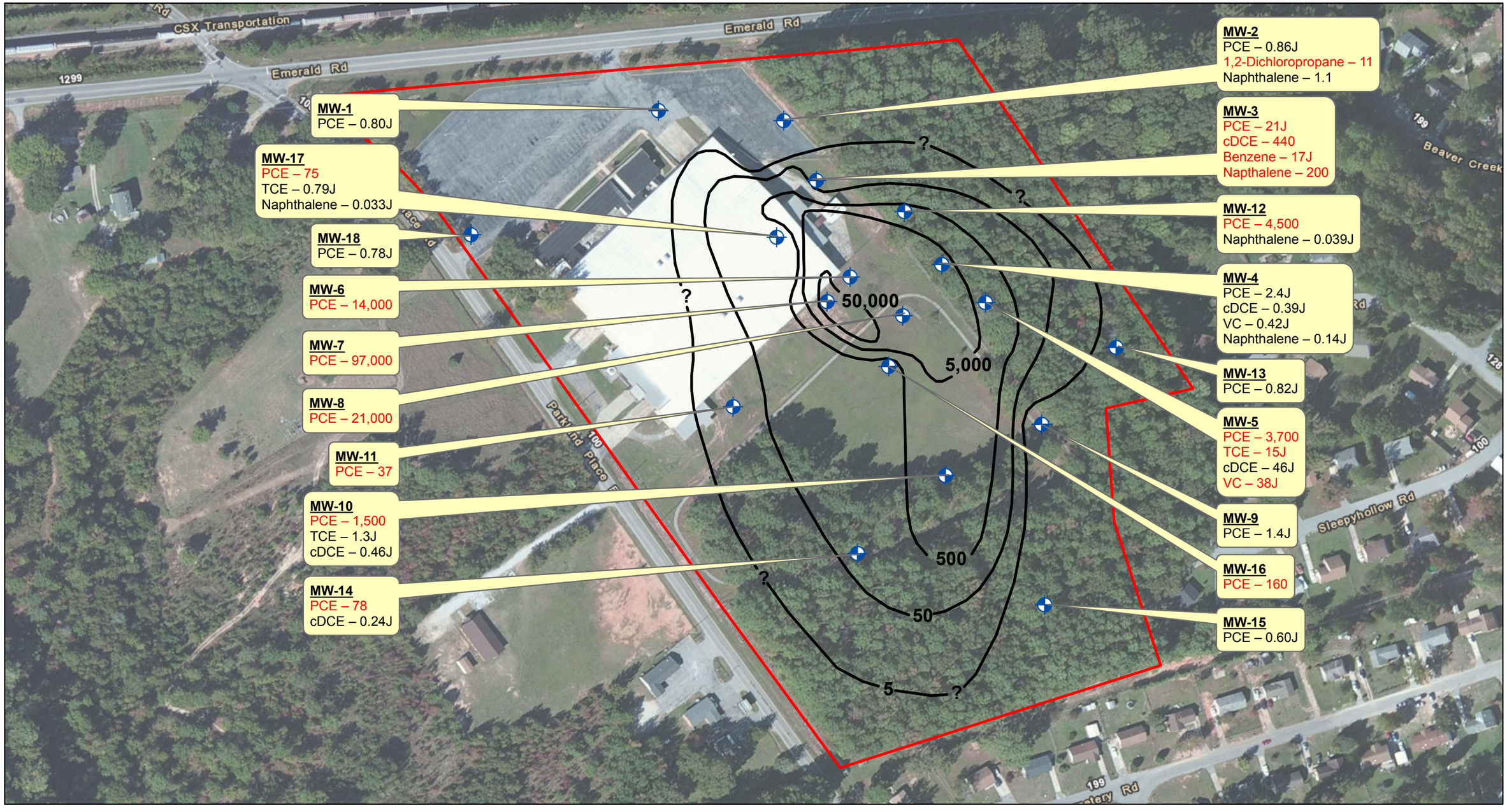
South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 200 400 Feet

URS

Itron

Figure 20
PCE Concentration Map - Soils (Monitoring Wells)



Legend

- Shallow Monitoring Well
- Itron Property Line (Approximate)
- 5 PCE Isoconcentration Contours (ug/L) - queried (?) where uncertain.

NOTES:

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

All results reported in µg/l (micrograms per liter).

Only Chemicals of Concern (COCs) above laboratory reporting limit included. Other COCs included in Table 8 of the Remedial Investigation (RI) Report.

Sample Date: June 4-5, 2014

The result for MW-4 was anomalously low (due possibly to low permeability silt in which the screen was set) and, therefore, was not used in preparing the map.

- J – Estimated Value
- PCE – Tetrachloroethene
- TCE – Trichloroethene
- cDCE – cis-1,2-Dichloroethene

N

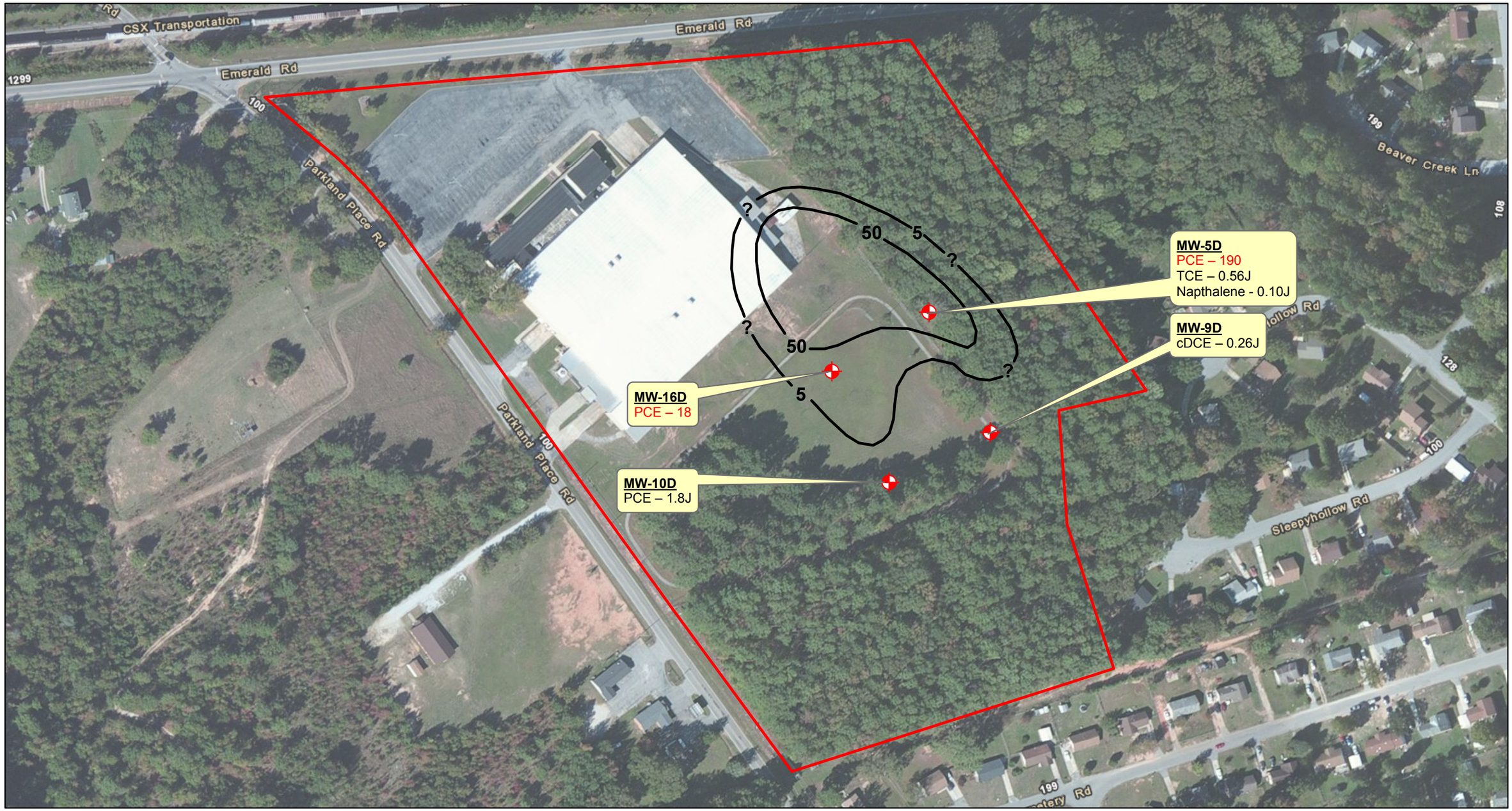
South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 200 400 Feet

URS

Itron

Figure 21
Distribution of COCs in Upper Regolith



Legend

- Deep Monitoring Well
- Itron Property Line (Approximate)
- 5 PCE Isoconcentration Contours (ug/L) - queried (?) where uncertain.

NOTES:

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

All results reported in µg/l (micrograms per liter).

Only Chemicals of Concern (COCs) above laboratory reporting limit included. Other COCs included in Table 8 of the Remedial Investigation (RI) Report.

Sample Date: June 4-5, 2014

- J – Estimated Value
- PCE – Tetrachloroethene
- TCE – Trichloroethene
- cDCE – cis-1,2-Dichloroethene

N

South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 200 400 Feet

URS

Itron

Figure 22
Distribution of COCs in Lower Regolith

Appendix A: Photo Log

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 1

View Direction of Photo: Southwest

Date of Photo: 03/31/2014

Description:

Inside of temporary fence compound located near northeast corner of the property. Compound was utilized as a staging area for Investigative Derived Waste Drums (IDW) during the course of the Remedial Investigation (RI).

Photo No. 2

View Direction of Photo: Southeast

Date of Photo: 03/31/2014

Description:

Outside of temporary fence compound/IDW storage area.

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 3

View Direction of Photo: Southeast

Date of Photo: 04/02/2014

Description:

Geoprobe® crew set up and advancing macrocores at soil boring SB-35 located near fence line southeast of the building.

Photo No. 4

View Direction of Photo: Southeast

Date of Photo: 04/02/2014

Description:

Field work station set up in field south of the building while conducting soil investigation activities near the southeast corner of the building.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 5

View Direction of Photo: Northeast

Date of Photo: 04/03/2014

Description:

Backhoe excavating soil near metal sump pit as part of drain line investigation activities.

Photo No. 6

View Direction of Photo: Northwest

Date of Photo: 04/03/2014

Description:

Area excavated near metal sump pit during drain line investigation activities.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 7

View Direction of Photo: Southwest

Date of Photo: 04/03/2014

Description:

Area excavated near metal sump pit during drain line investigation activities exposing inlet line leading from floor sump inside building.

Photo No. 8

View Direction of Photo: NA

Date of Photo: 04/03/2014

Description:

Area excavated near fence line of property east-southeast of building during drain line investigation activities.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 9

View Direction of Photo: Southeast

Date of Photo: 04/09/2014

Description:

Geoprobe® crew set up and advancing macrocores at soil boring SB-43 located outside the cardboard storage room on the east side of the building.

Photo No. 10

View Direction of Photo: Northwest

Date of Photo: 04/09/2014

Description:

Two drums of IDW stored in staging area following soil investigation activities conducted in March/April 2014.

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 11

View Direction of Photo: NA

Date of Photo: 04/09/2014

Description:

Label on drum of IDW following soil investigation activities conducted in March/April 2014.

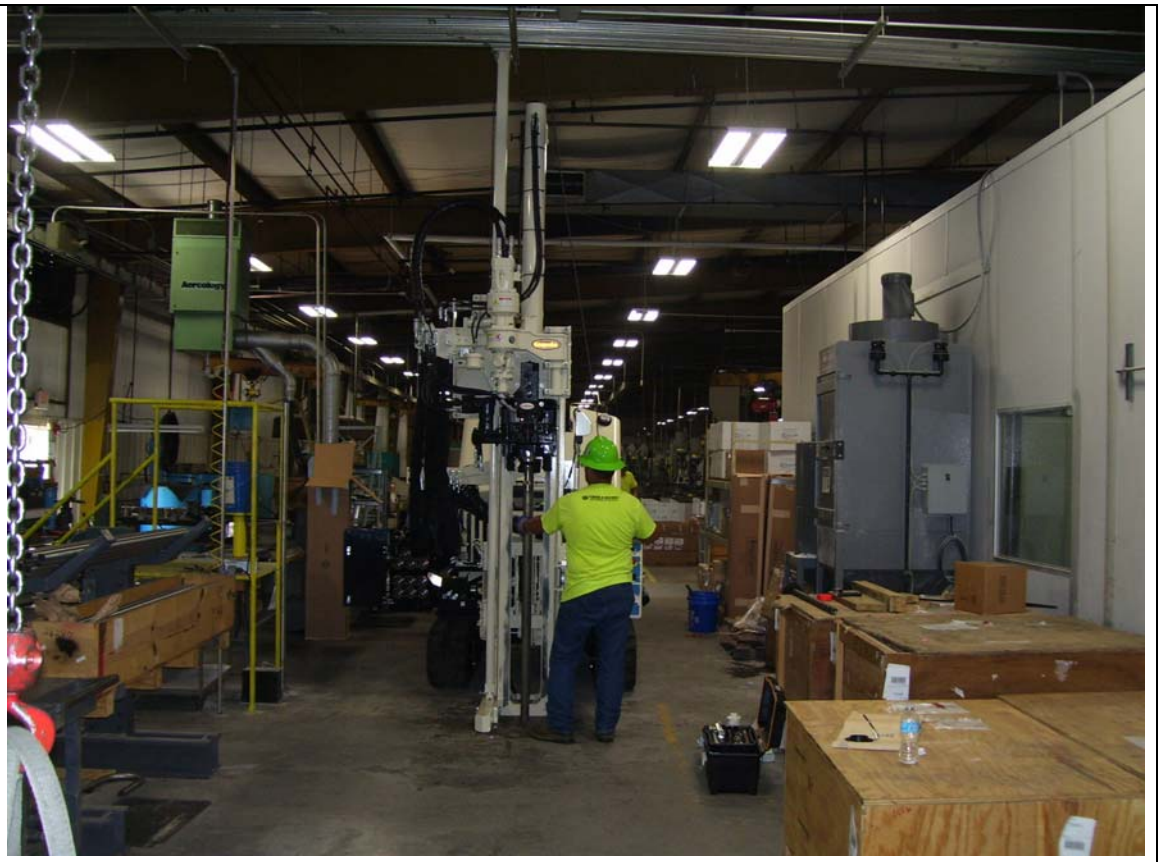
Photo No. 12

View Direction of Photo: Southwest

Date of Photo: 05/10/2014

Description:

Geoprobe® crew set up and advancing macrocores at soil boring SB-21 located near the southeast corner of the building.



PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 13

View Direction of Photo: Northwest

Date of Photo: 05/10/2014

Description:

Exhaust pipe connected to Geoprobe® and vented outside building while inside soil investigation activities were being conducted.

Photo No. 14

View Direction of Photo: Southeast

Date of Photo: 05/10/2014

Description:

Drill crew coring through concrete floor slab to access subsurface to advance soil boring SB-57 located near the northeast corner of the building.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 15

View Direction of Photo: NA

Date of Photo: 05/10/2014

Description:

View of soil core from SB-19, located inside the southeast corner of the building, at the approximate 20-foot depth interval.

Photo No. 16

View Direction of Photo: Southwest

Date of Photo: 05/12/2014

Description:

Sonic track-rig set up on monitoring well MW-18 in parking lot near Parkland Place Road and the northwest corner of the building.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 17

View Direction of Photo: NA

Date of Photo: 05/12/2014

Description:

View of soil core from MW-18 at the approximate 5-foot depth interval.

Photo No. 18

View Direction of Photo: NA

Date of Photo: 05/12/2014

Description:

View of soil core from MW-18 at the approximate 19-foot depth interval.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 19

View Direction of Photo: North

Date of Photo: 05/12/2014

Description:

Sonic track-rig set up on monitoring well MW-12 located east of the building in a wooded area outside the property's fence line.

Photo No. 20

View Direction of Photo: South

Date of Photo: 05/12/2014

Description:

Sonic track-rig set up on monitoring well MW-12.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 21

View Direction of Photo: NA

Date of Photo: 05/12/2014

Description:

View of soil core from MW-12 at the approximate 10-foot depth interval.

Photo No. 22

View Direction of Photo: NA

Date of Photo: 05/12/2014

Description:

View of soil core from MW-12 at the approximate 55-foot depth interval.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 23

View Direction of Photo: South

Date of Photo: 05/14/2014

Description:

Sonic truck-rig set up on monitoring well MW-14 located near the southwest corner of the property inside the fence line.

Photo No. 24

View Direction of Photo: Southeast

Date of Photo: 05/15/2014

Description:

Sonic track-rig set up on monitoring well MW-13 located southeast of the building in a wooded area near the property line, which borders a residential neighborhood.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 25

View Direction of Photo: NA

Date of Photo: 05/15/2014

Description:

View of soil core from MW-14 at the approximate 32-foot depth interval.

Photo No. 26

View Direction of Photo: NA

Date of Photo: 05/15/2014

Description:

View of soil core from MW-12 at the approximate 8-foot depth interval.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 27

View Direction of Photo: NA

Date of Photo: 05/20/2014

Description:

View of monitoring well MW-18 during well development activities following installation of the well.

Photo No. 28

View Direction of Photo: Northwest

Date of Photo: 05/21/2014

Description:

Partially buried drum in debris pile located in the woods outside the fence line and southeast of the building. Location of soil borings SB-59 and SB-60.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 29

View Direction of Photo: East

Date of Photo: 05/21/2014

Description:

URS personnel conducting site reconnaissance of the wooded area located outside the fence line and east-southeast of the building.

Photo No. 30

View Direction of Photo: Southeast

Date of Photo: 05/21/2014

Description:

View of MW-13 completed with locking, metal stick-up enclosure, concrete pad and bollards.

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 31

View Direction of Photo: Northwest

Date of Photo: 05/21/2014

Description:

Drums of IDW stored in staging area following well installation activities conducted in May 2014.

Photo No. 32

View Direction of Photo: NA

Date of Photo: 05/21/2014

Description:

Label on drum of IDW following monitoring well installation activities conducted in May 2014.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	33764587

Photo No. 33

View Direction of Photo: Northwest

Date of Photo: 07/22/2014

Description:

Pick up of IDW drums by waste hauler.

Photo No. 34

View Direction of Photo: South

Date of Photo: 07/31/2014

Description:

Removal of temporary fence used for IDW storage.

Appendix B: Soil Boring Logs

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-19

Sheet 1 of 1

Date(s) Drilled	**5/10/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside building, southeast corner**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-19 (0'-1')			9.6			Concrete slab	SABC
								Commercially crushed limestone	
					13.8		ML	Moderate reddish brown fine sandy SILT, little mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				100	18.2				
		SB-19 (3'-4')			58.2				PP = 3.0 TSF
					40.3		SM	White silty fine SAND, little mica, dusky brown seams with moderate orange pink inclusions (dry) (loose) SAPROLITE (no odor)	
	5				39.0				
					26.9		ML	Moderate brown fine sandy SILT, some mice, dark yellowish orange and dusky brown banding (dry) (soft) (low plasticity) SAPROLITE (no odor)	
				100	20.7				
					16.9				
					24.8				PP = 0.25 TSF
	10				49.6				
					35.1				
				100	24.2				
					16.2				
					17.7				
	15				23.1				
					21.0				
				100	13.5				
					28.8		SP	Medium to coarse quartz seam (moderate odor)	
		SB-19 (18'-19')					ML	Dark yellowish orange fine sandy SILT, little mica, dusky brown banding (moist) (soft) (low plasticity) SAPROLITE (no odor)	
					10.7				PP = 0.25 TSF
	20				12.3				
					10.6				
				100	18.1				
					10.0				
					9.0				
	25				12.2				
					12.7				
				100	10.7				PP = 1.0 TSF
					2.4			28 ft ▼	
					12.4				
	30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-20

Sheet 1 of 1

Date(s) Drilled	**5/10/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside building, southeast corner**		

Elevation, feet / Downhole Depth, feet	SAMPLES: Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0	SB-20 (0'-1')			4.8			Concrete slab	SABC
				16.1			Commercially crushed limestone	
						ML	Moderate reddish brown fine sandy SILT, little mica, massive, homogeneous (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
			100	21.2				
				16.7				PP = 3.5 TSF
				11.1				
5				11.2			Coarsening downward	
				16.8				
			100	14.9		SM	Moderate reddish orange silty fine SAND, little mica, medium orange-pink and light red mottling (dry) (very loose) SAPROLITE (no odor) (greasy texture)	
				7.4			White medium sand seam, fining downward	
				16.7				
10	SB-20 (10'-11')			37.9		ML	Dark yellowish orange fine sandy SILT, little mica, light brown to dusky brown mottling (dry) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)	
				34.8				
			100	32.8				PP = 0.25 TSF
				17.8				
				20.6				
15				19.7				
				25.6				
			100	21.4				
				28.7		SM	White fine silty SAND, little mica, fine quartz (dry) (very loose)	
						ML	SAPROLITE (no odor)	
				9.1			Dark yellowish orange fine sandy SILT, little mica, dusky brown banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)	
20				5.9				
				19.9				PP = 0.75 TSF
			100	21.5				
	SB-20 (23'-24')			40.6				
				34.5				
25				27.2				
				36.1				
			100	12.1				PP = 1.0 TSF
							28 ft ▼	
				22.3				
				14.6				
30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-21

Sheet 1 of 1

Date(s) Drilled	**5/10/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside building, southeast corner**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-21 (0'-1')			4.3			Concrete slab	SABC
					13.9		ML	Commercially crushed limestone Moderate reddish brown, fine sandy SILT, massive, homogeneous (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				100	16.8				
					10.9				PP = 3.0 TSF
					12.9				
	5				13.0			Coarsening downward	
					8.7		SM	Moderate reddish brown, light brown, very pale orange mottling, silty fine SAND, little mica (dry) (very loose) SAPROLITE (no odor)	
				100	7.7				
		SB-21 (8'-9')			17.8				
					13.0			Fining downward	
	10				10.8		ML	Moderate yellowish brown fine sandy SILT, little mica, white sand, medium orange-pink mottling (dry) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)	
					8.9				
				100	8.0				PP = 0.25 TSF
					6.0				
					9.1				
	15				5.7				
					11.6				
				85	11.2				PP = 0.25 TSF
					8.6				
					6.5				
	20				8.4				
		SB-21 (27'-28')			14.4				
				100	8.7				
					5.5				
					17.1				
	25				8.2			Becoming moist at 25' Dark yellowish brown fine sandy SILT, little medium sand and mica, moderate yellowish brown banding (wet) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)	
					13.8				
				100	21.9				PP = 0.25 TSF
					20.6			28 ft ▼	
					30.3				
	30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-22

Sheet 1 of 1

Date(s) Drilled	**3/31/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, immediately adjacent to walls**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-22A (0'-1')		75	4.6		ML	Medium gray commercially crushed stone Reddish brown SILT, few fine sand and mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
					3.1				
					6.3				
					3.7				
	5			80	5.0			Grading coarsening downward, little fine sand, yellow-red mottling	
					4.4				
					6.3		SM	Reddish brown silty fine SAND, little mica, yellow-red mottling (moist) SAPROLITE (no odor)	
					3.2				
				90	4.1				
					4.1				
	10				6.7		ML	Olive brown SILT, yellow-red mottling (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
					3.1				
					2.4			Grading coarsening downward	
				95	3.8				
					3.8				
	15				4.9		SP	Light gray poorly graded fine to medium SAND, little mica, yellow-red mottling (moist) (loose) SAPROLITE (no odor)	
					4.0				
				100	3.7				
					4.8				
					4.3				
	20				5.8		ML	Light yellowish brown SILT, little fine sand and mica (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
				100	3.4				
					3.7			Grading red mottling to 24'	
					5.8				
					18.1				
	25			95	13.3				
					23.6				
		SB-22 (27'-28')			24.4		SP	White fine to medium SAND (wet) SAPROLITE (no odor) 28 ft ▼	
					20.9		ML	Light yellowish brown SILT, little fine sand and mica, massive (wet) SAPROLITE (no odor)	
		SB-22 (29'-30')		100	107.4				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-23

Sheet 1 of 1

Date(s) Drilled	**3/31/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, immediately adjacent to MW-7**		

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			81	6.0		SM	Dusky brown silty fine SAND, little roots (dry) TOPSOIL (no odor)	
				11.8		ML	Reddish brown SILT, little fine sand (moist) (soft) SAPROLITE (no odor)	
				45.7				
				72.6				
5	SB-23A (4'-5')		85	16.1		SM	Yellowish gray to light yellowish brown silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)	
				19.7				
				7.1				
				20.2		ML	Yellow-red SILT, little fine sand and mica, yellowish-gray mottling (moist) (stiff) (non-plastic) SAPROLITE (no odor)	
10			85	4.9				
				4.7				
				31.0				
				8.5				
			89	5.2				
				5.4				
15				10.1				
				12.3				
			100	10.4		SP	Light gray to white poorly graded fine SAND, some medium sand, little silt and mica (moist) (loose) SAPROLITE (moderate odor)	
				11.3				
				29.1				
20				11.2				
				45.7				
			86	140.9				
				139.6		ML	Light olive gray SILT, little fine sand and mica, massive (medium stiff) SAPROLITE (strong solvent odor)	
				48.2		SP	White fine to coarse SAND, SAPROLITE (no odor)	
				56.0		ML	Dark olive gray SILT, little fine sand and mica (moist) (low plasticity) SAPROLITE (no odor)	
25	SB-23 (25'-26')		85	209.9				
				50.3				
				40.2				
			100	88.3		SM	Light gray to yellow silty fine SAND, some silt, little mica (wet) (loose) SAPROLITE (no odor) 28 ft ▼	
30	SB-23 (29'-30')			172.4				
							Boring completed to 30.0' bgs.	

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-24

Sheet 1 of 1

Date(s) Drilled	**3/31/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, next to building**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				0.0		ML	Commercially crushed stone	
				0.8			Reddish brown SILT, some fine sand, few mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
			75	0.1				
	SB-24A (3'-4')			0.0				
				0.0				
5				0.0		SM	Reddish brown silty fine SAND (moist) (loose) (non-plastic) SAPROLITE (no odor)	
			90	0.1				
				0.6				
				0.1		ML	Olive brown SILT, little fine sand, little mica, medium yellow-red mottling (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
10			100	0.4				
				0.8				
				1.1				
				1.6				
			89	0.7				
15				1.7				
				1.8				
				2.6		SM	Olive brown silty fine SAND, little mica, dark yellow-orange mottling (moist) (dense) (low plasticity) SAPROLITE (no odor)	
			92	2.1				
				1.4				
20				2.0				
				2.7		ML	Olive brown SILT, little fine sand, some mica (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			100	3.1				
				4.2				
				6.3		SM	Light gray silty SAND, few mica (moist) (loose) (non-plastic) SAPROLITE (no odor)	
	SB-24 (24'-25')			1.3				
25			100	1.5				
				3.1		ML	Olive brown SILT, little fine sand, some mica (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
				4.2			28 ft ▼	
				4.4			Grading (wet)	
			100	6.1				
30							Boring completed to 30.0' bgs.	

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-25

Sheet 1 of 1

Date(s) Drilled	**3/31/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, north of steel sump**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-25A (0'-1')		90	3.9		SM	Silty SAND, TOPSOIL	
					16.6		ML	Reddish brown SILT, few fine sand, few mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
					8.1				
					5.6				
	5			100	6.8		SM	Reddish brown silty fine SAND, some silt, little mica (dry) SAPROLITE (no odor)	
					11.1		ML	Reddish brown SILT, few fine sand, few mica, massive (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
					11.7				
					8.7				
				85	10.6				
	10				6.5			Grading olive brown (non-plastic)	
					6.7				
					12.1				
				90	6.8				
					7.6				
					6.4				
	15				3.2				
					7.6				
				89	10.3		SP	Light gray to white, poorly graded fine SAND, few silt, little medium sand, little mica (moist to dry) (loose) SAPROLITE (no odor)	
					10.9				
					8.2				
	20				5.5		ML	Light yellowish brown SILT, massive (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
					9.8				
				85	18.4				
					17.5				
					10.6		SM	White to light gray silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)	
	25			95	21.4		ML	Light yellowish brown SILT, massive (wet) (stiff) (low plasticity) SAPROLITE (no odor)	
		SB-25 (27'-28')			67.3				
					154.5				
		SB-25 (28'-29')			255.7			28 ft ▼	
				100	99.7				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-26

Sheet 1 of 1

Date(s) Drilled	**3/31/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 12 ft southeast of MW-7**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-26A (0'-1')		85	1.1		SM	Black sandy SILT, TOPSOIL	
		SB-26 (1'-2')			382.6		ML	Reddish brown SILT, few fine sand, few coarse sand seams, massive (moist) (medium stiff) (low plasticity) SAPROLITE (strong odor)	
		SB-26 (2'-3')			651.3				
		SB-26 (3'-4')			982.6				
				90	39.4				
	5				10.6		SM	Reddish brown silty fine SAND, few mica (dry) (loose) SAPROLITE (no odor)	
					8.3		ML	Reddish brown SILT, little fine sand, little mica, orange mottling (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
					3.4				
				100	4.8				
					5.4				
	10				4.8		SM	White to light gray silty fine SAND, few mica (dry) (loose)	
					3.5		ML	Light yellowish brown SILT, little fine sand (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
				90	4.4				
					1.4				
					2.4				
	15				4.7		SP	Light gray poorly graded fine SAND, little medium sand, little mica, orange and brown mottling (moist) (loose) SAPROLITE (no odor)	
					1.7				
				100	20.5				
					7.9				
					21.8				
	20				24.2		ML	Olive brown SILT, few fine sand, little mica, massive (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
					37.3				
				100	55.0				
					79.4				
					114.6				
	25				67.6				
				100	81.1				
					75.2			28 ft ▼	
					62.6			Grading wet	
		SB-26 (29'-30')		100	139.5				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-27

Sheet 1 of 1

Date(s) Drilled	**4/1/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, near southeast corner of building**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				0.3		SM	(Grassy surface) silty SAND, TOPSOIL (no odor)	
				83	5.5		ML	Reddish brown SILT, little mica, few fine sand (moist) (stiff) (massive) (non plastic) SAPROLITE (no odor)	
					0.9				
					4.8				
					2.3				
	5			75	0.7			Grading orange with little fine sand and mica, light yellowish brown and yellow-red mottling (low plasticity)	
					1.7				
		SB-27 (7'-8')			3.1		SM	Light yellowish brown silty fine SAND, some mica, white and yellow-red mottling (moist) (loose) SAPROLITE (no odor)	
					0.0		SP	Light gray poorly graded fine SAND, some silt, little medium sand and mica, yellow-red mottling (moist to dry) (loose)	
					2.1				
	10			80	0.1				
					1.3				
					2.7				
				90	4.0				
					1.5				
	15				4.0		ML	Light yellowish brown SILT, little fine sand and mica (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
					2.7				
				95	2.4				
					3.7				
					4.5		SM	Light gray silty fine SAND, little mica, few medium to coarse sand seams, yellowish gray mottling (moist) (loose) SAPROLITE (no odor)	
	20				5.4				
					6.5				
					7.0				
					14.7		ML	Light yellowish brown SILT, little fine sand and mica (moist) (medium stiff) (moderate plasticity) SAPROLITE (no odor)	
					16.4				
	25				18.2				
					12.2				
					10.2			28 ft ▼	
					8.2				
		SB-27 (29'-30')			28.2				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-28

Sheet 1 of 1

Date(s) Drilled	**4/1/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 50 ft northeast of MW-7**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				2.9		SM	(Grassy surface) silty SAND, TOPSOIL (no odor)	
				5.2		ML	Reddish brown SILT, some mica, few fine sand, massive (moist) (medium stiff) (non-plastic) SAPROLITE (no odor)	
			85	7.9				
				8.9				
				4.1		SM	Reddish orange silty fine SAND, little mica, trace medium sand (moist) (loose) SAPROLITE (no odor)	
5				4.0		ML	Grading to SILT, as above	
			88	4.4				
				6.9				
				6.6				
			75	5.8		SP	Light gray to white and yellow-red poorly graded SAND, some medium sand and silt, little coarse sand, trace gravel (loose) (dry to moist)	
10				4.9				
				3.6		ML	Light yellowish brown SILT, little fine sand and mica, dark yellowish orange mottling, massive (moist) (low plasticity) SAPROLITE (no odor)	
				5.5				
			88	6.1				
	SB-28 (14'-15')			10.4				
15				9.7		SM	Grayish orange silty fine SAND, little mica, trace medium sand (moist) SAPROLITE (no odor)	
				17.5		ML	Grading to SILT, as above	
			90	6.0				
				6.1		SM	Silty SAND, as above	
				5.4		ML	Light gray to grayish orange SILT, 1/4" sand seams (moist) (stiff) SAPROLITE (no odor)	
20				5.6				
			100	30.5				
				55.9				
				67.6				
				2.9				
25				69.7				
	SB-28 (26'-27')		100	151.3			White sandy seam (6" thick) (moist)	
				79.8			28 ft ▼	
				53.8			Becoming wet	
	SB-28 (29'-30')		100	87.6				
30							Boring completed to 30.0' bgs.	

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-29

Sheet 1 of 1

Date(s) Drilled	**4/1/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**28 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, south-southeast of MW-7**		

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				3.0		SM	(Grassy surface) black TOPSOIL	
				15.0		ML	Reddish brown SILT, some fine sand, few coarse sand seams, massive (moist) (medium stiff) (non plastic) SAPROLITE (no odor)	
			90	41.1				
	SB-29A (3'-4')			67.1				
				47.6				
5				2.3		SM	Reddish brown silty fine SAND (damp) (loose) SAPROLITE (no odor)	
			85	2.9				
				3.5			White to light gray silty fine to medium SAND (dry) (loose)	
				8.1				
10			85	0.7				
				0.8				
				5.9				
				0.8				
			95	2.1				
	SB-29A (14'-15')			99.0		ML	Olive brown SILT, little fine sand and mica, massive (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
15				29.0				
				45.1				
			90	43.2				
				29.1			Grading light gray, dark yellowish gray mottling	
				116.5				
20				91.0				
				172.4				
	SB-29 (22'-23')		100	358.4			Grading light yellowish brown, light gray and dark yellowish orange mottling	
				211.3				
				124.7				
25				345.9				
			83	347.5				
	SB-29 (27'-28')			376.1			28 ft ▼	
				235.0				
			100	136.0				
30							Boring completed to 30.0' bgs.	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-30

Sheet 1 of 1

Date(s) Drilled	**4/1/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs) **NA**		Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 18 ft northeast of MW-6**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				0.9		SM	(Grassy surface) silty SAND, TOPSOIL	
				0.4		ML	Light yellowish brown SILT, little mica, few fine sand, massive (moist) (medium stiff) (non plastic) SAPROLITE (no odor)	
			100	11.5				
				17.8				
				19.7				
5				8.1				
	SB-30 (6'-7')		100	35.9				
				4.4				
				19.8				
			85	10.4				
10				6.2		SP	Yellowish gray poorly graded fine SAND, little silt, few medium sand, some mica (dry) (loose) SAPROLITE (no odor)	
				3.6				
				2.2				
			92	11.9				
				2.5				
15				15.1		ML	Light olive brown SILT, little fine sand and mica, yellowish and white mottling (moist) (stiff) SAPROLITE (no odor)	
				18.2				
			100	10.4				
				18.7				
	SB-30 (19'-20')			28.2				
20				6.4		SM	Yellowish gray silty fine SAND, little mica, dark yellowish banding (moist)	
				8.5				
			100	19.3				
				17.4				
				15.3				
25				14.5		ML	Light olive gray to greenish olive SILT, little fine sand and mica (moist) (stiff) SAPROLITE (no odor)	
			100	7.3				
				7.6				
			100	9.3				
30				9.6				
							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-31

Sheet 1 of 1

Date(s) Drilled	**4/1/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs) **NA**		Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 12 ft southeast of MW-6**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				11.8		SM	(Grassy surface) silty SAND, TOPSOIL	
					7.1		ML	Light yellowish brown SILT (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				90	6.9				
					41.7				
	5				10.9				
		SB-31 (6'-7')		85	6.8				
					42.2				
					16.1				
					5.9				
	10			88	7.6				
					9.0		SP	Yellowish gray poorly graded fine SAND, some medium sand, few coarse sand, dark yellowish gray banding (dry to moist) (loose) SAPROLITE (no odor)	
					7.9				
					7.5				
				100	9.6				
					4.4				
	15				8.9		ML	Grayish olive SILT, some fine sand and mica, dark yellowish orange mottling (moist) (stiff) SAPROLITE (no odor)	
					8.0				
				95	7.7				
					7.8				
					7.6				
	20				7.0		SM	Yellowish gray silty fine SAND, some silt and mica, dark yellowish banding (moist) (loose) SAPROLITE (no odor)	
					7.9				
				85	8.2				
					10.9				
					11.7				
	25	SB-31 (25'-26')			19.9		ML	Olive brown to grayish olive SILT, little sand and mica (moist) SAPROLITE (no odor)	
				90	13.7				
					12.3				
					13.1				
				100	15.6				
	30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-32

Sheet 1 of 1

Date(s) Drilled	**4/2/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 15 ft east of back gate**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				0.0		SM	(Grassy surface) silty SAND, TOPSOIL	
					0.3		ML	Reddish brown SILT, little fine sand and mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				100	12.3				
					30.7				
					15.1				
	5			100	14.2				
					42.1				
		SB-32 (7'-8')			73.2				
					65.6				
				92	31.0				
	10				37.2				
					4.5		SM	Brown silty fine SAND, little mica, yellow-red mottling (moist) (loose) SAPROLITE (no odor)	
					0.9				
				85	2.2				
					1.4				
	15	SB-32 (15'-16')			28.9				
					9.6		ML	Light olive gray SILT, little sand and mica, white and dark yellowish orange banding (moist) (medium stiff) SAPROLITE (no odor)	
				100	16.4				
					9.0				
					27.2		SM	White silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)	
	20	SB-32 (20'-21')			101.3		ML	Light olive gray SILT, little fine sand and mica (moist) (stiff)	
					72.6				
				95	37.2				
					69.3			Grading dark yellowish orange	
					99.7				
	25				69.5			26 ft ▼	
				100	65.4			Becoming wet	
					30.5				
					49.2				
				100	33.4				
	30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-33

Sheet 1 of 1

Date(s) Drilled	**4/1/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 24 ft east of MW-6**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				0.0		SM	(Grassy surface) silty SAND, TOPSOIL	
					0.0		ML	Dark reddish brown SILT, little fine sand and mica (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
		SB-33 (2'-3')		85	0.0				
					0.2				
	5				0.6				
				90	3.4				
					5.6				
					1.7				
		SB-33 (8'-9')			8.7				
	10			100	6.2				
					5.4				
					2.7		SP	Yellowish gray poorly graded fine SAND, some silt, little medium sand and mica (moist) (medium dense) SAPROLITE (no odor)	
					4.3				
				95	5.7				
					3.5				
	15				2.7		ML	Olive brown to light olive SILT, little fine sand and mica (moist) (medium stiff) SAPROLITE (no odor)	
		SB-33A (17'-18')			0.1				
				88	2.7				
					1.6				
					1.7				
	20				1.1		SM	Yellowish gray silty fine SAND, little mica, dark yellowish orange mottling (moist) (medium dense) SAPROLITE (no odor)	
		SB-33A (22'-23')			1.4				
				90	2.4				
					0.7				
					2.6		ML	Dark to light olive gray SILT, some fine sand, slightly weathered (moist) (medium stiff)	
	25				2.1			26 ft ▼	
				100	3.3				
					3.0				
				100	1.1				
					4.4				
	30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-34

Sheet 1 of 1

Date(s) Drilled	**4/2/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**25.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 60 ft northeast of MW-6**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0					2.3		SM	(Grassy surface) black silty SAND with roots, TOPSOIL	
						5.6		ML	Reddish brown SILT, little mica, few fine sand, massive (moist) (medium stiff) (non plastic) SAPROLITE (no odor)	
					75	4.2				
						4.4				
						2.8				
	5					19.3			Grading light brown with white and dark yellowish orange mottling	
			SB-34 (6'-7')		100	26.2				
						15.3				
						7.8				
					90	6.3				
	10					1.6			Grading light yellowish brown	
						2.6			Grading few to little inorganic clay and mottling (plastic)	
						1.9				
					88	2.8				
						0.7				
	15					2.0				
						2.3				
					92	5.4				
						2.4				
						2.6				
	20					0.0				
						0.0				
					100	17.1			Grading grayish yellow with light olive brown mottling	
						28.4				
						30.9				
	25		SB-34 (25'-26')			35.1			25.5 ft ▼	
					100	29.1			Becoming wet	
						28.6				
						10.5				
					100	5.3				
	30								Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-35

Sheet 1 of 1

Date(s) Drilled	**4/2/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**27 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 18 ft northeast of SB-12**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				0.3		SM	(Grassy surface) black silty SAND, TOPSOIL	
					1.2		ML	Reddish brown SILT with sand seams, little mica, few fine sand, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				92	0.9				
					4.8				
	5				9.1				
					7.5				
		SB-35 (6'-7')		100	8.3		SP	Reddish brown poorly graded medium and layer (moist)	
					14.2		ML		
					4.7				
	10				4.4				
				100	4.9			Grading dark yellowish orange	
					4.3				
					0.2				
					3.7				
				100	2.1				
	15				6.1				
					1.4				
		SB-35 (17'-18')			32.4				
				100	10.7			White fine sand layer	
					17.2				
	20				7.4				
					0.0				
				95	30.1			White fine sand layer	
					25.3				
					14.5			Grading olive brown, little fine sand (moderate plasticity)	
	25	SB-35 (25'-26')			31.3				
				92	28.8				
								27 ft ▼	
					15.8			Grayish olive-green poorly graded sand layer (moist)	
					42.3				
				100	43.7				
	30							Boring completed to 30.0' bgs.	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-36

Sheet 1 of 1

Date(s) Drilled	**4/2/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**27.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Rear of facility, approximately 12 ft southeast of SB-12**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				0.0		SM	(Grassy surface) black silty SAND, TOPSOIL	
					0.0		ML	Reddish brown SILT, little mica, few fine sand, massive (moist) (medium stiff) (non plastic) SAPROLITE (no odor)	
				100	0.0				
					0.0				
					0.0				
	5	SB-36 (5'-6')		95	0.0				
					0.0				
					0.0				
					0.0		SP	Pale orange poorly graded SAND seam (dry) (loose)	
					0.0		ML	Reddish brown SILT, little mica, few fine sand, massive (moist) (medium stiff) (non plastic) SAPROLITE (no odor)	
	10			75	0.0				
					0.0			Coarsening downward, mica increasing	
					0.0				
				100	0.0		SP	White fine SAND	
	15				2.4		ML	Light olive brown SILT, massive	
					1.8				
		SB-36 (18'-19')		100	3.9				
					4.0				
	20				3.3				
					0.0		SP	White yellowish gray poorly graded fine SAND, some medium sand and silt, trace coarse sand (dry) (loose) SAPROLITE (no odor)	
				75	0.4				
					0.6				
					1.2				
					2.5		SM	Grayish olive silty fine SAND, little mica and medium sand, grayish yellow and white mottling (moist) (loose) SAPROLITE (no odor)	
	25				2.6				
		SB-36 (26'-27')		88	7.2				
					6.8			27.5 ft ▼ Becoming wet at 27.5'	
					19.8				
				100	21.4				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-37

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**24 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 40 ft northwest of cardboard storage room**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				40.1		CL	Red-orange silty CLAY, micaceous (dry) (stiff to very stiff) TOPSOIL	
			100	579.0				
				726.2		ML	Red-orange sandy SILT, micaceous (dry) (stiff to very stiff) SAPROLITE (no odor)	
				822.7				
	SB-37 (4'-5')			890.7				
5			100	187.7			Grading (slightly moist)	
				41.5				
				33.8				
				24.1		SM	Light brown and beige silty SAND, some rock fragments (quartz, mica), (moist) (medium dense) SAPROLITE (no odor)	
				33.8				
10			100	22.4				
				20.4				
				58.3				
			100	18.3				
				15.7				
15				48.3				
				37.4				
			100	20.5		ML	Light brown/gray SILT, micaceous (slightly moist) (stiff) SAPROLITE (no odor)	
				36.3				
				62.5				
20				155.4			Grading brown-orange	
			100	207.6				
				443				
	SB-37 (23'-24')			479			24 ft ▼	
				557.1			Grading light brown/gray, very micaceous (wet)	
25			100	500.2				
				520.1				
				537.9				
			100	450.2				
				490.2				
30							Boring completed to 30.0' bgs.	

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-38

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 60 ft north-northeast of cardboard storage room**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-38 (0'-1')			18.1		CL	Red CLAY, micaceous, some staining (dry) (stiff) TOPSOIL	
					13.9				
				100	5.1		ML	Orange-red SILT, micaceous (slightly moist) (medium stiff) SAPROLITE (no odor) SAPROLITE (no odor)	
					1.2				
					2.5				
	5				2.7			Grading reddish brown-orange	
					3.8				
				70	4.9			Beige medium to coarse sand lense (soft) (7.5-8.0')	
					7.0				
					5.3			Grading orangeish-light brown with black staining	
	10				8.5		SM	Beige/light brown-gray silty SAND, some rock fragments (dry) (medium stiff) SAPROLITE (no odor)	
					10.5				
				100	12.7				
					9.7		ML	Reddish orange sandy SILT, micaceous, some black staining (slightly moist) (stiff) SAPROLITE (no odor)	
					10.3				
	15				10.2		SM	Beige/light brown silty SAND (loose) SAPROLITE (no odor)	
		SB-38 (16'-17')			13.9		ML	Light brown-orange sandy SILT, micaceous (slightly moist) (soft) SAPROLITE (no odor)	
				100	13.7				
					12.5				
					12.8				
	20				16.3				
					13.6				
				70	26.7				
					30.1				
		SB-38 (24'-25')			104.6				
	25				58.6				
					38.8			26 ft ▼ Wet at 26'	
				100	153.8				
					23.3				
					19.4				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-39

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**25 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 40 ft north-northwest of cardboard storage room**		

Elevation, feet / Downhole Depth, feet	SAMPLES: Type / Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			80	15.4 19.5 32 210		ML	Brownish red sandy SILT, micaceous (slightly moist) (medium stiff) SAPROLITE (no odor) Grading some gravel	
5	SB-39 (5'-6')		50	710 917.6 859.2		SM	Light brown silty fine SAND, micaceous (slightly moist) (loose) SAPROLITE (no odor)	
10			60	905.7 443.1		SP	Beige poorly sorted medium to coarse SAND, some gravel (dry) (loose) SAPROLITE (no odor) Grading fine sand, no gravel	
15	SB-39 (14'-15')		100	768 943 1113		ML	Brown SILT, micaceous (slightly moist) (stiff) SAPROLITE (odor)	
				1079		SM	Light brown/gray silty fine SAND (dry) (loose) SAPROLITE (odor)	
			100	676.1 942.1 997 986.1				
20	SB-39 (22'-23')		100	703.7 973 1060 889			Grading fine to medium grained, some gravel	
25			100	828.2 1120 1119 1260			25 ft ▼ Wet at 25'	
			100	1118 1180				
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-40

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**24 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 35 ft north-northwest of cardboard storage room**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				6.1		ML	Red-brown fine sandy SILT, micaceous (dry) (medium stiff) (no odor)	
					6.0		SM	Light brown-orange silty fine SAND (loose) (dry) SAPROLITE (no odor)	
				40			ML	Red-orange SILT, micaceous, black staining (dry) (medium stiff) SAPROLITE (no odor)	
		SB-40 (4'-5')			9.4				
	5			90	8.1				
					7.2				
					7.2			Grading 2" white-orange fine sand lense at 7.0 ft'	
					9.6				
				95	8.1			Grading orange-light brown (slightly moist)	
	10				9.1				
					6.7		SM	Light brown-white silty fine SAND (dry) SAPROLITE (no odor)	
					10.9				
				100	13.6		ML	Orange-brown SILT, micaceous, black staining (slightly moist) (medium stiff) SAPROLITE (no odor)	
					9.4				
	15				177.2			Grading brown to light brown, micaceous (slightly moist to moist)	
					351				
		SB-40 (17'-18')		100	650.6				
					657.4				
					730.4				
	20				715.7			Grading light brown to orange	
				100	668				
					778				
		SB-40 (23'-24')			800.6			24 ft ▼	
					806			Wet at 24 ft	
	25			100	769.3				
					631.4				
					699.2				
				100	394				
	30				725			Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-41

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**24 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 25 ft north-northwest of cardboard storage room**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0	SB-41 (1'-2')		100	402.5		ML	Red-orange SILT, micaceous (dry) (stiff to very stiff) SAPROLITE (no odor)	
				391.4				
				19.2				
				14.7		SM	Orange-brown silty fine SAND, micaceous (dry) (loose) SAPROLITE (no odor)	
5			95	14.2				
				15.7				
				13.4				
				13.3				
			100	13.4			Grading slightly moist	
10				635				
				864.2				
				803.3				
			100	712				
				647.2				
	SB-41 (14'-15')			923.7				
15				781				
			100	899		ML	Brown SILT, micaceous (slightly moist) (medium stiff) SAPROLITE (no odor)	
				958.3		SM	Light brown/white silty SAND, micaceous (slightly moist) (stiff) SAPROLITE (no odor)	
				794.6				
				915				
20			100	539.7		SP	White medium to coarse SAND, trace silt (dry) (loose) SAPROLITE (no odor)	
				788.8		SM	Light brown-orange silty SAND, micaceous (slightly moist to moist) (stiff) SAPROLITE (no odor)	
				812.2				
	SB-41 (24'-24')			822.1			24 ft ▼	
			100	620.3		ML	Brown-orange SILT, micaceous (wet) (soft) SAPROLITE (no odor)	
25				367.8				
				722.3				
				789.2				
			100	682.9				
				536.4				
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-42

Sheet 1 of 1

Date(s) Drilled	**4/9/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**27 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 20 ft north-northwest of cardboard storage room**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-42 (0'-1')			202.9		GP	GRAVEL	
					18.7		ML	Reddish brown sandy SILT, micaceous (dry) (stiff to very stiff) SAPROLITE (no odor)	
				95	240.3				
					14.4			Grading red-orange, fine (soft)	
					5.3				
	5				13.0				
		SB-42 (6'-7')			1.1				
				95	2.2			Grading (slightly moist)	
					6.3				
					8.3			Grading light brown-white, increasing gravel (medium stiff)	
	10				4.0			Grading light brown (dry) (soft) Sand lense	
					12.7			Grading brown-orange with black staining (slightly moist to moist)	
				100	8.3				
					6.5				
		SB-42 (14'-15')			18.2				
	15								
					11.4				
				85	22.4				
					45.5			2 in. orangeish-white fine to medium sand lense at 18.5 ft	
					16.8				
	20				65.4				
					12.2				
				100	590.8				
		SB-42 (23'-24')			737				
					665				
	25				569.7				
					680				27 ft ▼
				100	834.2			Wet at 27 ft	
					660.5				
					588				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-43

Sheet 1 of 1

Date(s) Drilled	**4/9/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**27 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, near northeast corner of cardboard storage room**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				0.9		ML	Red-orange clayey SILT, micaceous (dry) (very stiff) (low plasticity) SAPROLITE (no odor)	
			100	4.6				
				6.0				
				9.7				
				17.7				
5				15.3			Grading (slightly moist) (stiff)	
			100	10.8				
	SB-43 (7'-8')			702			1 in. white fine sand lense at 7 ft	
				491.7			Grading light brown-orange (medium stiff)	
				758.1				
10	SB-43 (10'-11')		100	719.8				
				584				
				390			Grading light brown-red	
				757.9				
			100	739		SM	Light brown-white silty fine SAND (dry) (loose) SAPROLITE (no odor)	
15				641.4				
				699.4				
				577				
			100	608.2		ML	Light brown orange SILT, micaceous (slightly moist) (medium stiff) SAPROLITE (no odor)	
	SB-43 (19'-20')			797.2				
20				606.5				
				331.3				
			100	474.4				
				462				
				411.2				
25				526				
			100	201.6			27 ft ▼	
				454.5			Wet at 27 ft	
				599.5			Grading light gray/white/black	
			100	324.5			Grading brown	
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-44

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside cardboard room, northwest corner**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			0				No recovery, under floor slab	
5			0			ML	Moderate reddish brown SILT, increasing sand with mica flakes (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
			60	6.0 13.1 10.5				
			81	9.2 15.8 9.2				
10	SB-44 (11'-12')			14.6			Pinkish white SILT (moist) (soft to medium stiff) (low plasticity) SAPROLITE (no odor)	
			79	7.8 12.4 10.6			Olive brown SILT, white fine sand (moist) (soft to medium stiff) SAPROLITE (no odor) (greasy texture)	
15				11.8			(Slight odor)	
			93	7.8 11.9 14.6				
20				13.9 9.7				
			93	21.3 36.7 400.7			Olive brown SILT, pink/white fine sand (moist) (medium stiff) (low plasticity) SAPROLITE (slight odor)	
25	SB-44 (24'-25')			1450				
			93	1123 1628 1056			26.5 ft ▼ (Becoming wet at 26.5 ft)	
			55	838.2 731.1			(Strong odor)	
30							Boring completed to 30.0' bgs.	

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-45

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs) **26.5 feet bgs**		Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside cardboard room, west wall**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-45 (0'-1')		79	412.5			Crushed rock	
					406.7			Brown-red SILT, mica flakes (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
					172.3				
		SB-45 (3'-4')			4661				
	5			77	4712			Reddish brown SILT, trace mica, little sand (moist) (soft) (low plasticity) SAPROLITE (slight odor)	
					5831				
					5053				
					15000+			(Slight odor)	
				75	4441				
	10				6673				
					6371				
					2526				
				77	2247			Reddish brown to brown SILT (moist) (soft)	
					4119				
					3995			Increasing sand 14-15 ft, increasing odor	
	15	SB-45 (15'-16')			2033				
				79	363.4			Brown to light olive brown SILT, fine white sand (soft) (moist) (low plasticity) SAPROLITE (slight odor)	
					83.8				
					84				
					33.1				
	20				28.8			Light olive brown SILT (medium stiff) (low plasticity) SAPROLITE (slight odor)	
		SB-45 (21'-22')		77	143.2				
					135				
					637.3			Coarse grained quartz sand at 23.5 ft Brown SILT (medium stiff) (low plasticity) SAPROLITE (slight odor)	
					1179				
	25				1195			White sand lense at 25 ft	
				100	1463			26.5 ft ▼ Wet at 26.5 ft	
					687.2				
					690.1			Brown SILT (wet) (medium stiff) (low plasticity) SAPROLITE (slight odor)	
				50	475.7				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-46

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**27 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside cardboard room, southwest corner**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0								Crushed rock	
						235.1		ML	Brownish red SILT, trace sand (moist) (medium stiff) (low plasticity) SAPROLITE (slight odor)	
					58	504.7				
			SB-46 (3'-4')			2317				
						1354			Sand lense at 5.5 ft (slight odor)	
	5				77	2667				
						5274				
						2340				
					0					
						4718				
	10				75	4017			Fine pinkish sand at 10 ft	
						3477				
						1145				
					75	5245				
						4342				
	15		SB-46 (15'-16')			6743			Sand lense at 15.8 ft (1") (slight odor)	
						3969				
					75	3945				
						6284				
						15000+				
	20					15000+				
					80	15000+				
						15000+				
						4253				
					0				Reddish brown SILT (moist to wet) (medium stiff) (low plasticity) SAPROLITE (slight odor)	
	25		SB-46 (25'-26')			15000+				
					67	1886			White sand lense at 26 ft	
						846.7			27 ft ▼ Wet at 27 ft	
						1491				
						1014				
	30								Boring completed to 30.0' bgs.	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-47

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside cardboard room**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0					11.1			Crushed rock	
						12.1		ML	Brownish red SILT, some fine to medium sand (moist) (stiff) (low plasticity) SAPROLITE (slight odor)	
					80	13.6				
						11.6				
						10.1			Less sand (slight odor)	
	5					22.7				
			SB-47 (6'-7')		80	100.3				
						42.7			Grading to brownish sandy SILT at 8' Brown SILT with white sand (moist) (medium stiff) (low plasticity) SAPROLITE (slight odor) Grading to red SILT, little to no sand (slight odor)	
						6.5				
	10				65	20.5				
						94.9				
						39.8			Red SILT, little to no sand (moist) (soft to medium stiff) (low plasticity) SAPROLITE (slight odor)	
					73	31.7				
						15.4				
	15					29.1				
						35.6			Sand at 19.5', grading back to reddish brown SILT, mica (slight odor)	
					85	32.4				
						10.1				
						6.3				
	20					11.5			(Slight odor)	
						11.3				
					90	18.0				
						12.4				
			SB-47 (24'-25')			268.4			Dark brown SILT, little to no sand (moist to wet) (soft) (low plasticity) SAPROLITE (slight odor)	
	25					377.1				
					75	307.2			26 ft ▼ Wet at 26 ft	
						1527				
						1194			White fine sand at 29.5-30 ft (slight odor)	
						1263				
	30								Boring completed to 30.0' bgs.	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-48

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside cardboard room**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			0				Crushed rock	
						ML	Reddish brown SILT, some fine to medium sand (moist) (stiff) (low plasticity) SAPROLITE (slight odor)	
	SB-48 (2'-3')		50	72.6 10.4				
5			0				Sand lense at 7.5 ft (slight odor)	
			25	19.1				
			79	15.0 20.6 23.9 17.6			Grading to olive brown, increasing sand at 9.5 ft	
10			0				Olive brown SILT, pink-white sand to 15 ft (moist) (stiff) (low plasticity)	
	SB-48 (14'-15')		75	220.6 1070 1512				
15			0				Reddish brown SILT (moist) (medium stiff) (low plasticity) SAPROLITE Grading to olive brown, sand	
			74	212 128.7 86.8				
20			77	10.9 23.3 17.7 15.1			Pink-white sand lense at 23.5 ft	
	SB-48 (25'-26')		80	2.2 99.4 174.9 380.4			Olive gray SILT (moist to wet) (stiff to medium stiff) (low plasticity) SAPROLITE (slight odor)	
25							26.5 ft ▼ Wet at 26.5 ft	
			50	1336 4781			White fine sand at 29'-29.5' (slight odor)	
30							Boring completed to 30.0' bgs.	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-49

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Outside, east of cardboard room**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0							Crushed rock	
			0			ML	Dark brown SILT, sand lense at 3.9 ft (stiff) (moist) (low plasticity) SAPROLITE (slight odor)	
	SB-49 (3'-4')		10	90.9				
				28.9			Reddish brown SILT (moist) (stiff) (low plasticity) SAPROLITE (slight odor)	
5			90	41.6				
				30.3				
				26.4			Grading to sand at 7'	
				29.3			Reddish brown SILT (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			75	44.4				
10				39.1			White sand lense at 10.5 ft	
				50.7				
	SB-49 (12'-13')			79.4			Brown SILT (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			80	67.7				
				73.4			White sand layer at 14 ft	
15				34.1				
				37.4			Light to moderate brown SILT, white sand and mica (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			85	729				
				54.3				
				27.0				
20				34.9			Reddish brown SILT (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
				25.6				
			90				Sand at 21.5 ft	
				28.5				
	SB-49 (23'-24')			357.2				
				550.7			Brown SILT (moist) (medium stiff) (low plasticity) White sand lenses at 24.5 and 26.5 ft	
25				561.3				
			100				26.5 ft ▼	
				2588			Wet at 26.5 ft	
				2217				
				917.2				
			55	180.1				
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-50

Sheet 1 of 1

Date(s) Drilled	**4/9/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**24 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 50 ft north-northeast from southeast corner of building**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0	SB-50 (0'-1')		75	4.4		CL	Red-brown sandy CLAY with gravel, micaceous (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
				7.5		ML	Red-orange clayey SILT, trace fine sand, micaceous (slightly moist) (stiff) (low plasticity) SAPROLITE (no odor)	
				8.4				
5			95	7.7			Grading (dry) (stiff to medium stiff)	
				8.7				
				9.1			Grading increasing sand (slightly moist)	
				10.6				
			100	9.0		SM	Light brown-orange silty fine SAND (slightly moist) (loose) SAPROLITE (no odor)	
				8.4		ML	Light brown-red SILT, micaceous (slightly moist) (soft) SAPROLITE (no odor)	
10	SB-50 (10'-11')			11.1		SM	Light brown-orange silty SAND (slightly moist) (loose) SAPROLITE (no odor)	
				9.2				
			90	11.4				
				8.3				
				9.0				
15				9.2			Rock fragment at 15 ft	
			90	10.3				
				11.1			Grading (medium dense)	
				11.0				
	SB-50 (19'-20')			16.5				
20				15.7				
			100	10.6				
				16.3				
				14.5		ML	Brown SILT, micaceous (medium stiff) SAPROLITE (no odor) 24 ft ▼	
				18.0			Wet at 24 ft	
25			100	20.3				
				15.4				
				18.1		SM	White silty fine SAND (wet) (loose) SAPROLITE (no odor)	
			100	20.4				
				53			Grading light brown	
30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-51

Sheet 1 of 1

Date(s) Drilled	**4/3/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**25 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Outside, southeast of cardboard room**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			0			SM	Fine to medium SAND	
						ML	Red SILT (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
	SB-51 (2'-3')		48	11.5 14.4				
5			80	43.3 78.2 33.6 23			Brownish red to olive green SILT (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			0					
	SB-51 (9'-10')			110.6				
10			73	47.7 56.7				
				24.1			Brown SILT (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			77	50.2 29.8			White sand layer at 14 ft	
15				24.6				
				29.6			Brown SILT, fine white sand (moist) (stiff) (low plasticity) SAPROLITE (no odor)	
			95	24.2 24.6				
20				23.6				
				34.9				
			95	26.9 40.5				
	SB-51 (23'-24')			51.5			Trace white sand at 23.5 ft	
				61.8			Brown SILT (moist to wet) (medium stiff) (low plasticity) SAPROLITE (no odor) 25 ft ▼	
25				34.9			White sand lenses at 25-26 ft (wet)	
			100	61.8 50.7				
				80.9				
			50	40.7				
30							Boring completed to 30.0' bgs.	

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-52

Sheet 1 of 1

Date(s) Drilled	**4/4/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Near southeast corner of building, ~30 ft south of Propane Testing Area**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			0	9.7		ML	Brownish red to light brown SILT, white sand (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
			73	9.3				
				6.7				
				10.3				
5				9.7				
	SB-52 (6'-7')		72	11.2				
				7.8				
				7.9			Olive brown SILT (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
	SB-52 (9'-10')			25.4				
10			80	21.4				
				23.7				
				12.9			Olive brown SILT, white sand lenses (moist) (medium stiff) (low plasticity)	
			90	20.6				
				14.2				
15				19.9				
				16.2			Brown to olive brown SILT (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				17.1				
	SB-52 (18'-19')		40	21			Sand layer at 18.5 ft	
				13.4				
20				16.6				
				13.9				
			100	9.7				
				17.2				
				15.7				
25				12.3				
			100	19.4			26.5 ft ▼	
				16.1			Wet at 26.5	
				15.3				
			50	11.9				
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-53

Sheet 1 of 1

Date(s) Drilled	**4/2/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**27.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**East side of facility, approximately 15 ft southeast of SB-6**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0				5.2		GP	GRAVEL (commercially crushed stone)	
		SB-53 (1'-2')		95	11.0		ML	Reddish brown SILT, little fine sand and mica, massive (moist) (medium stiff) SAPROLITE (no odor)	
					6.9				
					9.6				
	5				2.3				
				100	1.1				
					9.8				
					12.1				
					1.0				
		SB-53 (9'-10')		95	6.5				
	10							Becoming (soft)	
					1.7				
					1.8				
					2.7				
				95	2.3			Grading to light olive brown with white fine sand	
					3.6				
	15				2.6				
					5.5				
				100	6.1				
					2.4				
					1.5				
	20				4.5		SM	White silty fine SAND, little mica, yellowish gray bands (moist) (loose)	
							ML	SAPROLITE (no odor)	
					10.6			Olive gray SILT, little fine sand and mica (moist) (medium stiff) (medium plasticity) SAPROLITE (no odor)	
				100	12.0				
					19.0				
		SB-53 (24'-25')			19.7				
	25				16.7			White sand seam, 1/4 in. thick	
				100	13.4				
					7.6			27.5 ft ▼ Becoming wet at 27.5 ft	
					4.7				
				100	6.2				
	30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-54

Sheet 1 of 1

Date(s) Drilled	**4/4/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**26.5 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Near northeast corner of building**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			0			ML	Reddish brown to brown SILT with fine white sand (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
	SB-54 (1'-2')		75	8.3 1.8 3.9				
			0				Light brown SILT with white sand (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
5			75	6.0 6.3 4.4				
			50	4.5 4.9				
10				10.6				
	SB-54 (14'-15')		75	11.1 11.4				
15			100	6.4 11.6 5.1 11.3			Olive brown to brown SILT with white sand (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
20			60	8.7 6.3			Dark brown SILT with white sand (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
	SB-54 (24'-25')			14.5			Light brown to brown SILT with white sand (moist to wet) (medium stiff) (low plasticity) SAPROLITE (no odor)	
25				7.8 10.1 9.7			26.5 ft ▼ Wet at 26.5'	
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-55

Sheet 1 of 1

Date(s) Drilled	**4/4/14**	Logged By	**Marc McFarland**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**25 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**In asphalt, ~30 ft east of northeast corner of building**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type / Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			100	2.4, 3.5, 4.8, 3.7		ML	Brown red to light brown SILT, some sand and mica (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
5			100	0.8, 0.5, 0.1			Light brown SILT, little sand (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				5.2			White sand layer at 7'	
10	SB-55 (11'-12')		100	3.2, 6.8, 5.0, 9.9			Olive brown to brown SILT, (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
			0				White sand layer at 11'	
15			50	5.7, 5.1				
			0					
			70	5.3, 6.7, 6.0				
20			0				Olive brown SILT (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
			75	9.4, 265.2, 222.1				
25	SB-55 (24'-25')		75	468.4, 421.2, 414.7, 517.1			25 ft ▼ Wet at 25'	
			50	351.5, 300.2				
30							Boring completed to 30.0' bgs.	

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-56

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**30 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs) **NA**		Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Approximately 20 ft from northeast corner of building**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-56 (0'-1')		30	2.4		SM	Orange-brown silty fine SAND, some gravel (slightly moist to moist) (loose) (no odor)	
					11.6		SP	White medium SAND (moist) (loose) (no odor)	
							SM	Reddish brown silty fine SAND, micaceous (moist) (loose) (no odor)	
							ML	Reddish brown sandy SILT, fine sand, micaceous (moist) (medium stiff) (no odor)	
	5	SB-56 (6'-7')		60	51.9				
					34.8				
					82.6				
					64.9		SM	White silty fine to medium SAND (slightly moist) (loose) (odor)	
	10			60	96.2				
					80.3				
					115.0				
		SB-56 (13'-14')		95	107.3				
					197.4				
	15				180.0				
					187.1				
				95	172.5				
					148.7				
					240.1		ML	Brown-orange SILT (moist) (stiff) SAPROLITE	
	20				299.9				
					391.7				
				95	243.0				
					311.9				
					382.1				
				85	212.6			Strong odor at 24'	
	25				316.6				
					339.7				
					323.0			Grading light brown-light gray/white, some rock fragments, micaceous (slightly moist) (medium stiff)	
		SB-56 (28'-29')		100	374.4				
					399.2				
	30							Boring completed to 30.0' bgs.	

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-57

Sheet 1 of 1

Date(s) Drilled	**5/10/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**14 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**NA**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Inside building, northeast corner**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
	0	SB-57 (0'-1')			62.4			Concrete slab	SABC
					48.1		ML	Commercially crushed limestone Moderate reddish brown fine sandy SILT, few mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
				90	35.5				PP = 3.0 TSF
					10.7		SP	White silty fine SAND, little mica and medium sand, few coarse sand, trace fine quartz gravel (dry) (loose) SAPROLITE (no odor)	
	5	SB-57 (4'-5')			30.8				
					19.1				
					18.4			Fining downward	
				100	8.6		ML	Pale yellowish brown fine sandy SILT, little mica, moderate orange pink mottling (dry) (soft) (low plasticity) SAPROLITE (no odor)	
	10	SB-57 (9'-10')			9.0				
					23.1				PP = 0.25 TSF
					20.0				
				100	19.6				
					15.4			Coarsening downward	
					16.7		SP	Moderate olive brown silty fine SAND, little medium sand and mica, few coarse sand, trace fine quartz gravel (dry) (loose) SAPROLITE (no odor)	
	15							Boring terminated at 14.0' bgs due to refusal.	
	20								
	25								
	30								

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-58

Sheet 1 of 1

Date(s) Drilled	**4/8/14**	Logged By	**Brandy Costner**	Checked By	**JN/AC**
Drilling Method	**GeoProbe**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**24 feet bgs**
Drill Rig Type	**Track Mounted 7822 DT**	Drill Bit Size/Type	**2" ID Core Barrel**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs) **NA**		Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Neat cement and bentonite chips**	Location	**Approximately 40 ft southeast of the northeast corner of the building**		

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0			85	27.7		CL	Red CLAY, micaceous (dry) (stiff) (low plasticity) SAPROLITE (no odor) (2 in. gravel over clay)	
				13.5				
				20.6		ML	Orange/white sandy SILT, fine to medium sand (dry) (medium stiff) SAPROLITE (no odor)	
				19.5				
	SB-58 (4'-5')			52.6		SM	White to orange-light brown silty fine to medium SAND (dry) (loose) SAPROLITE (no odor)	
5			100	11.3		ML	White/orange/light brown sandy SILT, fine sand (dry) (medium stiff) SAPROLITE (no odor)	
				12.2				
				9.5				
				9.5				
	SB-58 (9'-10')			10.3				
10			100	8.2				
				9.0				
				9.5				
			100	3.5				
				4.4				
15				14.7				
				5.5				
			100	5.5				
				6.8				
				8.3				
20				8.8			Grading light brown/white, some rock fragments (dry)	
			100	8.0				
				6.4				
	SB-58 (23'-24')			72.9				
							Boring terminated at 24.0' bgs due to refusal.	
25								
30								

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-59

Sheet 1 of 1

Date(s) Drilled	**5/19/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Hand Auger**	Drilling Contractor	**NA**	Total Depth of Borehole	**5 feet bgs**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**NA**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**Bentonite chips and grout**	Location	**Wooded area, east of facility in ravine, debris pile**		

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				5.6		ML/MH	(Covered in pine straw) dark yellowish brown fine sandy SILT, little roots and detritus (moist) (soft) (moderate plasticity) SAPROLITE (musky organic odor)	
				0.4				
	SB-59 (2'-3')		100	9.2			Coarsening downward	
	SB-59 (3'-4')			18.6		SM	Dark yellowish brown silty fine SAND (moist) (loose) SAPROLITE (musky organic odor)	
5				1.2			Boring terminated at 5.0' bgs due to refusal.	
10								
15								
20								
25								
30								

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring SB-60

Sheet 1 of 1

Date(s) Drilled	**5/19/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Hand Auger**	Drilling Contractor	**NA**	Total Depth of Borehole	**5 feet bgs**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Ground Surface Elevation (feet)	**NM**
Groundwater Level (feet bgs)	**NA**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**Bentonite chips and grout**	Location	**Wooded area, east of facility in ravine, debris pile**		

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
0				1.2		ML/MH	(Covered in pine straw) dark yellowish brown fine sandy SILT, little roots and detritus (moist) (soft) (moderate plasticity) SAPROLITE (musky organic odor)	
				0.9				
			100	11.1				
	SB-60 (3'-4')			17.2		SM	Dark yellowish brown silty fine SAND (moist) (loose) SAPROLITE (musky organic odor)	
5	SB-60 (4'-5')			14.5			Boring terminated at 5.0' bgs due to refusal.	
10								
15								
20								
25								
30								

URS

ENV2 W/O WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

Appendix C: Data Quality Review Memoranda

Memo

Century Square
1501 4th Avenue, Suite 1400
Seattle, Washington 98101
206.438.2700 Telephone
206.438.2699 Fax

To:	James Flynn, Project Manager	**Info:**	**FINAL**
From:	Christine T. Gebel, Chemist Jennifer B. Garner, Chemist	**Date:**	June 27, 2014
RE:	QA/QC Data Summary Review Soil Sampling (March - April 2014) Itron – Greenwood, South Carolina		

The data quality review of 109 soil samples, one investigation derived waste sample (IDW), and 8 trip blanks collected between March 31 and April 9, 2014 has been completed. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B and/or polycyclic aromatic hydrocarbons (PAHs) by modified EPA Method 8270D by Shealy Environmental Services, Inc. (SES) located in West Columbia, South Carolina. The IDW sample was analyzed for volatile organic compounds (VOCs) by EPA Method 8260B using the toxicity characteristic leaching procedure (TCLP) by EPA Method 1311. Samples were analyzed for the chemical constituents as described in *Remedial Investigation Work Plan, Itron – Greenwood, South Carolina Facility*, dated November 2013.

The analyses were performed in general accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846).* The laboratory provided a summary report containing sample results and associated quality assurance and quality control (QA/QC) data. The following samples are associated with SES laboratory groups PD02110, PD02111, PD05007, PD05008, PD07049, and PD09043:

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
SB-27(7-8')	PD02110-001	PD02110	VOCs
SB-27(29-30')	PD02110-002	PD02110	VOCs
SB-28(29-30')	PD02110-003	PD02110	VOCs
SB-29(22-23')	PD02110-004	PD02110	VOCs
SB-29(27-28')	PD02110-005	PD02110	VOCs
SB-30(6-7')	PD02110-006	PD02110	VOCs
SB-30(19-20')	PD02110-007	PD02110	VOCs
SB-31(6-7')	PD02110-008	PD02110	VOCs
SB-31(25-26')	PD02110-009	PD02110	VOCs
DUP-2 (Duplicate of SB-31(6-7'))	PD02110-010	PD02110	VOCs
SB-23A(4-5')	PD02110-011	PD02110	VOCs
SB-33(2-3')	PD02110-012	PD02110	VOCs
SB-33(8-9')	PD02110-013	PD02110	VOCs
SB-32(7-8')	PD02110-014	PD02110	VOCs
SB-32(15-16')	PD02110-015	PD02110	VOCs
SB-32(20-21')	PD02110-016	PD02110	VOCs
SB-34(6-7')	PD02110-017	PD02110	VOCs
SB-34(25-26')	PD02110-018	PD02110	VOCs
Trip Blank	PD02110-019	PD02110	VOCs

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
SB-22(27-28')	PD02111-001	PD02111	VOCs
SB-22(29-30')	PD02111-002	PD02111	VOCs
SB-22A(0-1')	PD02111-003	PD02111	VOCs
SB-23(25-26')	PD02111-004	PD02111	VOCs
SB-23(29-30')	PD02111-005	PD02111	VOCs
SB-24(3-4')	PD02111-006	PD02111	VOCs
SB-24(24-25')	PD02111-007	PD02111	VOCs
SB-25(27-28')	PD02111-008	PD02111	VOCs
SB-25(28-29')	PD02111-009	PD02111	VOCs
SB-25A(0-1')	PD02111-010	PD02111	VOCs
DUP-1 (Duplicate of SB-25(28-29'))	PD02111-011	PD02111	VOCs
SB-26A(0-1')	PD02111-012	PD02111	VOCs
SB-26(1-2')	PD02111-013	PD02111	VOCs
SB-26(2-3')	PD02111-014	PD02111	VOCs
SB-26(3-4')	PD02111-015	PD02111	VOCs
SB-26(29-30')	PD02111-016	PD02111	VOCs
SB-28(14-15')	PD02111-017	PD02111	VOCs
SB-28(26-27')	PD02111-018	PD02111	VOCs
Trip Blank	PD02111-019	PD02111	VOCs
SB-29A(3-4')	PD05007-001	PD05007	VOCs
SB-29A(14-15')	PD05007-002	PD05007	VOCs
SB-33A(17-18')	PD05007-003	PD05007	VOCs
SB-33A(22-23')	PD05007-004	PD05007	VOCs
SB-35(7-8')	PD05007-005	PD05007	VOCs
SB-35(17-18')	PD05007-006	PD05007	VOCs
SB-35(25-26')	PD05007-007	PD05007	VOCs
SB-36(5-6')	PD05007-008	PD05007	VOCs
SB-36(18-19')	PD05007-009	PD05007	VOCs
SB-36(26-27')	PD05007-010	PD05007	VOCs
SB-34(17-18')	PD05007-011	PD05007	VOCs
SB-44(11-12')	PD05007-013	PD05007	VOCs, PAHs
SB-44(24-25')	PD05007-014	PD05007	VOCs, PAHs
SB-45(0-1')	PD05007-015	PD05007	VOCs, PAHs
SB-45(3-4')	PD05007-016	PD05007	VOCs, PAHs
SB-45(15-16')	PD05007-017	PD05007	VOCs, PAHs
SB-45(21-22')	PD05007-018	PD05007	VOCs, PAHs
DUP-3 (Duplicate of SB-45(15-16'))	PD05007-019	PD05007	VOCs, PAHs
Trip Blank	PD05007-020	PD05007	VOCs
SB-46(3-4')	PD05008-001	PD05008	VOCs, PAHs
SB-46(15-16')	PD05008-002	PD05008	VOCs, PAHs
SB-46(25-26')	PD05008-003	PD05008	VOCs, PAHs
SB-47(0-1')	PD05008-004	PD05008	VOCs, PAHs

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
SB-47(6-7')	PD05008-005	PD05008	VOCs, PAHs
SB-47(24-25')	PD05008-006	PD05008	VOCs, PAHs
SB-48(2-3')	PD05008-007	PD05008	VOCs, PAHs
SB-48(14-15')	PD05008-008	PD05008	VOCs, PAHs
SB-48(25-26')	PD05008-009	PD05008	VOCs, PAHs
SB-49(3-4')	PD05008-010	PD05008	VOCs, PAHs
SB-49(12-13')	PD05008-011	PD05008	VOCs, PAHs
SB-49(23-24')	PD05008-012	PD05008	VOCs, PAHs
SB-51(2-3')	PD05008-013	PD05008	VOCs, PAHs
SB-51(9-10')	PD05008-014	PD05008	VOCs, PAHs
SB-51(23-24')	PD05008-015	PD05008	VOCs, PAHs
SB-53(1-2')	PD05008-016	PD05008	VOCs, PAHs
SB-53(24-25')	PD05008-017	PD05008	VOCs, PAHs
SB-55(11-12')	PD05008-018	PD05008	VOCs, PAHs
SB-55(24-25')	PD05008-019	PD05008	VOCs, PAHs
DUP-4 (Duplicate of SB-55(24-25'))	PD05008-020	PD05008	VOCs, PAHs
Trip Blank	PD05008-021	PD05008	VOCs
SB-52 (6-7')	PD07049-001	PD07049	VOCs, PAHs
SB-52 (9-10')	PD07049-002	PD07049	VOCs, PAHs
SB-52 (18-19')	PD07049-003	PD07049	VOCs, PAHs
SB-54 (1-2')	PD07049-004	PD07049	VOCs, PAHs
SB-54 (24-25')	PD07049-006	PD07049	VOCs, PAHs
Trip Blank 4/4/14	PD07049-007	PD07049	VOCs
SB-56 (0-1')	PD09043-001	PD09043	VOCs, PAHs
SB-56 (13-14')	PD09043-003	PD09043	VOCs, PAHs
SB-56 (28-29')	PD09043-004	PD09043	VOCs, PAHs
DUP-5 (Duplicate of SB-56(28-29'))	PD09043-005	PD09043	VOCs, PAHs
SB-58 (4-5')	PD09043-006	PD09043	VOCs, PAHs
SB-58 (9-10')	PD09043-007	PD09043	VOCs, PAHs
SB-58 (23-24')	PD09043-008	PD09043	VOCs, PAHs
SB-38 (0-1')	PD09043-009	PD09043	VOCs, PAHs
SB-38 (24-25')	PD09043-010	PD09043	VOCs, PAHs
SB-38 (16-17')	PD09043-011	PD09043	VOCs, PAHs
SB-39 (5-6')	PD09043-012	PD09043	VOCs, PAHs
SB-39 (14-15')	PD09043-013	PD09043	VOCs, PAHs
SB-39 (22-23')	PD09043-014	PD09043	VOCs, PAHs
SB-37 (4-5')	PD09043-015	PD09043	VOCs, PAHs
SB-37 (23-24')	PD09043-017	PD09043	VOCs, PAHs
SB-40 (17-18')	PD09043-019	PD09043	VOCs, PAHs
SB-40 (23-24')	PD09043-020	PD09043	VOCs, PAHs
SB-41 (1-2')	PD09043-021	PD09043	VOCs, PAHs
SB-41 (14-15')	PD09043-022	PD09043	VOCs, PAHs

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
SB-41 (23-24')	PD09043-023	PD09043	VOCs, PAHs
SB-43 (7-8')	PD09043-024	PD09043	VOCs, PAHs
SB-43 (10-11')	PD09043-025	PD09043	VOCs, PAHs
SB-43 (19-20')	PD09043-026	PD09043	VOCs, PAHs
DUP-6 (Duplicate of SB-43(19-20'))	PD09043-027	PD09043	VOCs, PAHs
SB-42 (0-1')	PD09043-028	PD09043	VOCs, PAHs
SB-42 (14-15')	PD09043-029	PD09043	VOCs, PAHs
SB-42 (23-24')	PD09043-030	PD09043	VOCs, PAHs
SB-50 (0-1')	PD09043-032	PD09043	VOCs, PAHs
SB-50 (10-11')	PD09043-033	PD09043	VOCs, PAHs
SB-50 (19-20')	PD09043-034	PD09043	VOCs, PAHs
TRIP BLANK 4/8/14A	PD09043-035	PD09043	VOCs
IDW-DRUMS 1&2	PD09043-036	PD09043	TCLP VOCs
TRIP BLANK 4/8/14B	PD09043-037	PD09043	VOCs
TRIP BLANK 4/9/14	PD09043-038	PD09043	VOCs

The following comments refer to SES's performance in meeting the quality control specifications described in the analytical methods. Data were qualified based on the method criteria and guidance provided in the EPA document *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review,* June 2008. Data qualifiers that may be assigned to data from these laboratory groups include:

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. A '+' or '-' may be assigned to the 'J' flag to indicate high or low bias, respectively.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- DNR - Do Not Report. Multiple results reported from different analytical dates and/or dilutions. Value from another analysis should be used.

Sample Receipt

Upon receipt by SES, the sample jar information was compared to the associated chain-of-custody (COC) and the cooler temperatures were recorded. The coolers were received at temperatures within the EPA-recommended limits of greater than 0°C and less than or equal to 6°C.

The trip blanks associated with laboratory groups PD02110, PD02111, PD05007, and PD05008 were not listed on the associated COCs. These trip blanks were analyzed for VOCs at the direction of URS Corporation.

The sample depths for 3 samples collected at SB-50 were missing from the associated COC. The sample depths were recorded from the sample labels for these samples with concurrence from URS Corporation.

Collection times for SB-51 (9-10') and SB-51 (23-24') were not listed on the associated COC. The laboratory used the collection times on the associated sample containers with concurrence from URS Corporation.

Organic Analyses

Samples were analyzed for VOCs and/or PAHs by the methods identified in the introduction to this report.

1. Holding Times – Acceptable

2. Blanks – Acceptable except as noted below:

   VOCs by Method 8260B – Acetone (7.7 ug/kg) was detected at a concentration less than the reporting limit and greater than the method detection limit (MDL) in the method blank analyzed on April 7, 2014. Acetone was detected in SB-27(7-8') and SB29(27-28') at concentrations less than the reporting limits but above the MDLs; therefore, the results for acetone in these samples were qualified as not detected and flagged 'U' at the reporting limits based on this method blank result.

   Tetrachloroethene (PCE, 46 ug/kg) was detected at a concentration less than the reporting limit and greater than the MDL in another method blank analyzed on April 7, 2014. PCE was detected in SB-32(7-8') at a concentration less than the reporting limit but above the MDL; therefore, the result for PCE in this sample was qualified as not detected and flagged 'U' at the reporting limit based on this method blank result.

   Acetone (7.1 ug/kg), 2-hexanone (4.0 ug/kg), and 4-methyl-2-pentanone (2.0 ug/kg) were detected at concentrations less than the reporting limits and greater than the method detection limits in the method blank analyzed on April 8, 2014. Acetone, 2-hexanone, and 4-methyl-2-pentanone were not detected in the associated samples; therefore, the results for these analytes were not qualified in these samples based on these method blank results.

3. Surrogates – Acceptable except as noted below:

   VOCs by Method 8260B – The percent recoveries for the following surrogates were outside the control limits:

Sample ID & Dilution Control Limits:	**1,2-DCA-d4 53-142%**	**BFB 47-138%**	**Toluene-d8 68-124%**
SB-34(25-26') 50X	ok	44%	57%
SB-25(28-29') 100X	ok	ok	67%
SB-26(2-3') 50,000X	0%	478%	0%
SB-44(24-25') 2,000X	0%	153%	124%
SB-45(3-4') 10,000X	0%	305%	271%
SB-45(15-16') 20,000X	0%	0%	435%
SB-45(21-22') 40,000X	0%	709%	275%
DUP-3 10,000X	0%	239%	287%
SB-46(3-4') 2,000X	0%	148%	143%
SB-46(15-16') 500X	ok	ok	63%
SB-46(15-16') 10,000X	0%	0%	220%
SB-46(25-26') 20,000X	0%	0%	391%
SB-56(13-14') 50X	ok	142%	131%
SB-37 (23-24') 50X	ok	43%	55%
SB-41 (14-15') 50X	ok	ok	66%
SB-41 (23-24') 50X	ok	ok	66%
SB-43 (7-8') 50X	ok	ok	61%
SB-43 (7-8') 500X	ok	45%	48%
SB-43 (10-11') 50X	ok	ok	52%
SB-43 (10-11') 1,000X	ok	ok	50%
SB-43 (19-20') 1,000X	ok	ok	55%
SB-42 (0-1') 50X	ok	ok	59%
SB-42 (0-1') 200X	ok	ok	57%
SB-42 (23-24') 1,000X	ok	31%	34%

DCA - Dichloroethane BFB – Bromofluorobenzene ok – result acceptable

The results for all VOCs in SB-34(25-26'), SB-37 (23-24'), SB-41 (14-15'), SB-41 (23-24'), SB-43 (7-8'), SB-43 (10-11'), SB-42 (0-1'), and SB-46(15-16') were qualified as estimated and flagged 'J' or 'UJ' based on these surrogate results. The results for the detected VOCs in SB-56(13-14') were qualified as estimated and flagged 'J' based on the surrogate recoveries. Due to the dilutions required to quantitate PCE, the surrogates were diluted out in SB-25 (28-29'), SB-26(2-3'), SB-44(24-25'), SB-45(3-4'), SB-45(15-16'), SB-45(21-22'), DUP-3, SB-46(3-4'), SB-46(15-16'), and SB-46(25-26'); therefore, data were not qualified in these samples based on the surrogate recoveries.

PAHs by Method 8270D – The percent recovery for 2-fluorobiphenyl (103%) in SB-48(14-15') exceeded the control limits of 33-102%. The percent recoveries for the alternate surrogates, nitrobenzene-d5 and terphenyl-d14, in SB-48(14-15') were within the control limits; therefore, data were not qualified in SB-48(14-15') based on the elevated 2-fluorobiphenyl recovery.

4. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD) – Acceptable except as noted below:

VOCs by Method 8260B – The percent recoveries for methyl tert-butyl ether (MTBE) in the LCS (138%) and LCSD (142%) analyzed on April 8, 2014 exceeded the control limits of 70-130%. MTBE was not detected in the samples associated with this LCS/LCSD; therefore, data were not qualified for MTBE based on these LCS/LCSD results.

The percent recovery for 1,1,2-trichloro-1,2,2-trifluoroethane in the LCSD (138%) analyzed on April 14, 2014 exceeded the control limits of 49-136%. 1,1,2-Trichloro-1,2,2-trifluoroethane was not detected in the samples associated with this LCS/LCSD; therefore, data were not qualified for 1,1,2-trichloro-1,2,2-trifluoroethane based on this LCSD result.

The relative percent differences (RPDs) for the following compounds in 4 LCS/LCSD pairs were outside the control limit as described below.

LCS/LCSD Analysis Date	**Analyte**	**RPD Control Limit 20%**
April 8, 2014 (#1)	1,4-Dichlorobenzene	28%
	1,3-Dichlorobenzene	26%
	1,2-Dichlorobenzene	21%
	Isopropylbenzene	28%
	1,2,4-Trichlorobenzene	23%
April 8, 2014 (#2)	Acetone	25%
April 11, 2014	Acetone	26%
April 14 & 16, 2014	Acetone	32%
	2-Butanone	29%
	1,4-Dichlorobenzene	31%
	1,3-Dichlorobenzene	31%
	1,2-Dichlorobenzene	21%
	PCE	25%
	1,2,4-Trichlorobenzene	57%

As 2 out of the 3 quality control parameters were acceptable (LCS, LCSD, and/or RPD), data were not qualified for acetone, 2-butanone, 1,4-dichlorobenzene (1,4-DCB), 1,3-dichlorobenzene (1,3-DCB), 1,2-dichlorobenzene (1,2-DCB), isopropylbenzene, PCE, and/or 1,2,4-trichlorobenzene based on the elevated RPDs.

5. Matrix Spike/Matrix Spike Duplicates (MS/MSD) – Acceptable except as noted below:

VOCs by Method 8260B – MS/MSDs were performed on SB-33(2-3'), SB38(16-17'), IDW-DRUMS 1&2, and SB-24(3-4') for PCE only. Results were acceptable.

An MS/MSD was performed on SB-24(3-4') for all requested VOCs. The RPDs for acetone, benzene, chlorobenzene, 1,2-DCB, 1,3-DCB, 1,4-DCB, cis-1,3-dichloropropene, ethylbenzene, 2-hexanone, isopropylbenzene, methyl acetate, methylcyclohexane, styrene, PCE, toluene, 1,2,4-trichlorobenzene, trichloroethene, and total xylenes exceeded the control limit of 20% and ranged between 21% and 44%. The percent recovery for methyl acetate in the MSD (174%) exceeded the control limits of 59-137%. As 2 out of the 3 quality control parameters were acceptable (MS, MSD, and/or RPD), data were not qualified for these compounds with the exception of methyl acetate based on these elevated RPDs. Methyl acetate was not detected in SB-24(3-4'); therefore, data were not qualified for methyl acetate based on the elevated RPD and MSD result.

An MS/MSD was performed on SB-36(5-6'). The RPDs for several VOCs exceeded the control limit of 20% as noted below.

Analyte	**RPD**
Carbon disulfide	24%
Chlorobenzene	22%
1,2-DCB	26%
1,3-DCB	32%
1,4-DCB	30%
Ethylbenzene	23%
Isopropylbenzene	35%
Styrene	24%
Toluene	21%
1,2,4-Trichlorobenzene	30%
Total Xylenes	22%

As 2 out of the 3 quality control parameters were acceptable (MS, MSD, and/or RPD), data were not qualified for these compounds in SB-36(5-6') based on these elevated RPDs.

An MS/MSD was performed on SB-55(11-12'). The percent recoveries or the following compounds were outside the control limits as noted below:

Analyte	**MS**	**MSD**	**Control Limits**
Acetone	42%	47%	60-140%
Benzene	65%	66%	69-123%
Bromodichloromethane	67%	67%	69-121%
Chlorobenzene	ok	58%	59-129%
Chloroform	66%	68%	71-125%
1,2-Dibromomethane	64%	64%	74-124%
1,2-DCB	56%	50%	57-131%
1,3-DCB	ok	47%	51-134%
1,4-DCB	ok	47%	52-133%
1,1-Dichloroethane	68%	69%	71-127%
cis-1,2-Dichloroethene	65%	65%	70-122%
1,2-Dichloropropane	64%	63%	72-124%
cis-1,3-Dichloropropene	62%	61%	70-126%

ok – result acceptable

Analyte (continued)	MS	MSD	Control Limits
trans-1,3-Dichloropropene	63%	61%	70-124%
Ethylbenzene	ok	58%	59-128%
MTBE	63%	67%	70-130%
Methylene Chloride	60%	65%	77-129%
1,1,2,2-Tetrachloroethane	66%	64%	69-132%
PCE	67%	64%	70-130%
Total Xylenes	ok	56%	58-128%

ok – result acceptable

As 2 out of the 3 quality control parameters were acceptable (MS, MSD, and/or RPD), data were not qualified for chlorobenzene, 1,3-DCB, 1,4-DCB, ethylbenzene, and total xylenes based on the MS/MSD results. The results for acetone, benzene, bromodichloromethane, chloroform, 1,2-dibromomethane, 1,2-DCB, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,2-dichloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, MTBE, methylene chloride, and 1,1,2,2-tetrachloroethane in SB-55(11-12') were qualified as estimated and flagged 'UJ' for these analytes based on the MS/MSD results. The result for PCE in SB-55(11-12') was flagged 'J' by the laboratory (result was greater than the MDL and less than the reporting limit) and no further qualification is required based on the MS/MSD results.

An MS was performed on SB-58(9-10'). The percent recoveries for carbon disulfide (123%) and 1,1,2-trichloro-1,2,2-trifluoroethane (144%) exceeded the control limits of 58-122% and 49-136%, respectively. Carbon disulfide and 1,1,2-trichloro-1,2,2-trifluoroethane were not detected in SB-58(9-10'); therefore, data were not qualified for these analytes based on the MS results.

PAHs by Method 8270D – MS/MSDs were performed on SB-55(11-12') and SB-38(16-17'). Results were acceptable.

6. Laboratory Duplicate – Acceptable

VOCs by Method 8260B – A laboratory duplicate was performed on SB-56(0-1'). Results were comparable.

7. Field Duplicates – Acceptable except as noted below:

VOCs by Method 8260B – Field duplicates were submitted for SB-31(6-7'), SB-25(28-29'), SB-45(15-16'), SB-55(24-25'), SB-56(28-29'), and SB-43(19-20') and identified as DUP2, DUP1, DUP3, DUP4, DUP5, and DUP6, respectively. Results were comparable, except as noted below.

The RPDs for isopropyl benzene (67%) and methylcyclohexane (56%) were more than 50% for the parent sample/field duplicate pair SB-55(24-25')/DUP4. The results for isopropyl benzene and methylcyclohexane in SB-55(24-25') and DUP4 were qualified as estimated and flagged 'J' based on the elevated field duplicate RPDs.

The RPDs for 4 VOCs were more than 50% or were not calculable for the parent sample/field duplicate pair SB-56(28-29')/DUP5 as noted below.

Analyte	RPD
Ethylbenzene	NC
Isopropylbenzene	194%
Methylcyclohexane	189%
Total Xylenes	NC

NC – not calculable

The results for ethylbenzene, isopropyl benzene, methylcyclohexane, and total xylenes in SB-56(28-29') and DUP5 were qualified as estimated and flagged 'J' or 'UJ' based on the elevated field duplicate RPDs.

PAHs by Method 8270D – Field duplicates were submitted for SB-45(15-16'), SB-55(24-25'), SB-56(28-29'), and SB-43(19-20') and identified as DUP3, DUP4, DUP5, and DUP6, respectively. Results were comparable, except as noted below.

The RPDs for 4 PAHs were more than 50% or were not calculable for the parent sample/field duplicate pair SB-56(28-29')/DUP5 as noted below.

Analyte	RPD
Acenaphthene	67%
Naphthalene	NC
Phenanthrene	133%
Pyrene	52%

NC – not calculable

The results for acenaphthene, naphthalene, phenanthrene, and pyrene in SB-56(28-29') and DUP5 were qualified as estimated and flagged 'J' or 'UJ' based on the elevated field duplicate RPDs.

6. Reporting Limits – Acceptable except as noted below:

General – Analyte concentrations detected between the MDL and the reporting limit are reported by the laboratory with an 'J' flag. One or more results were flagged 'J' by the laboratory in several samples. Laboratory 'J'-flagged results are considered estimated results. As the result is between the method detection limit and the reporting limit, there is a greater level of uncertainty associated with the numerical result. Laboratory assigned J-flags were designated on the data tables with an asterisk (*).

VOCs by Method 8260B – The reporting limits for one or more VOCs were elevated in the majority of the samples due to the moisture content and/or dilutions for high concentrations and/or matrix interference. The elevated reporting limits may affect the usability of the data.

PAHs by Method 8270D – The reporting limits for one or more PAHs were elevated in in the majority of the samples due to the moisture content and/or dilutions for high concentrations and/or matrix interference. The elevated reporting limits may affect the usability of the data.

7. Type of Review – Summary

Overall Assessment of Data

The data reported in these laboratory groups, as qualified, are considered to be usable for meeting project objectives. The completeness for laboratory groups PD02110, PD02111, PD05007, PD05008, PD07049, and PD09043 is 100%.

QA/QC Data Summary Review
Soil Sampling - March - April 2014
Itron - Greenwood S.C.

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-27(7-8')	PD02110-001	Acetone	0.011 J*	mg/kg	0.020 U
SB-29(27-28')	PD02110-005	Acetone	0.019 J*	mg/kg	0.021 U
SB-32(7-8')	PD02110-014	Tetrachloroethene	0.14 J*	mg/kg	0.40 U
SB-34(25-26')	PD02110-018	Acetone	1.2 U	mg/kg	1.2 UJ
		Benzene	0.30 U	mg/kg	0.30 UJ
		Bromodichloromethane	0.30 U	mg/kg	0.30 UJ
		Bromoform	0.30 U	mg/kg	0.30 UJ
		Bromomethane (Methyl bromide)	0.30 U	mg/kg	0.30 UJ
		2-Butanone (MEK)	0.61 U	mg/kg	0.61 UJ
		Carbon disulfide	0.30 U	mg/kg	0.30 UJ
		Carbon tetrachloride	0.30 U	mg/kg	0.30 UJ
		Chlorobenzene	0.30 U	mg/kg	0.30 UJ
		Chloroethane	0.30 U	mg/kg	0.30 UJ
		Chloroform	0.30 U	mg/kg	0.30 UJ
		Chloromethane (Methyl chloride)	0.30 U	mg/kg	0.30 UJ
		Cyclohexane	0.30 U	mg/kg	0.30 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.30 U	mg/kg	0.30 UJ
		Dibromochloromethane	0.30 U	mg/kg	0.30 UJ
		1,2-Dibromoethane (EDB)	0.30 U	mg/kg	0.30 UJ
		1,2-Dichlorobenzene	0.30 U	mg/kg	0.30 UJ
		1,3-Dichlorobenzene	0.30 U	mg/kg	0.30 UJ
		1,4-Dichlorobenzene	0.30 U	mg/kg	0.30 UJ
		Dichlorodifluoromethane	0.30 U	mg/kg	0.30 UJ
		1,1-Dichloroethane	0.30 U	mg/kg	0.30 UJ
		1,2-Dichloroethane	0.30 U	mg/kg	0.30 UJ
		1,1-Dichloroethene	0.30 U	mg/kg	0.30 UJ
		cis-1,2-Dichloroethene	0.30 U	mg/kg	0.30 UJ
		trans-1,2-Dichloroethene	0.30 U	mg/kg	0.30 UJ
		1,2-Dichloropropane	0.30 U	mg/kg	0.30 UJ
		cis-1,3-Dichloropropene	0.30 U	mg/kg	0.30 UJ
		trans-1,3-Dichloropropene	0.30 U	mg/kg	0.30 UJ
		Ethylbenzene	0.30 U	mg/kg	0.30 UJ
		2-Hexanone	0.61 U	mg/kg	0.61 UJ
		Isopropylbenzene	0.30 U	mg/kg	0.30 UJ
		Methyl acetate	0.30 U	mg/kg	0.30 UJ
		Methyl tertiary butyl ether (MTBE)	0.30 U	mg/kg	0.30 UJ
		4-Methyl-2-pentanone	0.61 U	mg/kg	0.61 UJ
		Methylcyclohexane	0.30 U	mg/kg	0.30 UJ
		Methylene chloride	0.30 U	mg/kg	0.30 UJ
		Styrene	0.30 U	mg/kg	0.30 UJ
		1,1,2,2-Tetrachloroethane	0.30 U	mg/kg	0.30 UJ
		Tetrachloroethene	4.3	mg/kg	4.3 J
		Toluene	0.30 U	mg/kg	0.30 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	0.30 U	mg/kg	0.30 UJ
		1,2,4-Trichlorobenzene	0.30 U	mg/kg	0.30 UJ
		1,1,1-Trichloroethane	0.30 U	mg/kg	0.30 UJ
		1,1,2-Trichloroethane	0.30 U	mg/kg	0.30 UJ
		Trichloroethene	0.30 U	mg/kg	0.30 UJ
		Trichlorofluoromethane	0.30 U	mg/kg	0.30 UJ
		Vinyl chloride	0.30 U	mg/kg	0.30 UJ
		Xylenes (total)	0.30 U	mg/kg	0.30 UJ
SB-46(15-16')	PD05008-002	Acetone	14 U	mg/kg	14 UJ
		Benzene	3.6 U	mg/kg	3.6 UJ
		Bromodichloromethane	3.6 U	mg/kg	3.6 UJ
		Bromoform	3.6 U	mg/kg	3.6 UJ
		Bromomethane (Methyl bromide)	3.6 U	mg/kg	3.6 UJ
		2-Butanone (MEK)	7.2 U	mg/kg	7.2 UJ
		Carbon disulfide	3.6 U	mg/kg	3.6 UJ
		Carbon tetrachloride	3.6 U	mg/kg	3.6 UJ
		Chlorobenzene	3.6 U	mg/kg	3.6 UJ
		Chloroethane	3.6 U	mg/kg	3.6 UJ
		Chloroform	3.6 U	mg/kg	3.6 UJ
		Chloromethane (Methyl chloride)	3.6 U	mg/kg	3.6 UJ
		Cyclohexane	3.6 U	mg/kg	3.6 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	3.6 U	mg/kg	3.6 UJ
		Dibromochloromethane	3.6 U	mg/kg	3.6 UJ
		1,2-Dibromoethane (EDB)	3.6 U	mg/kg	3.6 UJ
		1,2-Dichlorobenzene	3.6 U	mg/kg	3.6 UJ
		1,3-Dichlorobenzene	3.6 U	mg/kg	3.6 UJ

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-46(15-16')	PD05008-002	1,4-Dichlorobenzene	3.6 U	mg/kg	3.6 UJ
		Dichlorodifluoromethane	3.6 U	mg/kg	3.6 UJ
		1,1-Dichloroethane	3.6 U	mg/kg	3.6 UJ
		1,2-Dichloroethane	3.6 U	mg/kg	3.6 UJ
		1,1-Dichloroethene	3.6 U	mg/kg	3.6 UJ
		cis-1,2-Dichloroethene	3.6 U	mg/kg	3.6 UJ
		trans-1,2-Dichloroethene	3.6 U	mg/kg	3.6 UJ
		1,2-Dichloropropane	3.6 U	mg/kg	3.6 UJ
		cis-1,3-Dichloropropene	3.6 U	mg/kg	3.6 UJ
		trans-1,3-Dichloropropene	3.6 U	mg/kg	3.6 UJ
		Ethylbenzene	3.6 U	mg/kg	3.6 UJ
		2-Hexanone	7.2 U	mg/kg	7.2 UJ
		Isopropylbenzene	3.6 U	mg/kg	3.6 UJ
		Methyl acetate	3.6 U	mg/kg	3.6 UJ
		Methyl tertiary butyl ether (MTBE)	3.6 U	mg/kg	3.6 UJ
		4-Methyl-2-pentanone	7.2 U	mg/kg	7.2 UJ
		Methylcyclohexane	3.6 U	mg/kg	3.6 UJ
		Methylene chloride	3.6 U	mg/kg	3.6 UJ
		Styrene	3.6 U	mg/kg	3.6 UJ
		1,1,2,2-Tetrachloroethane	3.6 U	mg/kg	3.6 UJ
		Tetrachloroethene	1,700	mg/kg	1,700 J
		Toluene	3.6 U	mg/kg	3.6 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	3.6 U	mg/kg	3.6 UJ
		1,2,4-Trichlorobenzene	3.6 U	mg/kg	3.6 UJ
		1,1,1-Trichloroethane	3.6 U	mg/kg	3.6 UJ
		1,1,2-Trichloroethane	3.6 U	mg/kg	3.6 UJ
		Trichloroethene	3.6 U	mg/kg	3.6 UJ
		Trichlorofluoromethane	3.6 U	mg/kg	3.6 UJ
		Vinyl chloride	3.6 U	mg/kg	3.6 UJ
		Xylenes (total)	3.6 U	mg/kg	3.6 UJ
SB-55(11-12')	PD05008-018	Acetone	0.025 U	mg/kg	0.025 UJ
		Benzene	0.0063 U	mg/kg	0.0063 UJ
		Bromodichloromethane	0.0063 U	mg/kg	0.0063 UJ
		Chloroform	0.0063 U	mg/kg	0.0063 UJ
		1,2-Dibromoethane (EDB)	0.0063 U	mg/kg	0.0063 UJ
		1,2-Dichlorobenzene	0.0063 U	mg/kg	0.0063 UJ
		1,1-Dichloroethane	0.0063 U	mg/kg	0.0063 UJ
		cis-1,2-Dichloroethene	0.0063 U	mg/kg	0.0063 UJ
		1,2-Dichloropropane	0.0063 U	mg/kg	0.0063 UJ
		cis-1,3-Dichloropropene	0.0063 U	mg/kg	0.0063 UJ
		trans-1,3-Dichloropropene	0.0063 U	mg/kg	0.0063 UJ
		Methyl tertiary butyl ether (MTBE)	0.0063 U	mg/kg	0.0063 UJ
		Methylene chloride	0.0063 U	mg/kg	0.0063 UJ
		1,1,2,2-Tetrachloroethane	0.0063 U	mg/kg	0.0063 UJ
SB-55(24-25')	PD05008-019	Isopropylbenzene	1.5	mg/kg	1.5 J
		Methylcyclohexane	1.1	mg/kg	1.1 J
DUP-4	PD05008-020	Isopropylbenzene	0.75	mg/kg	0.75 J
		Methylcyclohexane	0.62	mg/kg	0.62 J
SB-56 (13-14')	PD09043-003	Ethylbenzene	0.42	mg/kg	0.42 J
		Isopropylbenzene	0.55	mg/kg	0.55 J
		Xylenes (total)	1.1	mg/kg	1.1 J
SB-56 (28-29')	PD09043-004	Ethylbenzene	2.2	mg/kg	2.2 J
		Isopropylbenzene	2.7	mg/kg	2.7 J
		Methylcyclohexane	2.3	mg/kg	2.3 J
		Xylenes (total)	15	mg/kg	15 J
		Acenaphthene	2.2	mg/kg	2.2 J
		Naphthalene	15	mg/kg	15 J
		Phenanthrene	16	mg/kg	16 J
DUP-5	PD09043-005	Ethylbenzene	0.31 U	mg/kg	0.31 UJ
		Xylenes (total)	0.31 U	mg/kg	0.31 UJ
		Acenaphthene	1.1	mg/kg	1.1 J
		Naphthalene	0.40 U	mg/kg	0.40 UJ
		Phenanthrene	3.2	mg/kg	3.2 J
		Pyrene	0.57	mg/kg	0.57 J

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-37 (23-24')	PD09043-017	Acetone	1.6 U	mg/kg	1.6 UJ
		Benzene	0.40 U	mg/kg	0.40 UJ
		Bromodichloromethane	0.40 U	mg/kg	0.40 UJ
		Bromoform	0.40 U	mg/kg	0.40 UJ
		Bromomethane (Methyl bromide)	0.40 U	mg/kg	0.40 UJ
		2-Butanone (MEK)	0.81 U	mg/kg	0.81 UJ
		Carbon disulfide	0.40 U	mg/kg	0.40 UJ
		Carbon tetrachloride	0.40 U	mg/kg	0.40 UJ
		Chlorobenzene	0.40 U	mg/kg	0.40 UJ
		Chloroethane	0.40 U	mg/kg	0.40 UJ
		Chloroform	0.40 U	mg/kg	0.40 UJ
		Chloromethane (Methyl chloride)	0.40 U	mg/kg	0.40 UJ
		Cyclohexane	0.40 U	mg/kg	0.40 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.40 U	mg/kg	0.40 UJ
		Dibromochloromethane	0.40 U	mg/kg	0.40 UJ
		1,2-Dibromoethane (EDB)	0.40 U	mg/kg	0.40 UJ
		1,2-Dichlorobenzene	0.40 U	mg/kg	0.40 UJ
		1,3-Dichlorobenzene	0.40 U	mg/kg	0.40 UJ
		1,4-Dichlorobenzene	0.40 U	mg/kg	0.40 UJ
		Dichlorodifluoromethane	0.40 U	mg/kg	0.40 UJ
		1,1-Dichloroethane	0.40 U	mg/kg	0.40 UJ
		1,2-Dichloroethane	0.40 U	mg/kg	0.40 UJ
		1,1-Dichloroethene	0.40 U	mg/kg	0.40 UJ
		cis-1,2-Dichloroethene	0.40 U	mg/kg	0.40 UJ
		trans-1,2-Dichloroethene	0.40 U	mg/kg	0.40 UJ
		1,2-Dichloropropane	0.40 U	mg/kg	0.40 UJ
		cis-1,3-Dichloropropene	0.40 U	mg/kg	0.40 UJ
		trans-1,3-Dichloropropene	0.40 U	mg/kg	0.40 UJ
		Ethylbenzene	0.58	mg/kg	0.58 J
		2-Hexanone	0.81 U	mg/kg	0.81 UJ
		Isopropylbenzene	1.6	mg/kg	1.6 J
		Methyl acetate	0.40 U	mg/kg	0.40 UJ
		Methyl tertiary butyl ether (MTBE)	0.40 U	mg/kg	0.40 UJ
		4-Methyl-2-pentanone	0.81 U	mg/kg	0.81 UJ
		Methylcyclohexane	0.42	mg/kg	0.42 J
		Methylene chloride	0.40 U	mg/kg	0.40 UJ
		Styrene	0.40 U	mg/kg	0.40 UJ
		1,1,2,2-Tetrachloroethane	0.40 U	mg/kg	0.40 UJ
		Tetrachloroethene	0.14 J*	mg/kg	0.14 J*
		Toluene	0.40 U	mg/kg	0.40 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	0.40 U	mg/kg	0.40 UJ
		1,2,4-Trichlorobenzene	0.40 U	mg/kg	0.40 UJ
		1,1,1-Trichloroethane	0.40 U	mg/kg	0.40 UJ
		1,1,2-Trichloroethane	0.40 U	mg/kg	0.40 UJ
		Trichloroethene	0.40 U	mg/kg	0.40 UJ
		Trichlorofluoromethane	0.40 U	mg/kg	0.40 UJ
		Vinyl chloride	0.40 U	mg/kg	0.40 UJ
		Xylenes (total)	4.8	mg/kg	4.8 J
SB-41 (14-15')	PD09043-022	Acetone	1.3 U	mg/kg	1.3 UJ
		Benzene	0.33 U	mg/kg	0.33 UJ
		Bromodichloromethane	0.33 U	mg/kg	0.33 UJ
		Bromoform	0.33 U	mg/kg	0.33 UJ
		Bromomethane (Methyl bromide)	0.33 U	mg/kg	0.33 UJ
		2-Butanone (MEK)	0.66 U	mg/kg	0.66 UJ
		Carbon disulfide	0.33 U	mg/kg	0.33 UJ
		Carbon tetrachloride	0.33 U	mg/kg	0.33 UJ
		Chlorobenzene	0.33 U	mg/kg	0.33 UJ
		Chloroethane	0.33 U	mg/kg	0.33 UJ
		Chloroform	0.33 U	mg/kg	0.33 UJ
		Chloromethane (Methyl chloride)	0.33 U	mg/kg	0.33 UJ
		Cyclohexane	0.33 U	mg/kg	0.33 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.33 U	mg/kg	0.33 UJ
		Dibromochloromethane	0.33 U	mg/kg	0.33 UJ
		1,2-Dibromoethane (EDB)	0.33 U	mg/kg	0.33 UJ
		1,2-Dichlorobenzene	0.33 U	mg/kg	0.33 UJ
		1,3-Dichlorobenzene	0.33 U	mg/kg	0.33 UJ
		1,4-Dichlorobenzene	0.33 U	mg/kg	0.33 UJ
		Dichlorodifluoromethane	0.33 U	mg/kg	0.33 UJ

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-41 (14-15') (continued)	PD09043-022	1,1-Dichloroethane	0.33 U	mg/kg	0.33 UJ
		1,2-Dichloroethane	0.33 U	mg/kg	0.33 UJ
		1,1-Dichloroethene	0.33 U	mg/kg	0.33 UJ
		cis-1,2-Dichloroethene	0.33 U	mg/kg	0.33 UJ
		trans-1,2-Dichloroethene	0.33 U	mg/kg	0.33 UJ
		1,2-Dichloropropane	0.33 U	mg/kg	0.33 UJ
		cis-1,3-Dichloropropene	0.33 U	mg/kg	0.33 UJ
		trans-1,3-Dichloropropene	0.33 U	mg/kg	0.33 UJ
		Ethylbenzene	0.23 J*	mg/kg	0.23 J*
		2-Hexanone	0.66 U	mg/kg	0.66 UJ
		Isopropylbenzene	1.8	mg/kg	1.8 J
		Methyl acetate	0.33 U	mg/kg	0.33 UJ
		Methyl tertiary butyl ether (MTBE)	0.33 U	mg/kg	0.33 UJ
		4-Methyl-2-pentanone	0.66 U	mg/kg	0.66 UJ
		Methylcyclohexane	0.12 J*	mg/kg	0.12 J*
		Methylene chloride	0.33 U	mg/kg	0.33 UJ
		Styrene	0.33 U	mg/kg	0.33 UJ
		1,1,2,2-Tetrachloroethane	0.33 U	mg/kg	0.33 UJ
		Tetrachloroethene	2.2	mg/kg	2.2 J
		Toluene	0.33 U	mg/kg	0.33 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	0.33 U	mg/kg	0.33 UJ
		1,2,4-Trichlorobenzene	0.33 U	mg/kg	0.33 UJ
		1,1,1-Trichloroethane	0.33 U	mg/kg	0.33 UJ
		1,1,2-Trichloroethane	0.33 U	mg/kg	0.33 UJ
		Trichloroethene	0.33 U	mg/kg	0.33 UJ
		Trichlorofluoromethane	0.33 U	mg/kg	0.33 UJ
		Vinyl chloride	0.33 U	mg/kg	0.33 UJ
		Xylenes (total)	4.1	mg/kg	4.1 J
SB-41 (23-24')	PD09043-023	Acetone	1.3 U	mg/kg	1.3 UJ
		Benzene	0.32 U	mg/kg	0.32 UJ
		Bromodichloromethane	0.32 U	mg/kg	0.32 UJ
		Bromoform	0.32 U	mg/kg	0.32 UJ
		Bromomethane (Methyl bromide)	0.32 U	mg/kg	0.32 UJ
		2-Butanone (MEK)	0.32 U	mg/kg	0.63 UJ
		Carbon disulfide	0.32 U	mg/kg	0.32 UJ
		Carbon tetrachloride	0.32 U	mg/kg	0.32 UJ
		Chlorobenzene	0.32 U	mg/kg	0.32 UJ
		Chloroethane	0.32 U	mg/kg	0.32 UJ
		Chloroform	0.32 U	mg/kg	0.32 UJ
		Chloromethane (Methyl chloride)	0.32 U	mg/kg	0.32 UJ
		Cyclohexane	0.32 U	mg/kg	0.32 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.32 U	mg/kg	0.32 UJ
		Dibromochloromethane	0.32 U	mg/kg	0.32 UJ
		1,2-Dibromoethane (EDB)	0.32 U	mg/kg	0.32 UJ
		1,2-Dichlorobenzene	0.32 U	mg/kg	0.32 UJ
		1,3-Dichlorobenzene	0.32 U	mg/kg	0.32 UJ
		1,4-Dichlorobenzene	0.32 U	mg/kg	0.32 UJ
		Dichlorodifluoromethane	0.32 U	mg/kg	0.32 UJ
		1,1-Dichloroethane	0.32 U	mg/kg	0.32 UJ
		1,2-Dichloroethane	0.32 U	mg/kg	0.32 UJ
		1,1-Dichloroethene	0.32 U	mg/kg	0.32 UJ
		cis-1,2-Dichloroethene	0.32 U	mg/kg	0.32 UJ
		trans-1,2-Dichloroethene	0.32 U	mg/kg	0.32 UJ
		1,2-Dichloropropane	0.32 U	mg/kg	0.32 UJ
		cis-1,3-Dichloropropene	0.32 U	mg/kg	0.32 UJ
		trans-1,3-Dichloropropene	0.32 U	mg/kg	0.32 UJ
		Ethylbenzene	0.20 J*	mg/kg	0.20 J*
		2-Hexanone	0.63 U	mg/kg	0.63 UJ
		Isopropylbenzene	1.4	mg/kg	1.4 J
		Methyl acetate	0.32 U	mg/kg	0.32 UJ
		Methyl tertiary butyl ether (MTBE)	0.32 U	mg/kg	0.32 UJ
		4-Methyl-2-pentanone	0.63 U	mg/kg	0.63 UJ
		Methylcyclohexane	0.14 J*	mg/kg	0.14 J*
		Methylene chloride	0.32 U	mg/kg	0.32 UJ
		Styrene	0.32 U	mg/kg	0.32 UJ
		1,1,2,2-Tetrachloroethane	0.32 U	mg/kg	0.32 UJ
		Tetrachloroethene	0.79	mg/kg	0.79 J
		Toluene	0.32 U	mg/kg	0.32 UJ

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-41 (23-24') (continued)	PD09043-023	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.32 U	mg/kg	0.32 UJ
		1,2,4-Trichlorobenzene	0.32 U	mg/kg	0.32 UJ
		1,1,1-Trichloroethane	0.32 U	mg/kg	0.32 UJ
		1,1,2-Trichloroethane	0.32 U	mg/kg	0.32 UJ
		Trichloroethene	0.32 U	mg/kg	0.32 UJ
		Trichlorofluoromethane	0.32 U	mg/kg	0.32 UJ
		Vinyl chloride	0.32 U	mg/kg	0.32 UJ
		Xylenes (total)	3.3	mg/kg	3.3 J
SB-43 (7-8')	PD09043-024	Acetone	1.1 U	mg/kg	1.1 UJ
		Benzene	0.29 U	mg/kg	0.29 UJ
		Bromodichloromethane	0.29 U	mg/kg	0.29 UJ
		Bromoform	0.29 U	mg/kg	0.29 UJ
		Bromomethane (Methyl bromide)	0.29 U	mg/kg	0.29 UJ
		2-Butanone (MEK)	0.57 U	mg/kg	0.57 UJ
		Carbon disulfide	0.29 U	mg/kg	0.29 UJ
		Carbon tetrachloride	0.29 U	mg/kg	0.29 UJ
		Chlorobenzene	0.29 U	mg/kg	0.29 UJ
		Chloroethane	0.29 U	mg/kg	0.29 UJ
		Chloroform	0.29 U	mg/kg	0.29 UJ
		Chloromethane (Methyl chloride)	0.29 U	mg/kg	0.29 UJ
		Cyclohexane	0.29 U	mg/kg	0.29 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.29 U	mg/kg	0.29 UJ
		Dibromochloromethane	0.29 U	mg/kg	0.29 UJ
		1,2-Dibromoethane (EDB)	0.29 U	mg/kg	0.29 UJ
		1,2-Dichlorobenzene	0.29 U	mg/kg	0.29 UJ
		1,3-Dichlorobenzene	0.29 U	mg/kg	0.29 UJ
		1,4-Dichlorobenzene	0.29 U	mg/kg	0.29 UJ
		Dichlorodifluoromethane	0.29 U	mg/kg	0.29 UJ
		1,1-Dichloroethane	0.29 U	mg/kg	0.29 UJ
		1,2-Dichloroethane	0.29 U	mg/kg	0.29 UJ
		1,1-Dichloroethene	0.29 U	mg/kg	0.29 UJ
		cis-1,2-Dichloroethene	0.077 J*	mg/kg	0.077 J*
		trans-1,2-Dichloroethene	0.29 U	mg/kg	0.29 UJ
		1,2-Dichloropropane	0.29 U	mg/kg	0.29 UJ
		cis-1,3-Dichloropropene	0.29 U	mg/kg	0.29 UJ
		trans-1,3-Dichloropropene	0.29 U	mg/kg	0.29 UJ
		Ethylbenzene	0.29 U	mg/kg	0.29 UJ
		2-Hexanone	0.57 U	mg/kg	0.57 UJ
		Isopropylbenzene	0.072 J*	mg/kg	0.072 J*
		Methyl acetate	0.29 U	mg/kg	0.29 UJ
		Methyl tertiary butyl ether (MTBE)	0.29 U	mg/kg	0.29 UJ
		4-Methyl-2-pentanone	0.57 U	mg/kg	0.57 UJ
		Methylcyclohexane	0.065 J*	mg/kg	0.065 J*
		Methylene chloride	0.29 U	mg/kg	0.29 UJ
		Styrene	0.29 U	mg/kg	0.29 UJ
		1,1,2,2-Tetrachloroethane	0.29 U	mg/kg	0.29 UJ
		Tetrachloroethene	32	mg/kg	32 J
		Toluene	0.29 U	mg/kg	0.29 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	0.29 U	mg/kg	0.29 UJ
		1,2,4-Trichlorobenzene	0.29 U	mg/kg	0.29 UJ
		1,1,1-Trichloroethane	0.29 U	mg/kg	0.29 UJ
		1,1,2-Trichloroethane	0.29 U	mg/kg	0.29 UJ
		Trichloroethene	0.42	mg/kg	0.42 J
		Trichlorofluoromethane	0.29 U	mg/kg	0.29 UJ
		Vinyl chloride	0.29 U	mg/kg	0.29 UJ
		Xylenes (total)	0.19 J*	mg/kg	0.19 J*
SB-43 (10-11')	PD09043-025	Acetone	1.2 U	mg/kg	1.2 UJ
		Benzene	0.30 U	mg/kg	0.30 UJ
		Bromodichloromethane	0.30 U	mg/kg	0.30 UJ
		Bromoform	0.30 U	mg/kg	0.30 UJ
		Bromomethane (Methyl bromide)	0.30 U	mg/kg	0.30 UJ
		2-Butanone (MEK)	0.30 U	mg/kg	0.30 UJ
		Carbon disulfide	0.30 U	mg/kg	0.30 UJ
		Carbon tetrachloride	0.30 U	mg/kg	0.30 UJ
		Chlorobenzene	0.30 U	mg/kg	0.30 UJ
		Chloroethane	0.30 U	mg/kg	0.30 UJ
		Chloroform	0.30 U	mg/kg	0.30 UJ
		Chloromethane (Methyl chloride)	0.30 U	mg/kg	0.30 UJ

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-43 (10-11') (continued)	PD09043-025	Cyclohexane	0.30 U	mg/kg	0.30 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.30 U	mg/kg	0.30 UJ
		Dibromochloromethane	0.30 U	mg/kg	0.30 UJ
		1,2-Dibromoethane (EDB)	0.30 U	mg/kg	0.30 UJ
		1,2-Dichlorobenzene	0.30 U	mg/kg	0.30 UJ
		1,3-Dichlorobenzene	0.30 U	mg/kg	0.30 UJ
		1,4-Dichlorobenzene	0.30 U	mg/kg	0.30 UJ
		Dichlorodifluoromethane	0.30 U	mg/kg	0.30 UJ
		1,1-Dichloroethane	0.30 U	mg/kg	0.30 UJ
		1,2-Dichloroethane	0.30 U	mg/kg	0.30 UJ
		1,1-Dichloroethene	0.30 U	mg/kg	0.30 UJ
		cis-1,2-Dichloroethene	0.21 J*	mg/kg	0.21 J*
		trans-1,2-Dichloroethene	0.30 U	mg/kg	0.30 UJ
		1,2-Dichloropropane	0.30 U	mg/kg	0.30 UJ
		cis-1,3-Dichloropropene	0.30 U	mg/kg	0.30 UJ
		trans-1,3-Dichloropropene	0.30 U	mg/kg	0.30 UJ
		Ethylbenzene	0.15 J*	mg/kg	0.15 J*
		2-Hexanone	0.60 U	mg/kg	0.60 UJ
		Isopropylbenzene	0.47	mg/kg	0.47 J
		Methyl acetate	0.30 U	mg/kg	0.30 UJ
		Methyl tertiary butyl ether (MTBE)	0.30 U	mg/kg	0.30 UJ
		4-Methyl-2-pentanone	0.60 U	mg/kg	0.60 UJ
		Methylcyclohexane	0.32	mg/kg	0.32 J
		Methylene chloride	0.30 U	mg/kg	0.30 UJ
		Styrene	0.30 U	mg/kg	0.30 UJ
		1,1,2,2-Tetrachloroethane	0.30 U	mg/kg	0.30 UJ
		Tetrachloroethene	71	mg/kg	71 J
		Toluene	0.30 U	mg/kg	0.30 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	0.30 U	mg/kg	0.30 UJ
		1,2,4-Trichlorobenzene	0.30 U	mg/kg	0.30 UJ
		1,1,1-Trichloroethane	0.30 U	mg/kg	0.30 UJ
		1,1,2-Trichloroethane	0.30 U	mg/kg	0.30 UJ
		Trichloroethene	0.86	mg/kg	0.86 J
		Trichlorofluoromethane	0.30 U	mg/kg	0.30 UJ
		Vinyl chloride	0.30 U	mg/kg	0.30 UJ
		Xylenes (total)	1.1	mg/kg	1.1 J
SB-42 (0-1')	PD09043-028	Acetone	1.2 U	mg/kg	1.2 UJ
		Benzene	0.29 U	mg/kg	0.29 UJ
		Bromodichloromethane	0.29 U	mg/kg	0.29 UJ
		Bromoform	0.29 U	mg/kg	0.29 UJ
		Bromomethane (Methyl bromide)	0.29 U	mg/kg	0.29 UJ
		2-Butanone (MEK)	0.59 U	mg/kg	0.59 UJ
		Carbon disulfide	0.29 U	mg/kg	0.29 UJ
		Carbon tetrachloride	0.29 U	mg/kg	0.29 UJ
		Chlorobenzene	0.29 U	mg/kg	0.29 UJ
		Chloroethane	0.29 U	mg/kg	0.29 UJ
		Chloroform	0.29 U	mg/kg	0.29 UJ
		Chloromethane (Methyl chloride)	0.29 U	mg/kg	0.29 UJ
		Cyclohexane	0.29 U	mg/kg	0.29 UJ
		1,2-Dibromo-3-chloropropane (DBCP)	0.29 U	mg/kg	0.29 UJ
		Dibromochloromethane	0.29 U	mg/kg	0.29 UJ
		1,2-Dibromoethane (EDB)	0.29 U	mg/kg	0.29 UJ
		1,2-Dichlorobenzene	0.29 U	mg/kg	0.29 UJ
		1,3-Dichlorobenzene	0.29 U	mg/kg	0.29 UJ
		1,4-Dichlorobenzene	0.29 U	mg/kg	0.29 UJ
		Dichlorodifluoromethane	0.29 U	mg/kg	0.29 UJ
		1,1-Dichloroethane	0.29 U	mg/kg	0.29 UJ
		1,2-Dichloroethane	0.29 U	mg/kg	0.29 UJ
		1,1-Dichloroethene	0.29 U	mg/kg	0.29 UJ
		cis-1,2-Dichloroethene	0.29 U	mg/kg	0.29 UJ
		trans-1,2-Dichloroethene	0.29 U	mg/kg	0.29 UJ
		1,2-Dichloropropane	0.29 U	mg/kg	0.29 UJ
		cis-1,3-Dichloropropene	0.29 U	mg/kg	0.29 UJ
		trans-1,3-Dichloropropene	0.29 U	mg/kg	0.29 UJ
		Ethylbenzene	0.29 U	mg/kg	0.29 UJ
		2-Hexanone	0.59 U	mg/kg	0.59 UJ
		Isopropylbenzene	0.29 U	mg/kg	0.29 UJ
		Methyl acetate	0.29 U	mg/kg	0.29 UJ

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-42 (0-1') (continued)	PD09043-028	Methyl tertiary butyl ether (MTBE)	0.29 U	mg/kg	0.29 UJ
		4-Methyl-2-pentanone	0.59 U	mg/kg	0.59 UJ
		Methylcyclohexane	0.29 U	mg/kg	0.29 UJ
		Methylene chloride	0.29 U	mg/kg	0.29 UJ
		Styrene	0.29 U	mg/kg	0.29 UJ
		1,1,2,2-Tetrachloroethane	0.29 U	mg/kg	0.29 UJ
		Tetrachloroethene	22	mg/kg	22 J
		Toluene	0.29 U	mg/kg	0.29 UJ
		1,1,2-Trichloro-1,2,2-Trifluoroethane	0.29 U	mg/kg	0.29 UJ
		1,2,4-Trichlorobenzene	0.29 U	mg/kg	0.29 UJ
		1,1,1-Trichloroethane	0.29 U	mg/kg	0.29 UJ
		1,1,2-Trichloroethane	0.29 U	mg/kg	0.29 UJ
		Trichloroethene	0.29 U	mg/kg	0.29 UJ
		Trichlorofluoromethane	0.29 U	mg/kg	0.29 UJ
		Vinyl chloride	0.29 U	mg/kg	0.29 UJ
		Xylenes (total)	0.29 U	mg/kg	0.29 UJ

J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit

Memo

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To:	James Flynn, Project Manager	**Info:**	**FINAL**
From:	Christine T. Gebel, Chemist Jennifer B. Garner, Chemist	**Date:**	July 3, 2014
RE:	QA/QC Data Summary Review Soil Sampling (May 2014) Itron – Greenwood, South Carolina		

The data quality review of 48 soil samples, 7 investigation derived waste samples (IDW), one equipment rinsate blank, and 4 trip blanks collected between May 10 and May 19, 2014 has been completed. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, polycyclic aromatic hydrocarbons (PAHs) by modified EPA Method 8270D, and/or total organic carbon (TOC) by the Walkley-Black method by Shealy Environmental Services, Inc. (SES) located in West Columbia, South Carolina. The IDW samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B using the toxicity characteristic leaching procedure (TCLP) by EPA Method 1311. Samples were analyzed for the chemical constituents as described in *Remedial Investigation Work Plan, Itron – Greenwood, South Carolina Facility*, dated November 2013.

The analyses were performed in general accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846).* The laboratory provided a summary report containing sample results and associated quality assurance and quality control (QA/QC) data. The following samples are associated with SES laboratory groups PE13052, PE16083, PE22008, and PE22009:

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
SB-19(0-1')	PE13052-001	PE13052	VOCs
SB-19(3-4')	PE13052-002	PE13052	VOCs
SB-19(18-19')	PE13052-003	PE13052	VOCs
SB-20(0-1')	PE13052-004	PE13052	VOCs
SB-20(10-11')	PE13052-005	PE13052	VOCs
SB-20(23-24')	PE13052-006	PE13052	VOCs
SB-21(0-1')	PE13052-007	PE13052	VOCs
SB-21(8-9')	PE13052-008	PE13052	VOCs
SB-21(27-28')	PE13052-009	PE13052	VOCs
DUP-7 (Duplicate of SB-21(27-28'))	PE13052-010	PE13052	VOCs
SB-57(0-1')	PE13052-011	PE13052	VOCs, PAHs
SB-57(4-5')	PE13052-012	PE13052	VOCs, PAHs
SB-57(9-10')	PE13052-013	PE13052	VOCs, PAHs
Trip Blank 5/10/14	PE13052-014	PE13052	VOCs
MW-17(0-1')	PE13052-015	PE13052	VOCs
MW-17(4-5')	PE13052-016	PE13052	VOCs
MW-17(23-24')	PE13052-017	PE13052	VOCs
Drums 3, 4 &5	PE13052-018	PE13052	TCLP VOCs
MW-18(4-5')	PE13052-019	PE13052	VOCs, TOC
MW-18(12-13')	PE13052-020	PE13052	VOCs

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
MW-18(38-39')	PE13052-021	PE13052	TOC
MW-12 (0-1')	PE13052-022	PE13052	VOCs
MW-12 (33-34')	PE13052-024	PE13052	VOCs
Trip Blank 5/12/14	PE13052-025	PE13052	VOCs
MW-5D (1-2')	PE16083-001	PE16083	VOCs
MW-5D (21-22')	PE16083-002	PE16083	VOCs
Drums 10&11	PE16083-003	PE16083	TCLP VOCs
MW-14 (13-14')	PE16083-004	PE16083	VOCs, TOC
MW-14 (20-21')	PE16083-005	PE16083	VOCs
MW-14 (44'-45')	PE16083-006	PE16083	TOC
MW-15(7-8')	PE16083-007	PE16083	VOCs, TOC
MW-15(16-17')	PE16083-008	PE16083	VOCs
DUP-8 (Duplicate of MW-15(16-17'))	PE16083-009	PE16083	VOCs
MW-15(23-24')	PE16083-010	PE16083	VOCs
MW-15 (31-32')	PE16083-011	PE16083	TOC
MW-9D (0-1')	PE16083-012	PE16083	VOCs
MW-9D (15-16')	PE16083-013	PE16083	VOCs, TOC
MW-9D (64-65')	PE16083-014	PE16083	TOC
Drums 23&24	PE16083-015	PE16083	TCLP VOCs
Drums 20, 21, 22, 25, 26, 27, 28	PE16083-016	PE16083	TCLP VOCs
MW-13(1-2')	PE16083-017	PE16083	VOCs
MW-13 (25-26')	PE16083-018	PE16083	VOCs, TOC
MW-13(36-37')	PE16083-019	PE16083	TOC
Drum 29	PE16083-020	PE16083	TCLP VOCs
MW-10D (7-8')	PE16083-021	PE16083	VOCs
MW-10D (22-23')	PE16083-022	PE16083	VOCs
Trip Blank 5-15-14	PE16083-023	PE16083	VOCs
Drum 19	PE16083-024	PE16083	TCLP VOCs
MW-16D (6-7')	PE22008-001	PE22008	VOCs
MW-16D (22-23')	PE22008-002	PE22008	VOCs
Drums 41, 42, 43, 44, & 45	PE22008-003	PE22008	TCLP VOCs
MW-16 (3-4')	PE22008-004	PE22008	VOCs
MW-16 (19-20')	PE22008-005	PE22008	VOCs
DUP-9 (Duplicate of MW-16(19-20'))	PE22008-006	PE22008	VOCs
Trip Blank 5/20/14	PE22008-008	PE22008	VOCs
SB-59 (2-3')	PE22009-001	PE22009	VOCs
SB-59 (3-4')	PE22009-002	PE22009	VOCs
SB-60 (3-4')	PE22009-003	PE22009	VOCs
SB-60 (4-5')	PE22009-004	PE22009	VOCs
Rinsate	PE22009-005	PE22009	VOCs

The following comments refer to SES's performance in meeting the quality control specifications described in the analytical methods. Data were qualified based on the method criteria and guidance provided in the EPA documents *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, June 2008 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, January 2010. Data qualifiers assigned to this sample set are included in Table 1. Data qualifiers that may be assigned to data from these laboratory groups include:

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. A '+' or '-' may be assigned to the 'J' flag to indicate high or low bias, respectively.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- DNR - Do Not Report. Multiple results reported from different analytical dates and/or dilutions. Value from another analysis should be used.

Sample Receipt

Upon receipt by SES, the sample jar information was compared to the associated chain-of-custody (COC) and the cooler temperatures were recorded. The coolers were received at temperatures within the EPA-recommended limits of greater than 0°C and less than or equal to 6°C.

The laboratory noted that one vial for MW-15(31-32') was received empty. There was adequate sample volume in the other vial for TOC analysis to proceed.

The container for sample Drums 39-40 collected on May 20, 2014 was broken at the laboratory. URS Corporation re-collected this sample on June 5, 2014.

Organic Analyses

Samples were analyzed for VOCs and/or PAHs by the methods identified in the introduction to this report.

1. Holding Times – Acceptable

2. Blanks – Acceptable except as noted below:

   <u>VOCs by Method 8260B</u> – Chloroform (0.0030 mg/L) was detected at a concentration less than the reporting limit and greater than the method detection limit (MDL) in the method blank for TCLP extracted on May 16, 2014. Chloroform was detected in sample Drums 3,4,&5 at a concentration less than the reporting limit but above the MDL; therefore, the result for chloroform in this sample was qualified as not detected and flagged 'U' at the reporting limit based on this method blank result.

   2-Butanone (3.0 ug/kg) was detected at a concentration less than the reporting limit and greater than the MDL in the method blank analyzed on May 25, 2014. 2-Butanone was not detected in the associated samples; therefore data were not qualified based on this method blank result.

   1,1,1-Trichlororethane (0.29 ug/L) was detected at a concentration less than the reporting limit and greater than the MDL in the trip blank associated with laboratory group PE13052. 1,1,1-Trichlororethane was not detected in the associated samples; therefore data were not qualified based on this trip blank result.

3. Surrogates – Acceptable except as noted below:

VOCs by Method 8260B – The percent recoveries for the following surrogates were outside the control limits:

Sample ID & Analysis Date Control Limits:	1,2-DCA-d4 53-142%	BFB 47-138%	Toluene-d8 68-124%
Method Blank 5/22/14	148%	142%	147%
Laboratory Control Sample 5/22/14	ok	ok	138%
Laboratory Control Sample Duplicate 5/22/14	ok	ok	136%

DCA - Dichloroethane BFB – Bromofluorobenzene ok – result acceptable

As these elevated recoveries were for QC samples, data were not qualified for these surrogate recoveries.

4. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD) – Acceptable except as noted below:

VOCs by Method 8260B – The relative percent differences (RPDs) for the following compounds in 2 LCS/LCSD pairs were outside the control limit as noted below:

LCS/LCSD Analysis Date	Analyte	RPD Control Limit 20%
May 25, 2014	Acetone	36%
May 28, 2014	2-Butanone	35%
	Methyl acetate	21%

As 2 out of the 3 quality control parameters were acceptable (LCS, LCSD, and/or RPD), data were not qualified for acetone, 2-butanone, or methyl acetate based on the elevated RPDs.

5. Matrix Spike/Matrix Spike Duplicates (MS/MSD) – Acceptable except as noted below:

VOCs by Method 8260B – MS and/or MSDs were performed on Drums 3,4,&5, Drum 19 (TCLP VOCs), MW-16(3-4'), Drums 41,42,43,44,&45 (TCLP VOCs), and SB-60(4-5'). Results were acceptable.

An MS/MSD was performed on MW-12(0-1'). The percent recoveries and/or RPDs for the following compounds were outside the control limits as noted below:

Analyte	MS Result	MSD Result	Control Limits	RPD Control Limit 30%
Acetone	58%	29%	60-140%	22%
1,1-Dichloroethane	ok	70%	71-127%	ok
Methyl tert butyl ether	ok	ok	70-130%	22%
Methylene Chloride	ok	68%	77-129%	ok
PCE	ok	ok	70-130%	25%
Trichlorofluoromethane	ok	ok	45-138%	25%

ok – result acceptable PCE - tetrachloroethene

As 2 out of the 3 quality control parameters were acceptable (MS, MSD, and/or RPD), data were not qualified for 1,1-dichloroethane, methyl tert butyl ether, methylene chloride, PCE, and/or trichlorofluoromethane based on the MSD results or elevated RPDs. The result for acetone in MW-12(0-1') was qualified as estimated and flagged 'J' based on these MS/MSD results.

An MS was performed on SB-20(0-1'). The percent recovery for PCE (460%) exceeded the control limits of 70-130%. The result for PCE in SB-20(0-1') was qualified as estimated and flagged 'J' based on the MS result.

An MS was performed on SB-19(0-1'). The percent recovery for PCE (7.9%) was below the control limits of 70-130%. The result for PCE in SB-19(0-1') was qualified as estimated and flagged 'J' based on the MS result.

An MS was performed on MW-14(13-14'). The percent recoveries for the following compounds were outside the control limits as noted below:

Analyte	MS Result	Control Limits
Bromodichloromethane	67%	69-121%
Dibromochloromethane	63%	66-119%
1,2-Dibromoethane	63%	74-124%
1,2-Dichloroethane	65%	67-129%
Methyl tert butyl ether	62%	70-130%
Methylene Chloride	67%	77-129%
1,1,2,2-Tetrachloroethane	66%	69-132%

ok – result acceptable

The results for bromodichloromethane, dibromochloromethane, 1,2-dibromoethane, 1,2-dichloroethane, methyl tert butyl ether, methylene chloride, and 1,1,2,2-tetrachloroethane in MW-14(13-14') were qualified as estimated and flagged 'UJ' based on the MS results.

An MS/MSD was performed on MW-10D(22-23'). The RPDs for all VOCs except PCE exceeded the control limit of 20% and ranged between 24% and 38%. The RPD for PCE was not calculable.
The percent recoveries for the following compounds were outside the control limits as noted below:

Analyte	MS Result	MSD Result	Control Limits
1,2-Dibromoethane	67%	ok	74-124%
1,2-Dichloropropane	70%	ok	72-124%
cis-1,3-Dichloropropane	65%	ok	70-126%
trans-1,3-Dichloropropane	66%	ok	70-124%
Methyl tert butyl ether	68%	ok	70-130%
Methylene Chloride	69%	ok	77-129%
1,1,2,2-Tetrachloroethane	68%	ok	69-132%
PCE	-1,450%	-1,450%	70-130%

ok – result acceptable

As the concentration for PCE in MW-10D(22-23') was more than four times (4x) the spike concentration, data were not qualified for PCE based on these MS/MSD results. The results for 1,2-dibromoethane, 1,2-dichloropropane, cis-1,3-dichloropropane, trans-1,3-dichloropropane, methyl tert butyl ether, methylene chloride, and 1,1,2,2-tetrachloroethane in MW-10D(22-23') were qualified as estimated and flagged 'J' based on the MS/MSD results. As 2 out of the 3 quality control parameters were acceptable (MS, MSD, and/or RPD), data were not qualified for all other VOCs based on the elevated RPDs.

PAHs by Method 8270D – An MS/MSD was performed on SB-57(9-10'). Results were acceptable.

6. Laboratory Duplicate – Acceptable except as noted below:

VOCs by Method 8260B – A laboratory duplicate was performed on SB-19(18-19'). The RPD for PCE (160%) exceeded the control limit of 20%. The result for PCE in SB-19(18-19') was qualified as estimated and flagged 'J' based on the elevated RPD.

A laboratory duplicate was performed on MW-5D(21-22'). The RPD for PCE (160%) exceeded the control limit of 20%. The result for PCE in MW-5D(21-22') was qualified as estimated and flagged 'J' based on this difference.

7. Field Duplicates – Acceptable except as noted below:

   VOCs by Method 8260B – Field duplicates were submitted for SB-21(27-28'), MW-15(16-17'), and MW-16(19-20'), and identified as DUP-7, DUP-8, and DUP-9, respectively. Results were comparable, except as noted below.

   The RPD for PCE (67%) was more than 50% for the parent sample/field duplicate pair SB-21(27-28')/DUP-7. The results for PCE in SB-21(27-28') and DUP-7 were qualified as estimated and flagged 'J' based on the elevated field duplicate RPDs.

6. Reporting Limits – Acceptable except as noted below:

   General – Analyte concentrations detected between the MDL and the reporting limit are reported by the laboratory with an 'J' flag. One or more results were flagged 'J' by the laboratory in several samples. Laboratory 'J'-flagged results are considered estimated results. As the result is between the method detection limit and the reporting limit, there is a greater level of uncertainty associated with the numerical result. Laboratory assigned J-flags were designated on the data tables with an asterisk (*).

   VOCs by Method 8260B – The reporting limits for one or more VOCs were elevated in the majority of the samples due to the moisture content and/or dilutions for high concentrations and/or matrix interference. The elevated reporting limits may affect the usability of the data.

   MW-12(33-34') was initially analyzed undiluted with the result for PCE over the calibration range. This sample was reanalyzed at 50x with the result for PCE significantly lower (100ug/kg). This sample was reanalyzed undiluted and again the result for PCE was over the calibration range; this is the result for PCE which the laboratory reported. The result for PCE in MW-12(33-34') was qualified as estimated and flagged 'EJ' based on the over-range result.

   PAHs by Method 8270D – The reporting limits for one or more PAHs were elevated in in the majority of the samples due to the moisture content and/or dilutions for high concentrations and/or matrix interference. The elevated reporting limits may affect the usability of the data.

7. Type of Review – Summary

Conventional Analysis

Samples were analyzed for TOC by the Walkley-Black method.

1. Holding Times – Acceptable

2. Blanks – Acceptable

3. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD) – Acceptable

4. Matrix Spike (MS)

   A MS was not performed in association with this analysis. Accuracy and precision were assessed using the LCS/LCSD results.

5. Laboratory Duplicate

   A laboratory duplicate was not performed in association with this analysis. Precision was assessed using the LCS/LCSD results.

6. Reporting Limits – Acceptable

Several TOC results were flagged 'J' by the laboratory. As noted above, laboratory 'J'-flagged results are considered estimated results.

The reporting limit for TOC was elevated for MW-18(4-5') due to matrix interference. The elevated reporting limit does not affect the use of the data for regulatory comparison.

7. Type of Review – Summary

Overall Assessment of Data

The data reported in these laboratory groups, as qualified, are considered to be usable for meeting project objectives. The completeness for laboratory groups PE13052, PE16083, PE22008, and PE22009 is 100%.

QA/QC Data Summary Review
Soil Sampling - May 2014
Itron - Greenwood S.C.

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
SB-19(0-1')	PE13052-001	PCE	0.22	mg/kg	0.22 J
SB-19(18-19')	PE13052-003	PCE	0.068	mg/kg	0.068 J
SB-20(0-1')	PE13052-004	PCE	0.12	mg/kg	0.12 J
SB-21(27-28')	PE13052-009	PCE	0.065	mg/kg	0.065 J
DUP-7	PE13052-010	PCE	0.13	mg/kg	0.13 J
Drums 3, 4 &5	PE13052-018	Chloroform	0.0030 J*	mg/L	0.050 U
MW-12 (0-1')	PE13052-022	Acetone	0.080	mg/kg	0.080 J
MW-12 (33-34')	PE13052-024	PCE	0.47 E	mg/kg	0.47 EJ
MW-5D (21-22')	PE16083-002	PCE	0.0066	mg/kg	0.0066 J
MW-14(13-14')	PE16083-004	Bromodichloromethane	0.0063 U	mg/kg	0.0063 UJ
		Dibromochloromethane	0.0063 U	mg/kg	0.0063 UJ
		1,2-Dibromoethane (EDB)	0.0063 U	mg/kg	0.0063 UJ
		1,2-Dichloroethane	0.0063 U	mg/kg	0.0063 UJ
		Methyl tertiary butyl ether (MTBE)	0.0063 U	mg/kg	0.0063 UJ
		Methylene Chloride	0.0063 U	mg/kg	0.0063 UJ
		1,1,2,2-Tetrachloroethane	0.0063 U	mg/kg	0.0063 UJ
MW-10D (22-23')	PE16083-022	1,2-Dibromoethane (EDB)	0.0066 U	mg/kg	0.0066 UJ
		1,2-Dichloropropane	0.0066 U	mg/kg	0.0066 UJ
		cis-1,3-Dichloropropene	0.0066 U	mg/kg	0.0066 UJ
		trans-1,3-Dichloropropene	0.0066 U	mg/kg	0.0066 UJ
		Methyl tertiary butyl ether (MTBE)	0.0066 U	mg/kg	0.0066 UJ
		Methylene chloride	0.0066 U	mg/kg	0.0066 UJ
		1,1,2,2-Tetrachloroethane	0.0066 U	mg/kg	0.0066 UJ

URS

Memo

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To:	James Flynn, Project Manager	**Info:**	**FINAL**
From:	Christine T. Gebel, Chemist Jennifer B. Garner, Chemist	**Date:**	July 3, 2014
RE:	QA/QC Data Summary Review Groundwater Sampling (May - June 2014) Itron – Greenwood, South Carolina		

The data quality review of 24 groundwater samples, 13 investigation derived waste samples (IDW), 2 equipment rinsate blanks, and 5 trip blanks collected between May 22 and June 6, 2014 has been completed. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, polycyclic aromatic hydrocarbons (PAHs) by modified EPA Method 8270D, 1,2-dibromo-3-chloropropane (DBCP) & 1,2-dibromoethane (EDB) by EPA Method 8011, and/or total organic carbon (TOC) by the Walkley-Black method by Shealy Environmental Services, Inc. (SES) located in West Columbia, South Carolina. The IDW samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B using the toxicity characteristic leaching procedure (TCLP) by EPA Method 1311. Samples were analyzed for the chemical constituents as described in *Remedial Investigation Work Plan, Itron – Greenwood, South Carolina Facility*, dated November 2013.

The analyses were performed in general accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846).* The laboratory provided a summary report containing sample results and associated quality assurance and quality control (QA/QC) data. The following samples are associated with SES laboratory groups PE23059 and PF06066:

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
Drums 6, 7, 8, 9	PE23059-001	PE23059	TCLP VOCs
Drums 12, 13, 14, 15, 16, 17 &18	PE23059-002	PE23059	TCLP VOCs
Drums 30 & 31	PE23059-003	PE23059	TCLP VOCs
Drums 32, 33, 34, 35, 36, 37, & 38	PE23059-004	PE23059	TCLP VOCs
Trip Blank 5/22/14	PE23059-005	PE23059	VOCs
Drum 48	PE23059-006	PE23059	TCLP VOCs
Drum 49	PE23059-007	PE23059	TCLP VOCs
Drum 50	PE23059-008	PE23059	TCLP VOCs
Drum 51	PE23059-009	PE23059	TCLP VOCs
Drum 52	PE23059-010	PE23059	TCLP VOCs
Drum 53	PE23059-011	PE23059	TCLP VOCs
Drum 54	PE23059-012	PE23059	TCLP VOCs
MW-1	PF06066-001	PF06066	VOCs, PAHs, DBCP, EDB
MW-2	PF06066-002	PF06066	VOCs, PAHs, DBCP, EDB
MW-3	PF06066-003	PF06066	VOCs, PAHs, DBCP, EDB
MW-4	PF06066-004	PF06066	VOCs, PAHs
MW-5	PF06066-005	PF06066	VOCs, PAHs
MW-6	PF06066-006	PF06066	VOCs, PAHs, DBCP, EDB
MW-7	PF06066-007	PF06066	VOCs
MW-8	PF06066-008	PF06066	VOCs

Sample ID	Laboratory ID	Laboratory Group	Requested Analyses
MW-9	PF06066-009	PF06066	VOCs
MW-11	PF06066-010	PF06066	VOCs
MW-12	PF06066-011	PF06066	VOCs, PAHs, DBCP, EDB
MW-13	PF06066-012	PF06066	VOCs
MW-14	PF06066-013	PF06066	VOCs
MW-15	PF06066-014	PF06066	VOCs
MW-16	PF06066-015	PF06066	VOCs
MW-17	PF06066-016	PF06066	VOCs, PAHs, DBCP, EDB
MW-18	PF06066-017	PF06066	VOCs, PAHs
MW-5D	PF06066-018	PF06066	VOCs, PAHs
MW-9D	PF06066-019	PF06066	VOCs
MW-10D	PF06066-020	PF06066	VOCs
MW-16D	PF06066-021	PF06066	VOCs
DUP 10 (MW-16D)	PF06066-022	PF06066	VOCs
DUP 11 (MW-17)	PF06066-023	PF06066	VOCs, PAHs, DBCP, EDB
EB-1 (equipment blank)	PF06066-024	PF06066	VOCs, PAHs, DBCP, EDB
EB-2 (equipment blank)	PF06066-025	PF06066	VOCs, DBCP, EDB
Drums 39-40	PF06066-026	PF06066	TCLP VOCs
TB-1 (trip blank)	PF06066-027	PF06066	VOCs
TB-2 (trip blank)	PF06066-028	PF06066	VOCs
MW-10	PF06066-029	PF06066	VOCs
TB-3 (trip blank)	PF06066-030	PF06066	VOCs
TB-4 (trip blank)	PF06066-031	PF06066	VOCs
Drum 55	PF06066-032	PF06066	TCLP VOCs

The following comments refer to SES's performance in meeting the quality control specifications described in the analytical methods. Data were qualified based on the method criteria and guidance provided in the EPA documents *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, June 2008 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, January 2010. Data qualifiers assigned to this sample set are included in Table 1. Data qualifiers that may be assigned to data from these laboratory groups include:

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. A '+' or '-' may be assigned to the 'J' flag to indicate high or low bias, respectively.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- DNR - Do Not Report. Multiple results reported from different analytical dates and/or dilutions. Value from another analysis should be used.

Sample Receipt

Upon receipt by SES, the sample jar information was compared to the associated chain-of-custody (COC) and the cooler temperatures were recorded. The coolers were received at temperatures within the EPA-recommended limits of greater than 0°C and less than or equal to 6°C.

Sample bottles for PAH analysis were received for EB-1 but this analysis was not requested on the COC. PAHs were analyzed for EB-1 at the direction of URS Corporation.

No sample bottles for PAH analysis were received for EB-2; therefore, PAHs were not analyzed.

Organic Analyses

Samples were analyzed for VOCs, PAHs and/or DBCP & EDB by the methods identified in the introduction to this report.

1. Holding Times – Acceptable

2. Blanks – Acceptable except as noted below:

   VOCs by Method 8260B – Tetrachloroethene (PCE, 1.7 ug/L) was detected at a concentration less than the reporting limit and greater than the MDL in EB-1. PCE was detected in MW-2, MW-3, MW-9, and MW-10D at concentrations less than the reporting limits but above the MDLs; therefore, the results for PCE in these samples were qualified as not detected and flagged 'U' at the reporting limits based on this equipment blank result.

   PAHs by Method 8270D – Naphthalene (0.033 ug/L) was detected at a concentration less than the reporting limit and greater than the MDL in the EB-1. Naphthalene was not detected in the associated samples; therefore, the results for naphthalene were not qualified in the associated samples based on this equipment blank result.

3. Surrogates – Acceptable except as noted below:

   PAHs by Method 8270D – The percent recoveries for fluoranthene-d10 (189%) and 2-methylnapthalene-d10 (250%) in MW-3 exceeded the control limits of 23-154% and 15-139%, respectively. Due to the dilution required to quantitate cis-1,2-dichloroethene, the surrogates were diluted out in MW-3; therefore, data were not qualified based on the elevated surrogate recoveries.

   DBCP & EDB by Method 8011 – The percent recoveries for 1,1,2,2-tetrachloroethane in MW-6 (443%) and MW-12 (716%) exceeded the control limits of 57-137%. DBCP & EDB were not detected in MW-6 and MW-12; therefore, data were not qualified based on the surrogate recoveries.

4. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD) – Acceptable except as noted below:

   VOCs by Method 8260B – The relative percent difference (RPD, 29%) for acetone for the LCS/LCSD analyzed on May 29, 2014 exceeded the control limit of 20%. As 2 out of the 3 quality control parameters were acceptable (LCS, LCSD, and/or RPD), data were not qualified for acetone based on the elevated RPD.

   PAHs by Method 8270D – The percent recovery for acenaphthylene in the LCS (101%) extracted on June 9, 2014 exceeded the control limits of 33-93%. Acenaphthylene was not detected in the samples associated with this LCS; therefore, data were not qualified for acenaphthylene based on this LCS result.

5. Matrix Spike/Matrix Spike Duplicates (MS/MSD) – Acceptable except as noted below:

   VOCs by Method 8260B – MS/MSDs were performed on MW-12 and MW-9. An MS was performed on DUP-11. Results were acceptable.

An MS/MSD was performed on Drum 54. The percent recoveries for trichloroethene (TCE) in the MS (170%) and MSD (167%) exceeded the control limits of 73-124%. TCE was not detected in Drum 54; therefore, data were not qualified for TCE based on the elevated MS/MSD results.

PAHs by Method 8270D – An MS/MSD was performed on MW-2. The percent recoveries for the following compounds were outside the control limits as noted below:

Analyte	MS	MSD	Control Limits
Acenaphthylene	99%	ok	33-93%
Naphthalene	ok	153%	21-148%
Phenanthrene	141%	ok	29-136%

ok – result acceptable

In addition, the RPD for anthracene (46%) exceeded the control limit of 20%. As 2 out of the 3 quality control parameters were acceptable (MS, MSD, and/or RPD), data were not qualified for acenaphthylene, naphthalene, phenanthrene, and anthracene based on the MS/MSD results.

6. Laboratory Duplicate – Acceptable

VOCs by Method 8260B – A laboratory duplicate was performed on MW-9D. Results were comparable.

7. Field Duplicates – Acceptable

VOCs by Method 8260B – Field duplicates were submitted for MW-16D and MW-17 and identified as DUP-10 and DUP-11, respectively. Results were comparable.

PAHs by Method 8270D and DBCP & EDB by Method 8011 – A field duplicate was submitted for MW-17 and identified as DUP-11. Results were comparable.

6. Reporting Limits – Acceptable except as noted below:

General – Analyte concentrations detected between the MDL and the reporting limit are reported by the laboratory with an 'J' flag. One or more results were flagged 'J' by the laboratory in several samples. Laboratory 'J'-flagged results are considered estimated results. As the result is between the method detection limit and the reporting limit, there is a greater level of uncertainty associated with the numerical result. Laboratory assigned J-flags were designated on the data tables with an asterisk (*).

VOCs by Method 8260B – The reporting limits for one or more VOCs were elevated in the majority of the samples due to the moisture content and/or dilutions for high concentrations and/or matrix interference. The elevated reporting limits may affect the usability of the data.

Samples were analyzed for DBCP and EDB by both EPA Method 8260B and EPA Method 8011 in order to meet the data quality objectives of the project. As the reporting limits for these analytes reported by EPA Method 8011 were lower than those reported by EPA Method 8260B, the sample results for DBCP and EDB by EPA Method 8260B were qualified with the flag 'DNR' for Do Not Report.

PAHs by Method 8270D – The reporting limits for one or more PAHs were elevated in in the majority of the samples due to the moisture content and/or dilutions for high concentrations and/or matrix interference. The elevated reporting limits may affect the usability of the data.

7. Type of Review – Summary

Overall Assessment of Data

The data reported in these laboratory groups, as qualified, are considered to be usable for meeting project objectives. The completeness for laboratory groups PE23059 and PF06066 is 100%.

QA/QC Data Summary Review
GW Sampling - June 2014
Itron - Greenwood S.C.

Table 1 - Summary of Data Validation Assigned Qualifiers

Sample ID	Laboratory ID	Analyte	Result	Units	Final Result
MW-1	PF06066-001	1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	5.0 U	ug/L	DNR
MW-2	PF06066-002	PCE	0.86 J*	ug/L	5.0 U
		1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	5.0 U	ug/L	DNR
MW-3	PF06066-003	PCE	21 J*	ug/L	25 U
		1,2-Dibromo-3-chloropropane (DBCP)	25 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	25 U	ug/L	DNR
MW-6	PF06066-006	1,2-Dibromo-3-chloropropane (DBCP)	1,000 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	1,000 U	ug/L	DNR
MW-9	PF06066-009	PCE	1.4 J*	ug/L	5.0 U
MW-10D	PF06066-020	PCE	1.8 J*	ug/L	5.0 U
MW-12	PF06066-011	1,2-Dibromo-3-chloropropane (DBCP)	250 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	250 U	ug/L	DNR
MW-17	PF06066-016	1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	5.0 U	ug/L	DNR
DUP-11	PF06066-023	1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	ug/L	DNR
		1,2-Dibromoethane (EDB)	5.0 U	ug/L	DNR

Appendix D: Monitoring Well Logs and SCDHEC Water Well Records

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-1

Sheet 1 of 1

Date(s) Drilled	**3/13/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Direct Push**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**31.5 feet bgs**
Drill Rig Type	**GeoProbe 7822**	Drill Bit Size/Type	**3.25"**	Ground Surface Elevation	**558.15**
Groundwater Level	**26.06 feet bgs**	Sampling Method	**Macrocore**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 869224.644 Easting 1667988.237**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0							Asphalt		2" diameter schedule 40 flush-threaded PVC
				100	0.7		ML	Crushed limestone with mostly fine and some medium sand, little coarse sand and fine gravel, BASE COURSE		
								Dark yellowish orange SILT, little fine sand, little mica, layers of fine sand and mica, non-plastic (dry) SAPROLITE (no odor)		
	5			90						Portland type 1 cement grout
550							SM ML	Black silty fine SAND, yellowish-gray fine sand inclusions (dry) SAPROLITE (no odor)		
	10							Light to very light gray SILT with dark yellowish orange inclusions (dry) SAPROLITE (no odor)		
				85	0.8		SM	White silty fine to coarse SAND, homogeneous, angular to subangular (dry) SAPROLITE (no odor)		
	15						ML	Light to very light gray SILT with dark yellowish orange inclusions, few to little mica (dry) SAPROLITE (no odor)		
				85						Enviroplug, medium, 3/8" bentonite chips
540		MW-1 (20')			0.5					Sand
	20									DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
				80			SM	White silty fine to coarse SAND, homogeneous, angular to subangular (dry) SAPROLITE (no odor)		
							ML	Light to very light gray SILT with white fine to medium sand, dark yellowish orange inclusions, few to little mica (dry) SAPROLITE (no odor)		
	25							26.06 ft ▼		
							SM	White silty medium to coarse SAND, homogeneous, angular to subangular (moist) SAPROLITE (no odor)		
530				85	0.6		ML	Light to very light gray SILT with trace coarse to medium sand, dark yellowish orange inclusions, few to little mica (wet) SAPROLITE (no odor)		
	30							Boring completed to 31.5' bgs.		
	35									
520										
	40									
	45									

ENV2 WITH WELL J:\PROJECTS\GRFX\ONEWORLD\33763353 ITRON GREENWOOD\33763353 ADDITIONAL LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 8/4/14

URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-2

Sheet 1 of 1

Date(s) Drilled	**3/13/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Direct Push**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**34.8 feet bgs**
Drill Rig Type	**GeoProbe 7822**	Drill Bit Size/Type	**3.25"**	Ground Surface Elevation	**562.62**
Groundwater Level	**32.62 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 869207.038 Easting 1668204.679**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
560	0								Asphalt		2" diameter schedule 40 flush-threaded PVC
					95			ML	Crushed limestone with mostly fine and some medium sand, little coarse sand and fine gravel, BASE COURSE		
	5								Dark yellowish orange SILT, little fine sand, little mica, layers of fine sand and mica, non-plastic (dry) SAPROLITE (no odor)		Portland type 1 cement grout
					100			SM ML	Black silty fine SAND, some yellowish-gray fine sand inclusions (dry) SAPROLITE (no odor)		
	10								Light to very light gray SILT with dark yellowish orange inclusions and black lignite layers (dry) SAPROLITE (no odor)		
550					85			SM ML	White silty fine to coarse SAND, homogeneous, angular to subangular (dry) SAPROLITE (no odor)		
	15				90				Light to very light gray SILT with dark yellowish orange inclusions, few to little mica (dry) SAPROLITE (no odor)		
	20				90						Enviroplug, medium, 3/8" bentonite chips
540					95			SM ML	White silty fine to coarse SAND, homogeneous, angular to subangular (dry) SAPROLITE (no odor)		Sand
	25								Light to very light gray SILT with white fine to medium sand, dark yellowish orange inclusions, few to little mica (dry) SAPROLITE (no odor)		DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
								SM ML	White silty medium to coarse SAND, homogeneous, angular to subangular (moist) SAPROLITE (no odor)		
					95				Light to very light gray SILT with trace coarse to medium sand, dark yellowish orange inclusions, few to little mica (wet) SAPROLITE (no odor)		
	30										
530									32.62 ft ▼		
	35								Boring completed to 34.8' bgs.		
	40										
520											
	45										

ENV2 WITH WELL J:\PROJECTS\GRFX\ONEWORLD\33763353 ITRON GREENWOOD\33763353 ADDITIONAL LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 8/4/14

URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-3

Sheet 1 of 2

Date(s) Drilled	**4/10/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**47 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**562.15**
Groundwater Level	**34.23 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 869104.002 Easting 1668261.237**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
560	0				100	16.9		SM	Grassy surface		2" diameter schedule 40 flush-threaded PVC
								ML	Dusky brown silty fine SAND, few mica and roots (moist)		
									Dark reddish brown SILT, little fine sand, little mica, mostly plastic (medium stiff) (dry to moist) SAPROLITE (strong odor)		
	5										Portland type 1 cement grout
	10				100			SM	Light brown to pale orange silty fine SAND with pinkish orange inclusions, little mica (loose) (dry) SAPROLITE (strong odor)		
550								ML	Light brown, pale olive and pale orange mottling SILT, some fine sand, mostly low plasticity, blocky, massive (medium stiff) (dry) SAPROLITE (strong odor)		
	15					21.3					
	20										
540					95			SM	White silty SAND seam (dry)		
	25					24.2		ML	Light brown, pale olive and pale orange mottling SILT, some fine sand, mostly low plasticity, blocky, massive (medium stiff) (dry) SAPROLITE (strong odor)		
									Grading light brown, pale olive and white mottling (moist to wet)		
	30				95						
530											
	35									34.23 ft ▼	Enviroplug, medium, 3/8" bentonite chips
											Sand
									Grading dark greenish gray, white and light brown mottling (moist to more wet)		DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
	40										
520					100						
	45										

ENV2 WITH WELL J:\PROJECTS\GRFX\ONEWORLD\33763353 ITRON GREENWOOD\33763353 ADDITIONAL LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 8/4/14

URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-3

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
	45									
								Bedrock encountered. Boring completed to 47' bgs.		
	50									
510										
	55									
	60									
500										
	65									
	70									
490										
	75									
	80									
480										
	85									
	90									
470										
	95									

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-4

Sheet 1 of 2

Date(s) Drilled	**4/11/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**47 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**555.46**
Groundwater Level	**28.93 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868958.364 Easting 1668477.977**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0				0.2		ML	Light brown SILT, little fine sand, few roots and mica, mostly low plasticity, massive (moist) FILL (no odor)		2" diameter schedule 40 flush-threaded PVC
				100						
550	5									Portland type 1 cement grout
							OL	Dark gray to black ORGANIC SOIL, mostly leaves and detritus, little fine sand, few silt (moist) FILL (no odor)		
	10				2.5					
				75			MH	Dark brown, mostly dusky brown SILT with black mottling, little fine sand, roots, moderately plastic, (moist) FILL (no odor)		
540	15						SM	White silty fine SAND, some silt, trace lean clay, homogeneous (dry) SAPROLITE (no odor)		
	20				3.6					
				80			SP/SM	White poorly graded SAND with silt with highly weathered quartz crystals in sand matrix (moist) SAPROLITE (no odor)		
	25						MH	Light brown with white and dark greenish gray mottling SILT, some fine sand, little mica, few clay, mostly highly plastic (medium stiff) (moist) SAPROLITE (no odor)		
530								28.93 ft ▼		
	30				3.5			Coarsening downward, little medium sand		
				95						Enviroplug, medium, 3/8" bentonite chips
520	35									Sand
					4.7					DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
	40							Grading back to light brown SILT, little fine sand, few medium sand, little golden mica flakes, few lean clay, mostly medium plastic		
	45									

URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-4

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
510	45			100				Boring completed to 47' bgs.		
	50									
500	55									
	60									
490	65									
	70									
480	75									
	80									
470	85									
	90									
460	95									

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-5

Sheet 1 of 2

Date(s) Drilled	**4/11/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**47.9 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**549.36**
Groundwater Level	**27.11 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868892.212 Easting 1668553.549**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0				0.0		ML	Heavily wooded area, cleared using skidsteer (Bobcat T250)		2" diameter schedule 40 flush-threaded PVC
				85				Light brown SILT, little fine sand and mica, mostly low plasticity, massive (medium stiff) (moist to dry) SAPROLITE (no odor)		
	5									Portland type 1 cement grout
540					2.1					
	10			100			SM	Light brown grading to light greenish gray, silty fine SAND, little mica, few clay, massive, blocky (loose) (dry) SAPROLITE (no odor)		
	15									
530					2.9					
	20						ML	Light brown SILT, some fine sand, little mica, few clay, massive (dry) SAPROLITE (no odor)		
	25						SP/SM	Light brown with white banding poorly graded fine to coarse SAND with silt, trace fine subangular gravel and clay (stiff) (moist) SAPROLITE (no odor)		
				100				27.11 ft ▼		
					6.4		MH	Light brown with pale olive and light greenish gray and white mottling SILT, few fine sand, little golden mica flakes, massive, mostly highly plastic silt (medium stiff) (moist) SAPROLITE (no odor)		
520	30									
	35				6.9					Enviroplug, medium, 3/8" bentonite chips
										Sand
							SP/SM	White to light brown poorly graded fine to coarse SAND with silt, trace gravel (dense) (moist) SAPROLITE (no odor)		DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
510	40			100						
							MH	Light brown with pale olive and light greenish gray and white mottling SILT, few fine sand, little mica, massive, mostly highly plastic silt (medium stiff) (moist) SAPROLITE (no odor)		
	45									

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Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-5

Sheet 2 of 2

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
	45			100						
								Boring completed to 47' bgs.		
500	50									
	55									
490	60									
	65									
480	70									
	75									
470	80									
	85									
460	90									
	95									

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URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-6

Sheet 1 of 1

Date(s) Drilled	**3/22/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Direct Push**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**38 feet bgs**
Drill Rig Type	**GeoProbe 7822**	Drill Bit Size/Type	**3.25"**	Ground Surface Elevation	**559.71**
Groundwater Level	**28.52 feet bgs**	Sampling Method	**Macrocore**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868936.457 Easting 1668319.405**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0				4.3		ML	Grassy surface Dark yellowish orange to moderate reddish brown SILT with some fine sand with occasional white sand inclusion, little medium sand, few clay (stiff) SAPROLITE (no odor)		2" diameter schedule 40 flush-threaded PVC
				100	13.6					
	5				2.6			Grading to yellowish gray, fine, softer, little mica, crumbles easily in hand, light orangish pink inclusions, little fine sand (dry) SAPROLITE		Portland type 1 cement grout
				100	5.9					
550	10				24.5					
					20.7		SP	White with yellowish gray banding fine to medium SAND, some medium sand, little silt and mica, poorly graded (loose) (dry) SAPROLITE (no odor)		
				95	5.3					
	15				25.4		ML	Moderate greenish olive with white and dark yellowish orange fine sandy inclusions SILT with little fine sand, little mica, few clay (dry) SAPROLITE (no odor)		
					19.4					
		MW-6 (20')			48.7		SM	Yellowish gray and white with dark yellowish orange banding silty fine SAND, little mica, trace medium sand (loose) (dry) SAPROLITE (no odor)		
540	20			90	8.4		ML	Greenish olive SILT (soft) (dry) SAPROLITE (no odor)		
					40.4		SM	Yellowish gray and white with dark yellowish orange banding silty fine SAND, little mica, trace medium sand (loose) (dry) SAPROLITE (no odor)		
				85	42.6		ML	Greenish olive SILT, few to little lean clay, moderately plastic (soft) (dry) SAPROLITE (no odor)		
	25				35.1		SM	Yellowish gray and white with dark yellowish orange banding silty fine SAND, little mica, trace medium sand (loose) (dry becoming moist) SAPROLITE (no odor)		
				90				28.52 ft ▼		
		MW-6 (30')			52.4		ML	Olive green SILT, few to little clay, moderately plastic (soft) (moist) SAPROLITE (no odor)		Enviroplug, medium, 3/8" bentonite chips
530	30				26.1					Sand
				100						DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
	35									
				100						
520	40							Boring completed to 38' bgs.		
	45									

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URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-7

Sheet 1 of 1

Date(s) Drilled	**4/12/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**37 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**560.62**
Groundwater Level	**28.96 feet bgs**	Sampling Method	**Macrocore**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868894.361 Easting 1668279.797**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
560	0					136.5		ML	Grassy surface, topsoil		2" diameter schedule 40 flush-threaded PVC
			MW-7 (2')		100				Dark reddish orange with light brown mottling SILT, few fine sand, trace lean clay, massive, mostly low plasticity (medium stiff) (dry to moist) SAPROLITE (moderate odor)		
						130.4					
	5					170.7					Portland type 1 cement grout
					100	180.6					
						128.5					
550	10				100	239.7		ML	Grading to some fine sand and mica, with silty clay seams with greasy texture, non plastic, blocky SAPROLITE (moderate odor)		
			MW-7 (14')			393.4					
	15					284.1					
						292.7		SP/SM	Very light gray to white with light brown and black horizontal partings, poorly graded SAND with silt (loose) (dry to moist)		
								ML	SAPROLITE (strong odor)		
			MW-7 (20')			649.2			Dark reddish orange with light brown mottling SILT, some fine sand and mica, with silty clay seams with greasy texture, massive, non plasticity blocky (medium stiff) (dry to moist)		
	20				100				SAPROLITE (strong odor)		
540						606.7		SM	White silty SAND seam (dry to moist) SAPROLITE (strong odor)		
								MH			
						684.5			Dark reddish orange with light brown mottling SILT, some fine sand and mica, with silty clay seams with greasy texture, massive, higher plasticity blocky (medium stiff) (dry to moist) SAPROLITE (strong odor)		Enviroplug, medium, 3/8" bentonite chips
	25				100	684.9					Sand
			MW-7 (28')			911.4					DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
					100	775.0			28.96 ft ▼		
530	30					725.2					
									Grading to light greenish gray with light brown, pale olive, white and very light gray mottling (moist to wet)		
					100						
	35										
									Boring completed to 37' bgs.		
520	40										
	45										

URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-8

Date(s) Drilled	**4/10/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**57 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**557.55**
Groundwater Level	**30.37 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868870.317 Easting 16684410.386**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
550	0			100			SW	Grassy surface Dusky brown silty fine SAND, few roots and mica (loose) (moist) (no odor)		2" diameter schedule 40 flush-threaded PVC
							ML	Dark reddish brown SILT, little fine sand and clay, little mica, moderate plasticity silt, massive (medium stiff) (moist to dry) SAPROITE (no odor)		
	5									Portland type 1 cement grout
	10			100						
	15						SM	Light brown, pale olive with orangish pink banding silty fine SAND, some silt, little mica, trace clay, fining downward (loose) (dry) SAPROLITE (no odor)		
540							ML	Pale olive to light greenish gray SILT, some fine sand, little mica, trace clay, mostly low plasticity, blocky texture to massive (dry) SAPROLITE (no odor)		
	20			100						
	25									
530							CH	Dark greenish gray, sandy fat CLAY, few fine sand partings with mica, mostly highly plastic inorganic clay, breaks along sand partings, massive (hard) (dry) SAPROLITE (no odor)		
	30			95			ML	Dark greenish gray SILT, with fine to coarse white quartz inclusions and light brown fine sand lenses, little fine to coarse sand, little gold saprolitic mica flakes, mostly low plasticity silt (medium stiff) (dry) SAPROLITE (no odor)		30.37 ft ▼
							CH	Dark greenish gray, sandy fat CLAY, few fine sand partings with mica, mostly highly plastic inorganic clay, breaks along sand partings, massive (hard) (dry) SAPROLITE (no odor)		
	35									
520							SP ML	White to pale orange poorly graded fine to coarse SAND, little medium sand, few coarse sand, trace fine gravel, lithified pieces of sandstone (dense) (dry) SAPROLITE (no odor)		
	40							Dark greenish gray SILT, with fine to coarse white quartz inclusions and light brown fine sand lenses, little fine to coarse sand, little gold saprolitic mica flakes, mostly low plasticity silt (medium stiff) (dry to moist) SAPROLITE (no odor)		
	45									Enviroplug, medium, 3/8" bentonite chips

URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-8

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
	45									Sand
510				100				Grading to dusky brown with little fine sand, little gold mica with horizontal bedding (wet) (no odor)		DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
	50									
							CH	Dark greenish gray, sandy fat CLAY, few fine sand partings with mica, mostly highly plastic inorganic clay, breaks along sand partings, massive, blocky texture (hard) (dry) SAPROLITE (no odor)		
	55			100						
500								Boring completed to 57' bgs		
	60									
	65									
490										
	70									
	75									
480										
	80									
	85									
470										
	90									
	95									

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URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-9

Date(s) Drilled	**4/9/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**52 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**553.90**
Groundwater Level	**39.10 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868681.764 Easting 1668650.676**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0							SM	Grassy surface		2" diameter schedule 40 flush-threaded PVC
					100	0.0		ML	Dark brown silty fine SAND, few mica and roots (loose) (moist) (no odor)		
550						0.0			Dark reddish orange SILT, little fine sand, few mica, mostly low plasticity silt fining downward becoming higher plasticity, massive (hard) (moist to dry) SAPROLITE (no odor)		
	5					0.0					Portland type 1 cement grout
						0.0					
						0.0					
	10					0.0					
						0.0					
540						0.0					
	15					0.0			Same as above		
						0.0		CH	Light brown fat sandy CLAY, little fine sand partings - horizontal, mostly highly plastic inorganic clay, massive (hard) (dry) SAPROLITE (no odor)		
					100	0.0					
	20					0.0					
						0.0					
530						0.0					
	25					0.0		ML	Light brown with orange pink mottling SILT with little fine sand, few mica, mostly non-plastic silt, massive (medium stiff) (dry to moist) SAPROLITE (no odor)		
						0.5					
	30				95	0.0		CH	Light brownish gray with orange pink mottling fat sandy CLAY, few fine sand, few silt and mica, mostly highly plastic inorganic clay, massive (stiff) (dry to moist) SAPROLITE (no odor)		
520											
	35								Coarsening downward		
								ML	Light brown with orange pink mottling SILT with little fine sand, few mica, mostly non-plastic silt, massive (medium stiff) (dry) SAPROLITE (no odor) (becoming wet)		
									39.10 ft ▼		Enviroplug, medium, 3/8" bentonite chips
	40				100						Sand
											DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
510											
	45							SP/SM	Dark yellowish orange with white horizontal banding and orange		

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-9

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
	45			100				pink mottling, poorly graded fine to medium SAND with silt, little medium sand, little silt and mica (loose) (wet) SAPROLITE (no odor) Coarsening downward		
	50							Boring completed to 52' bgs.		
500	55									
	60									
490	65									
	70									
480	75									
	80									
470	85									
	90									
460	95									

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-10

Sheet 1 of 1

Date(s) Drilled	**3/13/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Direct Push**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**35.1 feet bgs**
Drill Rig Type	**GeoProbe 7822**	Drill Bit Size/Type	**3.25"**	Ground Surface Elevation	**551.42**
Groundwater Level	**27.56 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868593.655 Easting 1668484.530**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
550	0				100	3.5		SM CH	Grassy surface Silty SAND with roots Moderate brown becoming dark yellowish orange with dark moderate red mottling, sandy fat inorganic CLAY, highly plastic, massive (stiff) (moist) SAPROLITE (no odor)		1" diameter schedule 40 flush-threaded PVC
	5										Portland type 1 cement grout
					95			SM ML CH	Dark yellowish orange, light pinkish red, white, silty fine to medium SAND (loose) (dry) SAPROLITE (no odor) Light brown SILT with few fine sand, non-plastic (moist to dry) Fining downward SAPROLITE (no odor) Dark reddish brown with dark brown mottling, sandy fat CLAY, few fine sand, mostly plastic, inorganic, massive (stiff) SAPROLITE (no odor)		
540	10				90	4.2					
	15				90			SM CH	Dark yellowish orange, light pinkish red, white, silty fine to medium SAND with some silt, few medium sand, non-plastic (loose) (dry) SAPROLITE (no odor) Dark reddish brown with dark brown mottling, sandy fat CLAY, few fine sand, mostly plastic, inorganic, massive (stiff) (dry) SAPROLITE (no odor)		
	20							ML CH	Light brown SILT with some fine sand, little lean clay (dry) SAPROLITE (no odor)		
530					100	3.8		ML	Dark reddish brown with dark brown mottling, sandy fat CLAY, few fine sand, mostly plastic, inorganic, massive (stiff) (dry) SAPROLITE (no odor)		
	25							CH	Light brown SILT with some fine sand, little lean clay (moist) SAPROLITE (no odor)		
					100			SP/SM	Dark reddish brown with dark brown mottling, sandy fat CLAY, few fine sand, mostly plastic, inorganic, massive (stiff) (moist) SAPROLITE (no odor) 27.56 ft ▼		Enviroplug, medium, 3/8" bentonite chips
						4.1			Light brown poorly graded fine to medium SAND and SILT, seams at 60°, few lean clay (moist) SAPROLITE (no odor) (becoming wet)		Sand
520	30				100						DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
	35								Boring completed to 35.1' bgs.		
510	40										
	45										

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URS

Project: Itron, Inc., Additional Phase II Assessment
Project Location: Greenwood, South Carolina
Project Number: 33763353

Log of Boring MW-11

Sheet 1 of 1

Date(s) Drilled	**4/9/12**	Logged By	**R. Paulling**	Checked By	**A. Council**
Drilling Method	**Sonic**	Drilling Contractor	**SAEDACCO**	Total Depth of Borehole	**40 feet bgs**
Drill Rig Type	**Sonic Drill Rig**	Drill Bit Size/Type	**6"**	Ground Surface Elevation	**560.45**
Groundwater Level	**28.23 feet bgs**	Sampling Method	**NA**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Northing 868712.965 Easting 1668117.285**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
560	0							SM	Grassy surface		2" diameter schedule 40 flush-threaded PVC
					100			ML	Dark musky brown silty fine SAND, some silt, few roots and mica (loose) (moist) (no odor)		
									Dark reddish brown SILT, little fine sand, few mica, mostly low plasticity silt, massive (medium stiff) (dry) SAPROLITE (no odor)		
	5				95						Portland type 1 cement grout
550	10							SM	Light olive to light greenish gray with dark reddish brown mottling silty fine SAND, little mica, blocky horizontal bedding planes (loose) (dry) SAPROLITE (no odor)		
					100						
	15				100				Grading to white sand lenses 1/8" to 1" thick		
540	20							CH	Pale olive with white banding and dark greenish gray inclusions, fat sandy CLAY with little mica, mostly medium plastic inorganic clay (stiff) (moist) SAPROLITE (no odor)		
					100			SM	Light olive to light greenish gray with dark reddish brown mottling silty fine SAND, mica, blocky horizontal bedding planes (loose) (dry) SAPROLITE (no odor)		
	25				100						Enviroplug, medium, 3/8" bentonite chips
										28.23 ft ▼	Sand
530	30								Grading to nearly vertical white sand laminae		DSI Well Gravel Pack WP#2 Screen slot size #10 (0.01 inches)
					100				(becoming wet)		
	35				95				Grading to more vertical white fine sand laminae with dark reddish brown inclusions		
520	40								Boring completed to 40' bgs.		
	45										

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-12

Date(s) Drilled	**5/12/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**70 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**4" OD Core Barrel**	Ground Surface Elevation	**NM**
Groundwater Level	**53.5 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Heavily wooded area, east-northeast of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0		MW-12 (0'-1')			106.7		ML	(Grassy/wooded surface) moderate reddish brown fine sandy SILT, little mica, few roots, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
			MW-12 (2'-3')			66.2					
						59.3					
						3.6					PP = 1.5 TSF
	5				95	0.0					
						0.0					
						0.0					
						0.0					
						0.0					
	10					0.0					PP = 2.0 TSF
						0.0			Grayish olive fine sandy SILT, little mica, dark yellowish orange banding (moist) (soft) (low plasticity) SAPROLITE (no odor)		
						0.0					
						0.0					PP = 0.25 TSF
	15				90	0.0					
						0.0					
						0.0			Coarsening downward		
						0.0					
	20					0.0					
						0.0		SM	Pale yellowish brown silty fine to medium SAND, little mica (dry) (very loose) SAPROLITE (no odor)		
						0.0					
						0.0					
	25				100	0.0					
						0.0			Grading to medium-orange pink		
						0.0					
						0.0					
						0.0		ML	Light olive gray SILT seam		
	30					0.0		SM	White fine to medium SAND lense		
						0.0			White to yellowish gray silty fine SAND, some mica, moderate olive brown banding (dry) (loose) SAPROLITE (no odor)		
						0.0					

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Elevation, feet	Downhole Depth, feet	SAMPLES: Type / Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
		MW-12 (33'-34')			12.8				
					15.0			Fining downward	
					7.6		ML	Grayish olive fine sandy SILT, little mica, dark yellowish orange and white banding (dry) (soft) (low plasticity) SAPROLITE (no odor)	
	35			100	0.0				PP = 0.75 TSF
					0.0				
					0.0		SM	Light olive gray to yellowish gray silty SAND, some mica, white sand seams (dry) (very loose) SAPROLITE (no odor)	
					0.0				
					0.0				
	40				0.0				
					0.0				
					0.0				
					0.0				
					0.0		ML	Grayish olive fine sandy SILT, little mica, dark yellowish orange and white banding (dry) (medium stiff) (low plasticity) SAPROLITE (no odor)	PP = 3.25 TSF
	45			100	0.0				
					0.0			Coarsening downward	
					0.0		SM	Light olive gray fine silty SAND, little mica (dry) (loose) SAPROLITE (no odor)	
					0.0				
					0.0				
	50				0.0				
					0.0				
					0.0			53.5 ft ▼	
					0.0		ML	Olive gray fine sandy SILT, little mica, dark yellowish orange banding and black inclusions (wet) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)	
					0.0				
	55			100	0.0				PP = 0.75 TSF
					0.0				
					0.0		SM	Light olive gray silty fine SAND, little mica, white banding (dry) (loose) SAPROLITE (no odor)	
					0.0				
					0.0				
	60				0.0				
					0.0				
					0.0			White fine to medium SAND seam	
					0.0			Grading back to grayish olive fine SAND, little mica, white banding (wet) (dense) SAPROLITE (no odor)	
					0.0				
	65			100	0.0				
					0.0				
					0.0				
					0.0		ML	Grayish olive fine sandy SILT, little mica, little medium sand, white inclusions (moist) (hard) (low plasticity) SAPROLITE (no	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-12

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
								odor)		PP = 4.5 TSF
	70							Boring was completed to 70' bgs and completed as well: +3.3-1.8 ft bgs Pro Casing +3-58 ft bgs 2" Sch. 40 Threaded PVC 58-68 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-50.5 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 50.5-53.8 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 53.8-70 ft bgs Filter Media GP#2		
	75									
	80									
	85									
	90									
	95									
	100									
	105									

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-13

Sheet 1 of 2

Date(s) Drilled	**5/15/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**40 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**4" OD Core Barrel**	Ground Surface Elevation	**NM**
Groundwater Level	**26 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Heavily wooded area, eastern portion of property**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	(Wooded area) dusky brown silty SAND (TOPSOIL)		
			MW-13 (1'-2')			0.0		ML	Moderate reddish brown fine sandy SILT, few mica with yellowish gray partings (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						0.0					PP = 2.5 TSF
						0.0					
	5				100	0.0					
						0.0		SM	Light brown silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)		
						0.0					
						0.0			Fining downward		
						0.0		ML	Moderate brown fine sandy SILT, little mica (moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
	10					0.0					
						0.0					
						0.0					
						0.0					
						0.0					
	15				100	0.0					PP = 1.5 TSF
						0.0					
						0.0					
						0.0					
						0.0					
						0.0					
	20					0.0			Black banding		
						0.0		SP	Yellowish gray to moderate orange pink silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0			Light gray lean clay stringers, ~1/8" to 1/4" thick from 24-24.5 ft		
	25		MW-13 (25'-26')		100	0.0					
						0.0				26 ft ▼	
						0.0					
						0.0					
						0.0					
						0.0					
	30					0.0			Yellowish gray to moderate orange pink silty fine to coarse SAND, little mica, black horizontal to vertical banding (wet) (medium dense) SAPROLITE (no odor)		
						0.0					

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-13

Sheet 2 of 2

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
35	MW-13 (36'-37')		100	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					
40						ML	Dark yellowish orange fine sandy SILT, little mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		PP = 0.75 TSF
45							Boring was completed to 40' bgs and completed as well: +3.3-1.7 ft bgs Pro Casing +3-30 ft bgs 2" Sch. 40 Threaded PVC 30-40 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-25.0 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 25.0-27.5 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 27.5-40 ft bgs Filter Media GP#2		
50									
55									
60									
65									

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-14

Date(s) Drilled	**5/14/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**46 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**4" OD Core Barrel**	Ground Surface Elevation	**550.36 feet**
Groundwater Level	**23 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**South-central portion of fenced-in compound**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	(Grassy surface) dusky brown silty fine SAND (TOPSOIL)		
						0.0		ML	Moderate reddish brown fine sandy SILT, few mica, little white sand inclusions, massive (moist) (stiff) (low plasticity) SAPROLITE (no odor)		
					100	0.0					
						0.0					
	5					0.0					
						0.0			Fining downward		
						0.0					
						0.0					
						5.4					
	10					3.4					
					100	4.2					
						3.6			Developing greasy texture		
			MW-14 (13'-14')			9.6		SP	Yellowish gray silty fine to coarse SAND, little mica, white inclusions (moist) (loose) SAPROLITE (no odor)		PP = 0.25 TSF
	15					6.8					
						2.1					
						1.7		ML	Dark yellowish orange fine sandy SILT, little mica, black banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						0.0					
						4.1					PP = 1.0 TSF
						3.5					
	20		MW-14 (20'-21')			5.4			Coarsening downward		
					100	4.2					PP = 0.25 TSF
						3.6				23 ft ▼	
						3.3					
						3.5					
	25					3.3					
						5.2			Light olive gray fine sandy SILT, little mica, few medium sand, dark yellowish orange and black horizontal to vertical banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						2.5					
						2.8					
						4.1					
	30					3.4			Coarsening downward, becoming moderate orange pink		
					100	4.4					

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-14

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
					4.6		SP/SC	Yellowish brown silty fine to coarse SAND, little mica, little lean clay (wet) (dense) SAPROLITE (no odor)	
					5.6				
	35				4.5				
					5.5		ML	Yellowish gray fine sandy SILT, little mica, black horizontal to vertical seams, dark yellowish orange mottling (moist) (soft) (low plasticity) SAPROLITE (no odor)	
					3.8				
					4.1				PP = 0.5 TSF
					2.9				
	40				4.1				
				100	2.0				
					3.8				
					3.4				
					3.3		SP/SC	Yellowish gray silty fine to coarse SAND, little mica, little lean inorganic clay (wet) (dense) SAPROLITE (no odor)	
		MW-14 (44'-45')			2.5				
	45				2.5				
								Boring was completed to 46' bgs and completed as well: 0.4-35.7 ft bgs 2" Sch. 40 Threaded PVC 35.7-45.7 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-31 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 31-34 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 34-46 ft bgs Filter Media GP#2	
	50								
	55								
	60								
	65								

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-15

Date(s) Drilled	**5/14/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**40 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**4" OD Core Barrel**	Ground Surface Elevation	**NM**
Groundwater Level	**25 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Wooded area south of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0				15.3		SM	(Heavily wooded area) dusky brown silty SAND, little roots,		
					11.8		ML	TOPSOIL		
								Moderate reddish brown fine sandy SILT, few mica, massive (moist) (stiff) (low plasticity) SAPROLITE (no odor)		
					6.8					PP = 1.0 TSF
					5.8		SM	Light brown to moderate brown silty fine SAND, little mica, few		
	5			100	9.0			roots and medium sand (dry) (loose) SAPROLITE (no odor)		
					13.7		ML	Moderate reddish brown fine sandy SILT, few mica, few roots and		
					15.4			medium sand (dry) (loose) SAPROLITE (no odor)		
		MW-15 (7'-8')			16.0					
					12.0		SM	Yellowish gray silty fine SAND, little mica, yellowish orange		
	10				13.8			mottling (dry) (loose) SAPROLITE (no odor)		
					11.2					
					16.1					
					16.7					
					19.1					
					19.5					
	15			100	20.2			Dark yellowish orange mottling		
		MW-15 (16'-17')			22.3					
					18.7					
					15.7					
					11.3					
	20				12.6					
					13.7					
					12.3					
		MW-15 (23'-24')			16.1		ML	Grayish olive and white silt seam		
					16.2		SM	Yellowish gray silty fine SAND, little mica, black banding (moist)		
	25			100	12.4			(loose) SAPROLITE (no odor) 25 ft ▼		
					10.9					
					11.6					
					12.4		ML	Light olive gray fine sandy SILT, little mica, white and black		
					9.8			banding (moist) (soft) (low plasticity) SAPROLITE (no odor)		PP = 0.25 TSF
	30				11.3					
		MW-15 (31'-32')			9.9					PP = 0.75 TSF

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-15

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
35			100	12.4 13.8 13.5 11.8 14.7 14.6		SP/SC	Dark yellowish orange silty fine to coarse SAND, little mica, lean inorganic clay, white banding (moist to wet) (loose) SAPROLITE (no odor)		
				12.5 12.3		ML	Dark yellowish orange fine sandy SILT, few mica with medium orange and white mottling and black horizontal and vertical banding (moist) (vert stiff) (low plasticity) SAPROLITE (no odor)		PP = 1.75 TSF
40							Boring was completed to 40' bgs and completed as well: +3.4-1.6 ft bgs Pro Casing +3.1-27.7 ft bgs 2" Sch. 40 Threaded PVC 27.7-37.7 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-23.4 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 23.4-25.5 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 25.5-40 ft bgs Filter Media GP#2		
45									
50									
55									
60									
65									

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-16

Date(s) Drilled	**5/19/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**36 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**4" OD Core Barrel**	Ground Surface Elevation	**556.92 feet**
Groundwater Level	**24 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Center of softball field, rear of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
556.92	0					1.0		SM	(Grassy surface) dusky brown silty SAND, little roots, TOPSOIL		
						1.1		ML	Moderate reddish brown fine sandy SILT, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						1.0					
			MW-16 (3'-4')		100	1.6					
						1.4					
	5					1.2					
						0.9					
						1.3					
						1.3			Grading to light brown fine sandy SILT, little mica, with grayish orange banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
	10					0.9					
						1.1					
					100	0.5					
						0.2		SM	Yellowish gray silty fine SAND, light olive gray banding (moist) (loose) SAPROLITE (no odor)		
						0.6					
						0.3					
	15					0.6		ML	Grading to light olive gray fine sandy SILT, little mica, dark yellowish orange inclusions (moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						0.8					
						0.5					
						0.7					
			MW-16 (19'-20')			1.3					
	20					0.6		SM	Yellowish gray silty fine SAND, little mica, dark yellowish orange banding (moist) (loose) SAPROLITE (no odor)		
					100	1.3					
						0.8		ML	Yellowish gray sandy SILT, little mica, white, dark yellowish orange and black tiger stripe banding (very moist) (soft) (low plasticity) SAPROLITE (no odor)		
						0.8					
						1.0		SM	Yellowish gray silty fine SAND, little mica, dark yellowish orange and black banding (wet) (loose) SAPROLITE (no odor)	24 ft ▼	
	25					1.1					
						1.1					
						0.8					
						0.8		ML	Yellowish gray fine sandy SILT, little mica, black and white banding (wet) (soft) (low plasticity) SAPROLITE (no odor)		
	30					1.5					
						1.8					
					100	1.9					

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-16

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
35				1.4 1.6 1.7 3.6		SM	Yellowish gray silty fine SAND, little mica, black and white inclusions (wet) (medium dense) SAPROLITE (no odor)	
40							Boring was completed to 36' bgs and completed as well: 0.4-26 ft bgs — 2" Sch. 40 Threaded PVC 26-36 ft bgs — Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-21 ft bgs — Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 21-23.5 ft bgs — Halliburton Hole Plug 3/8" Bentonite Chips 23.5-36 ft bgs — Filter Media GP#2	
45								
50								
55								
60								
65								

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-17

Sheet 1 of 2

Date(s) Drilled	**5/10/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**45 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**3.25" Hollow-Stem Auger**	Ground Surface Elevation	**562.05 feet**
Groundwater Level	**30 feet bgs**	Sampling Method	**1.5" OD Acrylic Tube**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Inside building, east central**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0		MW-17 (0'-1')			71.4			Concrete slab		SABC
						93.7		ML	Commercially crushed limestone		
					90	87.6			Moderate reddish brown fine sandy SILT, little mica, homogeneous (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		PP = 2.0 TSF
						80.4					
	5		MW-17 (4'-5')			132.6					
						52.3			Grading to light brown with moderate orange pink mottling		
					100	45.1					
						63.5					PP = 0.25 TSF
						9.8					
	10					22.7					
						22.3					
					100	10.8					
						9.4					PP = 0.25 TSF
						6.9					
	15					9.3					
						7.2			Grading to light olive gray fine sandy SILT, little mica, white fine sand seams (dry) (soft) (low plasticity) SAPROLITE (no odor)		
					100	11.3					
						2.0					
						3.2					
	20					11.5					PP = 0.25 TSF
						5.6					
						14.2					
					100	3.9		SM	White silty fine SAND, few mica, few medium sand (dry) (loose)		
								ML	SAPROLITE (no odor)		
			MW-17 (23'-24')			22.4			Dark yellowish orange fine sandy SILT, little mica, dusky brown banding (moist) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						20.7					
	25					5.2					
						17.8					
					100	21.4					
						19.5					
						14.6					
	30									30 ft ▼	
						3.8			Becoming wet		
						3.4					

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-17

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
35			100	5.5			Becoming moderate olive brown SAPROLITE		
				7.3					
				2.9					PP = 0.0 TSF
				4.5					
				2.6					
			100	2.6					PP = 1.5 TSF
				4.1					
40				10.4					
				7.8					
				6.7					
			100	5.6			Becoming white SILT with dusky brown banding Grading back to medium olive-brown with dark yellowish orange banding		
				8.1					
45				7.6					PP = 3.25 TSF
							Boring was completed to 45' bgs and completed as well: 0-30 ft bgs — 2" Sch. 40 Threaded PVC 30-45 ft bgs — Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-27.5 ft bgs — Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 27.5-45 ft bgs — Filter Media GP#2		
50									
55									
60									
65									

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-18

Sheet 1 of 2

Date(s) Drilled	**5/12/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**40 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**4" OD Core Barrel**	Ground Surface Elevation	**556.96 feet**
Groundwater Level	**27 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Northwest corner of property in parking lot**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0				1.6		ML	Asphalt surface Commercially crushed limestone		SABC
					2.4			Crew hand augered to 2' bgs Moderate reddish brown fine sandy SILT, little mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
					2.7					
					2.8					
	5	MW-18 (4'-5')		100	3.0					PP = 1.0 TSF
					3.0					
					2.9					
					2.8					
					0.0			Coarsening downward		
					0.0					
	10				0.0		SP	Grayish orange to very pale orange fine to coarse SAND, little silt, mica, subangular quartz (moist) (loose) SAPROLITE (no odor)		
					0.0					
		MW-18 (12'-13')			2.7					
					2.6					
					0.0					
	15			100	0.0		ML	Light olive gray fine sandy SILT, little mica, dark yellowish orange mottling (moist) (soft) (low plasticity) SAPROLITE (no odor)		PP = 0.25 TSF
					0.0					
					2.6		SP	White to yellowish gray fine to coarse SAND, little mica, silt, subangular quartz, dark yellowish orange banding (moist) (loose) SAPROLITE (no odor)		
					0.0					
	20				0.0					
					0.0					
					0.0					
					0.0					
					0.0					
	25			100	0.0					
					0.0					
					0.0				27 ft ▼	
					0.0			Becoming wet at 27'		
					0.0		ML	Light olive gray fine sandy SILT, little mica, white banding (wet) (soft) (low plasticity) SAPROLITE (no odor)		
					0.0					PP = 0.25 TSF
	30				0.0			Light olive gray fine sandy SILT, little mica, white and pale yellowish banding (wet) (very soft) (low plasticity) SAPROLITE (no odor)		
					0.0					

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-18

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
35	MW-18 (38'-39')		100	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					PP = 0.0 TSF
40							Boring was completed to 40' bgs and completed as well: 0.2-28.7 ft bgs 2" Sch. 40 Threaded PVC 28.7-38.7 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-24.8 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 24.8-27 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 27-40 ft bgs Filter Media GP#2		
45									
50									
55									
60									
65									

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-5D

Sheet 1 of 4

Date(s) Drilled	**5/13/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**110 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**6" OD Core Barrel**	Ground Surface Elevation	**NM**
Groundwater Level	**23 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Heavily wooded area, southeast of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	(Wooded area with underbrush) black, dusky brown silty SAND with roots, TOPSOIL		
			MW-5D (1'-2')			0.0		ML	Moderate brown fine sandy SILT, few mica, few inorganic lean clay stringers (moist) (soft) (low plasticity) SAPROLITE (no odor)		
						0.0					
						0.0					
	5				100	0.0					
						0.0					
						0.0					
						0.0					
						0.0					
	10					0.0		OL	Dusky brown to black wood chips and ORGANIC SOIL (moist) (soft) (low plasticity) (no odor)		PP = 1.0 TSF
						0.0					
						0.0					
						0.0					
						0.0		CH	Moderate yellowish brown, inorganic fine sandy FAT CLAY with black inclusions and little roots (moist) (medium stiff) (high plasticity) SAPROLITE (no odor)		PP = 1.75 TSF
	15				100	0.0		ML	Grading to moderate brown fine sandy SILT (moist) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						0.0					
						0.0					
						0.0					
	20					0.0					
			MW-5D (21'-22')			0.0					
						0.0			23 ft ▼		
						4.8					
	25				100	5.2					
						9.9					PP = 0.75 TSF
						10.2					
						11.3			Becoming some mica with pale yellowish orange banding and black inclusions		
						5.7					
						8.4					
	30					1.7			Light olive gray fine sandy SILT, little mica with white medium sand lenses (moist) (stiff) (low plasticity) SAPROLITE (no odor)		
						5.1					

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
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Log of Boring MW-5D

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
35				7.2			Grading to dark greenish gray with white to pale yellowish orange subangular quartz lenses	PP = 2.0 TSF
				8.5				
				7.0				
				11.1				
				0.0				PP = 0.75 TSF
				4.7				
				0.0				
40				0.0			Yellowish gray fine sandy SILT, some mica with white and pale yellowish orange banding (moist) (soft) (low plasticity) SAPROLITE (no odor)	PP = 0.75 TSF
				0.0				
				3.3				
				5.8		CH	Greenish olive fine sandy FAT CLAY, little mica with dark yellowish orange mottling (moist) (soft) (high plasticity) SAPROLITE (no odor)	
				6.1				
45				5.2				
				4.8				PP = 0.75 TSF
				0.0		SP	Yellowish gray fine to medium SAND, little silt and few coarse sand (wet) (loose) SAPROLITE (no odor)	
				8.2				
				4.9				
				1.9		ML	Light olive gray fine sandy SILT, little mica with pale yellowish gravel and white inclusions (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
50				1.2				
				4.8				
				10.7				PP = 1.0 TSF
				4.3				
				3.1				
55				5.3				
				2.8				
				0.0				
				2.7				
				3.0				
60				227.3				
				334.7				
				235.6				
				155.5				
				154.7				
65				283.6		SM	Yellowish gray silty fine SAND, little mica with white to pale yellowish orange banding (moist) (dense) SAPROLITE (no odor)	
				208.0				
				115.8				
				68.1				

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
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Log of Boring MW-5D

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
	70				36.9			Becoming very dense	
					72.3			Grading to light olive gray with dark yellowish orange mottling	
					125.6				
					229.2				
					235.8		ML	Grayish olive fine sandy SILT, little mica with white inclusions (moist) (soft) (low plasticity) SAPROLITE (no odor)	
	75				233.8				
					228.1				
					237.4		SM	Yellowish gray silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)	
					144.2				
					39.3				
					3.9				
	80				0.0			Yellowish gray to light olive gray silty fine SAND, little medium sand and mica (moist) (loose) SAPROLITE (no odor)	
					0.0				
					0.0				
					0.0				
					0.0				
	85				0.0				
					0.0				
					0.0				
					0.0				
					0.0				
	90				24.3				
					5.4				
					4.5				
					2.8				
					2.8				
	95				2.9		ML	Light olive gray fine sandy SILT, massive (wet) (hard) (low plasticity) SAPROLITE (no odor)	
					2.9				
					2.6		SM	Greenish gray silty fine SAND, little mica with few white and pale yellowish orange lithified layers ~1/8" thick (moist to dry) (very dense) SAPROLITE (no odor)	
					2.8				
					12.9				
	100				0.0				
					0.0				
					0.0				
					0.0				
					0.0				
	105							Lithified core strata from barrel were dry - driller began to introduce water to reduce friction. Driller cores to 110' encountered what he termed competent rock	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
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Log of Boring MW-5D

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
							from 106' to 108' then blew out core plug cored to 110' driller indicated it felt competent then blew out core plug again, therefore, no recovery.		
110							Boring was completed to 110' bgs and completed as well: +3.2-1.8 ft bgs Pro Casing +2.9-68.7 ft bgs 2" Sch. 40 Threaded PVC 68.7-73.7 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-63.8 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 63.8-67 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 67-74 ft bgs Filter Media GP#2 74-110 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips		
115									
120									
125									
130									
135									
140									

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-9D

Date(s) Drilled	**5/14/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**76 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**6" OD Core Barrel**	Ground Surface Elevation	**554.15 feet**
Groundwater Level	**22 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Southeast corner of facility fenced-in compound**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0		MW-9D (0'-1')			4.8		SM	(Grassy surface) dusky brown silty SAND with roots, TOPSOIL		SABC
						1.3		ML	Moderate reddish brown fine sandy SILT, few mica, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
					100	1.0					PP = 0.5 TSF
						1.0					
						0.9					
	5					0.6					
						0.9					
						0.9		SP	Moderate orange pink silty fine to coarse SAND, little mica, occasional black mottling (dry) (loose) SAPROLITE (no odor)		
						1.1					
						1.2					
	10				100	1.9					
						1.7					
						1.9					
						1.1					
						1.9					
	15		MW-9D (15'-16')			4.7					
						2.8					
						2.3					
						2.6					
						2.1					
	20					3.2					
					100	4.2			Becoming moist at 21'		
									22 ft ▼		
						4.2					
						4.8					
						5.6					
	25					5.3					
						0.8					
						2.4					
						2.4					
						3.6					
	30					1.2					
					100	0.5					

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Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-9D

Elevation, feet / Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
35				1.5		ML	Yellowish gray fine sandy SILT, little mica, white and pale yellowish orange banding (moist) (stiff) (low plasticity) SAPROLITE (no odor)	PP = 1.75 TSF
				1.2				
				1.2				
				1.1				
				0.7				
				0.8				
				0.9			Grading back to moderate orange pink	
40				0.7				
				3.0				
			100	5.8				
				4.5		CH	Moderate orange pink sandy FAT CLAY, little silt and mica, white and pale yellowish orange mottling (moist) (stiff) (high plasticity) SAPROLITE (no odor)	
				3.8				
				8.2				
45				6.7				PP = 1.5 TSF
				6.7				
				8.3		ML/MH	Dark yellowish orange fine sandy SILT, little mica and lean clay, massive (moist) (hard) (medium plasticity) SAPROLITE (no odor)	
				6.8				
				4.4				
50				6.2				
			100	9.1				
				7.1				PP = 4.25 TSF
				8.4				
				8.5				
55				9.4				
				4.2				
				3.5				
				1.7				
				6.6				
60				7.1				
			100	6.8				
				8.4				
				9.3		SP	Moderate orange pink silty fine SAND, little mica and medium sand, few coarse sand (moist) (medium dense) SAPROLITE (no odor)	
				2.8				
65				2.6				
				3.0		ML/MH	Dark yellowish orange fine sandy SILT, little mica, few medium sand, trace coarse sand, white banding (very moist) (hard) (medium plasticity) SAPROLITE (no odor)	
				2.0				
				2.5				

Project: Remedial Investigation
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Log of Boring MW-9D

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
	70				8.8					
				100	14.4		SP	Dark yellowish orange silty fine to coarse SAND, little mica, white and light olive gray banding (moist) (dense) SAPROLITE (no odor)		
					13.3					
					12.5					
					15.9					
	75				11.5					
					14.1					
								Boring was completed to 76' bgs and completed as well: 0.4-71.2 ft bgs 2" Sch. 40 Threaded PVC 71.2-76.2 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-65.5 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 65.5-68 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 68-76.5 ft bgs Filter Media GP#2		
	80									
	85									
	90									
	95									
	100									
	105									

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-10D

Sheet 1 of 3

Date(s) Drilled	**5/15/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**76 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**6" OD Core Barrel**	Ground Surface Elevation	**549.95 feet**
Groundwater Level	**24 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Grass area, south-central portion of fenced-in compound**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
549.95	0					1.0		SM	(Gravel surface) silty SAND with roots, TOPSOIL		
						1.0		ML	Moderate reddish brown fine sandy SILT		
					100	0.4					
						0.0					PP = 3.0 TSF
	5					0.3					
						0.4					
						1.5					
			MW-10D (7'-8')			7.9					
						0.8					
	10					1.9					
					100	2.4					
						4.5					
						2.1					
						1.6			Becoming grayish orange with greasy texture, little mica		
						1.2					
	15					1.4					
						11.2			Moderate brown fine sandy SILT, little mica, black horizontal to vertical banding (moist) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						0.0					
						4.4					PP = 0.25 TSF
						5.6					
	20					0.0					
					100	9.6					
			MW-10D (22'-23')			10.8					
						8.0					
									24 ft ▼		
						6.5		SM/SP	Yellowish gray silty fine SAND, little mica, moderate orange pink mottling (wet) (loose) SAPROLITE (no odor)		
	25					12.3					
						28.8					
						24.0					
						17.2					
						30.4					
	30					49.8					
					100						
						39.3		ML	Dark yellowish orange fine sandy SILT, little mica, moderate		

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URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-10D

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
						18.9			orange pink mottling and black banding (moist) (soft) (low plasticity) SAPROLITE (no odor)	PP = 0.25 TSF
						23.5				
						13.8				
35								SM	Yellowish gray fine to medium silty SAND seam	
						13.3		ML	Dark yellowish orange fine sandy SILT seam	
						41.2		SP	Yellowish gray silty fine to coarse SAND, little mica, dark yellowish orange and white mottling (wet) (medium dense) SAPROLITE (no odor)	
						18.0				
						16.4			Fining downward	
40						68.1				
					100	36.0				
						31.9				
						24.0		CH/MH	Grading to yellowish gray fine sandy SILT, little mica, dark yellowish orange mottling with black banding (moist) (stiff) (high plasticity) SAPROLITE (no odor)	
						15.5				
45						18.4			Coarsening downward	PP = 2.0 TSF
						5.2				
						9.6				
						11.2		ML	Light olive brown fine sandy SILT, little mica, yellowish gray and black 60° mottling (wet) (soft) (low plasticity) SAPROLITE (no odor)	
						7.8				
50						20.7				PP = 0.5 TSF
					100	5.6				
						4.6				
						2.5				
						1.0		SM/SP	Yellowish gray silty fine SAND, little mica, white and dark yellowish orange banding (wet) (medium dense) SAPROLITE (no odor)	
55						0.4				
						0.3				
									No recovery, driller indicated sand likely fell out of core barrel	
60					0					
						0.1		ML/MH	Moderate yellowish brown fine sandy SILT, few mica, massive (moist) (hard) (medium plasticity)	
						0.1				
65						0.1				PP = 1.0 TSF
						0.2			Grading to medium red with black vertical seams (wet)	
						0.2				PP = 0.75 TSF
						0.5				

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-10D

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
70				0.3					
			30	0.3		SM/SP	Dark yellowish orange silty fine to medium SAND, little mica, yellowish gray mottling with black vertical seams (wet) (medium dense) SAPROLITE (no odor)		
				0.3					
				0.3					
				0.2		ML	Moderate orange pink SILT seam (wet)		
				0.2					
75				0.2		SC	Moderate orange pink silty fine SAND, little mica, yellowish gray mottling, little lean inorganic clay (wet) (loose) SAPROLITE (no odor)		
				0.2					
							Boring was completed to 76' bgs and completed as well: 0.4-70.7 ft bgs 2" Sch. 40 Threaded PVC 70.7-75.7 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-66 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 66-69 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 69-76 ft bgs Filter Media GP#2		
80									
85									
90									
95									
100									
105									

ENV2 WITH WELL J:\PROJECTS\GRFX\ONEWORLD\33764587 ITRON GREENWOOD, SC\33764587LOGS.GPJ URSSEA-ENVIRONMENTAL.GLB URSSEA3.GDT 7/31/14

URS

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-16D

Date(s) Drilled	**5/19/14**	Logged By	**Ron Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**76 feet bgs**
Drill Rig Type	**Terrasonic 150 CC**	Drill Bit Size/Type	**6" OD Core Barrel**	Ground Surface Elevation	**557.25 feet**
Groundwater Level	**24 feet bgs**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Completed as monitoring well**	Location	**Center of softball field, rear of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	(Grassy surface) dusky brown silty SAND, little roots, TOPSOIL		
						0.0		ML	Moderate reddish brown fine sandy SILT, massive (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
					100	0.0					
						0.0					PP = 1.0 TSF
	5					0.0					
			MW-16D (6'-7')			0.4					
						0.2					
						0.2					
						0.0			Grading to light brown fine sandy SILT, little mica, with grayish orange banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
	10				100	0.1					
						0.1					PP = 1.0 TSF
						0.0		SM	Yellowish gray silty fine SAND, little mica, light olive gray banding (moist) (loose) SAPROLITE (no odor)		
						0.1					
	15					0.1					
						0.1		ML	Grading to light olive gray fine sandy SILT, little mica, dark yellowish orange inclusions (moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						0.0					
						0.1					
						0.1					PP = 0.75 TSF
						0.1					
	20					0.1		SM	Yellowish gray silty fine SAND, little mica, dark yellowish orange banding (moist) (loose) SAPROLITE (no odor)		
					100	0.0					
						0.0		ML	Yellowish gray fine sandy SILT, little mica, white, dark yellowish orange and black tiger stripe banding (very moist) (soft) (low plasticity)		
			MW-16D (22'-23')			0.2					PP = 0.5 TSF
									24 ft ▼		
						0.2		SM	Yellowish gray silty fine to medium SAND, little mica, white, dark yellowish orange, black banding (wet) (loose) SAPROLITE (no odor)		
	25					0.2			Becoming wet at 24'		
						0.2					
						0.2					
						0.2		ML	Yellowish gray fine sandy SILT, little mica, black and white banding (wet) (soft) (low plasticity) SAPROLITE (no odor)		
						0.3					PP = 0.25 TSF
	30					0.4					
					100	0.4					PP = 0.75 TSF

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-16D

Elevation, feet / Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
35				0.4, 0.3, 0.3, 0.3, 0.4, 0.4, 0.4		SM	Yellowish gray silty fine to medium SAND, little mica, black and white inclusions (wet) (medium dense) SAPROLITE (no odor)	
40			100	0.3, 0.4, 0.5, 0.6, 0.5, 0.4, 0.4, 0.5, 0.3		ML	Grayish olive fine sandy SILT, little mica, black horizontal to vertical seams (wet) (hard) (low plasticity) SAPROLITE (no odor)	PP = 1.75 TSF PP = 3.25 TSF
45				0.4, 0.6		SM	White to yellowish gray fine to medium SAND seam (wet) (loose)	
50			100	0.6, 0.6, 0.5, 0.4, 0.3, 0.3, 0.3, 0.5, 0.5, 0.4, 0.4, 0.5, 0.5		ML/MH	Grayish olive fine sandy SILT, little mica with black horizontal to vertical seams (wet) (hard) (medium plasticity) SAPROLITE (no odor) (greasy texture)	
55								
60			100				Sharp contact	
65				0.4, 0.5, 0.5, 0.6, 0.5, 0.4		ML	Dark yellowish orange fine sandy SILT, massive (moist) (hard) (low plasticity) SAPROLITE (no odor)	

Project: Remedial Investigation
Project Location: Itron, Greenwood, South Carolina
Project Number: 33764587

Log of Boring MW-16D

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
	70			100	0.6				
					0.6		SM	Yellowish gray silty fine to medium SAND, little mica (moist) (medium dense) (non plastic) SAPROLITE (no odor)	
					0.8				
					0.5				
					0.5				
					0.6				
	75				0.7		ML/MH	Light olive gray fine sandy SILT, little mica, dark yellowish orange mottling (moist) (hard) (medium plasticity) SAPROLITE (no odor)	
								Boring was completed to 76' bgs and completed as well: 0.4-70.5 ft bgs 2" Sch. 40 Threaded PVC 70.5-75.5 ft bgs Johnson Well Materials 10 Slot (0.01") Sch. 40 PVC screen 0-63.5 ft bgs Neat Cement Grout Halliburton Quick-Gel Powered Bentonite Type I Portland Cement 63.5-67.0 ft bgs Halliburton Hole Plug 3/8" Bentonite Chips 67.0-76 ft bgs Filter Media GP#2	
	80								
	85								
	90								
	95								
	100								
	105								

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 58		58
Saturated sands 58 to 68		68
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	58 to 68	

5. REMARKS: MW-12

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 68 ft. Date Started: 5-12-14 Date Completed: 5-12-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 58 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 58 ft. and 68 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 68 ft. to 56 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 56 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 30		30
Saturated sands 30 to 40		40
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	30 to 40	

5. REMARKS: MW-13

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 40 ft. Date Started: 5-15-14 Date Completed: 5-15-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 30 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 30 ft. and 40 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 40 ft. to 28 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 28 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 36		36
Saturated sands 36 to 46		46
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	36 to 46	

5. REMARKS: MW-14

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 46 ft. Date Started: 5-14-14 Date Completed: 5-14-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 36 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 36 ft. and 46 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 46 ft. to 35 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 35 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) **COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER**

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 28		28
Saturated sands 28 to 38		38
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	28 to 38	

5. REMARKS: MW-15

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 38 ft. Date Started: 5-14-14 Date Completed: 5-14-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 28 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 28 ft. and 38 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 38 ft. to 26 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 26 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A B C D (circle one) ✓
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 26		26
Saturated sands 26 to 36		36
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	26 to 36	

5. REMARKS: MW-16

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 36 ft. Date Started: 5-19-14 Date Completed: 5-19-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 26 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 26 ft. and 36 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 36 ft. to 24 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 24 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3795 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 35		35
Saturated sands 35 to 45		45
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	35 to 45	

5. REMARKS: MW-17

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 45 ft. Date Started: 5-10-14 Date Completed: 5-10-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 35 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 35 ft. and 45 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 45 ft. to 33 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 33 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 29		29
Saturated sands 29 to 39		39
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	29 to 39	

5. REMARKS: MW-18

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 39 ft. Date Started: 5-12-14 Date Completed: 5-12-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 29 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 29 ft. and 39 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 39 ft. to 26 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 26 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 69		69
Saturated sands 69 to 74		74
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	69 to 74	

5. REMARKS: MW-5D

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 74 ft. Date Started: 5-13-14 Date Completed: 5-13-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 69 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 69 ft. and 74 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 74 ft. to 67 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 67 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 71		71
Saturated sands 71 to 76		46
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	71 to 76	

5. REMARKS: MW-9D

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 76 ft. Date Started: 5-15-14 Date Completed: 5-15-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 71 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 71 ft. and 76 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 76 ft. to 69 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 69 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A B C D (circle one) ✓
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
Address: 2111 North Molter Road
City: Liberty Lake State: WA Zip: 99019
Telephone: Work: 509 891-3938 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 71		71
Saturated sands 71 to 76		46
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	71 to 76	

5. REMARKS: MW-10D

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 76 ft. Date Started: 5-16-14 Date Completed: 5-16-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 71 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 71 ft. and 76 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 76 ft. to 69 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 69 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A ✓ B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Marron (last) Matt (first)
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2. LOCATION OF WELL: **COUNTY:** Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood SC Zip: 29646
Latitude: N/A Longitude: N/A

3. PUBLIC SYSTEM NAME: N/A **PUBLIC SYSTEM NUMBER:** N/A

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Sandy Clay 0 to 66		66
Saturated sands 66 to 76		76
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	66 to 76	

5. REMARKS: MW-16D

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 76 ft. Date Started: 5-19-14 Date Completed: 5-19-14

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 66 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 66 ft. and 76 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 76 ft. to 63 ft.
Effective size #1-A Uniformity Coefficient 20/30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 63 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit **CERT. NO.:** 963
Address: (Print) 2078 Alpine Drive, Aiken, SC 29803
Level: A B C D (circle one)
Telephone No.: 803.522.3793 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 6-27-14

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Appendix E: Survey Report

Well No.	Northing	Easting	Top of Casing Elev.	Top Elev.
1	869224.644	1667988.237	557.737	558.147
2	869207.038	1668204.679	562.295	562.615
3	869104.002	1668261.237	561.835	562.144
4	868958.364	1668477.977	555.131	555.459
5	868892.212	1668553.549	549.115	549.359
6	868936.457	1668319.405	559.431	559.710
7	868894.361	1668279.797	560.332	560.615
8	868870.317	1668410.386	557.193	557.547
9	868681.764	1668650.676	553.650	553.904
10	868593.655	1668484.530	551.071	551.422
11	868712.965	1668117.285	560.167	560.447

Well No.	Northing	Easting	Top of Casing Elev.	Top Elev.
4	868958.364	1668477.977	558.86	559.41
5	868892.212	1668553.549	552.86	553.28
12	869049.75	1668419.153	565.93	566.13
13	868815.677	1668779.111	550.17	550.39
14	868458.767	1668332.2	549.95	550.36
15	868370.465	1668655.81	557.2	557.48
16	868782.253	1668386.285	556.51	556.92
17	869005.623	1668192.86	561.75	562.05
18	869009.841	1667664.807	556.76	556.96
5D	868879.078	1668537.552	554.14	554.36
9D	868671.574	1668643.253	553.77	554.15
10D	868586.308	1668469.047	550.85	549.95
16D	868776.648	1668370.548	556.78	557.25

Appendix F: Well Development Logs

URS

Monitoring Well Development Log

Page 1 of 1

Date Started: 5-22-14 Date Completed: 5-22-14

Field Personnel: CHEVIS STRANGE

Site Name: ITRON GREENWOOD, SC

Project Number: 337645.87

Well ID #: MW-12

☒ Upgradient ☐ Downgradient Sidegradient

Weather Conditions: SUNNY

Air Temperature: 82 °F

Total Well Depth (TWD): 68 (1/100 ft)

Depth to Groundwater (DGW): ~~36.32~~ 36.32 (1/100 ft)

Length of Water Column (LWC) = TWD – DGW = 31.62 (1/100 ft)

1 Casing Volume (OCV) = LWC x 0.163 = 5.15 gallons 5.0

5 Casing Volumes = 25 gallons

Method of Well Development: Pumping & Surging

Total Volume of Water Removed: 25 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-22-14/1330		Initial	36.3	22.50	7.72	-63	~~+1000~~ 0.113	+1000	2.96
5-22-14/1339	0.5	5	~~45.6~~	21.55	7.25	77	0.109	+1000	2.05
5-22-14/1351	0.4	10	46.1	21.11	6.58	-16	0.105	536	1.95
5-22-14/1400	0.6	15	50.22	20.36	6.23	-31	0.106	+1000	1.84
5-22-14/1409	0.6	20	50.5	20.56	6.18	-33	0.105	848	1.90
5-22-14/1417	0.6	25	50.85	20.66	6.25	-31	0.107	840	2.00

COMMENTS/OBSERVATIONS:

URS

Monitoring Well Development Log

Page 1 of 1

Date Started: 5-21-14 Date Completed: 5-21-14

Field Personnel: CHEVIS STRANGE

Site Name: IT.ZON GREENWOOD SC

Project Number: 33764587

Well ID #: MW-13

☐Upgradient ☒Downgradient

Weather Conditions: SUNNY

Air Temperature: 88 °F

Total Well Depth (TWD): 40.0 (1/100 ft)

Depth to Groundwater (DGW): 31.47 (1/100 ft)

Length of Water Column (LWC) = TWD – DGW = 8.53 (1/100 ft)

1 Casing Volume (OCV) = LWC x 0.1163 = 1.39 gallons 1.0

5 Casing Volumes = 5 gallons

Method of Well Development: PUMPING & SURGING

Total Volume of Water Removed: 6 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-21-14 / 13:04		INITIAL		22.65	8.21	279	0.102	+1000	5.20
5-21-14 / 14:14		1		20.50	7.50	210	0.082	+1000	5.59
5-21-14 / 14:41		2		20.57	7.54	39	0.086	+1000	3.49
5-21-14 / 14:48		3		19.10	7.17	82	0.082	+1000	4.54
5-21-14 / 14:54		4		18.92	7.03	-56	0.055	+1000	1.62
5-21-14 / 14:59		5		18.53	6.74	-19	0.074	+1000	2.54
5-21-14 / 15:05		6		18.61	6.56	69	0.067	+1000	5.99

COMMENTS/OBSERVATIONS: DRY @ 14:17 @ 1.4 GAL - RESUMED @ 14:36

URS

Monitoring Well Development Log

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Date Started: 5-20-14	Date Completed: 5-20-14
Field Personnel: CHEVIS STRANGE	
Site Name: ITRON GREENWOOD, SC	
Project Number: 33764587	
Well ID #: MW-14	
☐Upgradient ☒Downgradient	
Weather Conditions: SUNNY	
Air Temperature: 67 °F	

Total Well Depth (TWD): 45.52 (1/100 ft)	2" Ø PVC WELL
Depth to Groundwater (DGW): 20.20 (1/100 ft)	
Length of Water Column (LWC) = TWD – DGW = 25.32 (1/100 ft)	
1 Casing Volume (OCV) = LWC x 0.163 = 4.13 gallons	4.0
5 Casing Volumes = 20 gallons	
Method of Well Development	PUMPING + SURGING SCREENED INTERVAL
Total Volume of Water Removed: 20 gallons	

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-20-14 / 10:12	0.143	INITIAL		17.64	8.60	-129	0.111	0	9.03
5-20-14 / 10:31	0.143	4		17.78	8.41	-132	0.109	298	4.27
5-20-14 / 10:45	0.143	8		18.04	8.20	-122	0.106	370	2.11
5-20-14 / 11:06	0.143	12		18.30	7.86	-60	0.080	78.9	2.56
5-20-14 / 11:30	0.143	16		17.92	6.01	-25	0.065	73.0	2.67
5-20-14 / 12:32		20		17.93	5.92	12	0.063	693	3.81

COMMENTS/OBSERVATIONS: @ 11:40 DRY @ 11 GAL - RESUMED @ 11:51 / @ 12:05 DRY @ 18 GAL - RESUMED @ 12:20 / END @ 12:40
DGW-29.85'

URS

Monitoring Well Development Log

Page 1 of 1

Date Started: 5-21-14 Date Completed: 5-22-14

Field Personnel: CHEVIS STRANGE

Site Name: ITRON GREENWOOD, SC

Project Number: 33764587

Well ID #: MW-15

☐ Upgradient ☒ Downgradient

Weather Conditions: SUNNY

Air Temperature: 88°F

Total Well Depth (TWD): 41.60 (1/100 ft)

Depth to Groundwater (DGW): 36.91 (1/100 ft)

Length of Water Column (LWC) = TWD – DGW = 4.69 (1/100 ft)

1 Casing Volume (OCV) = LWC x 0.163 = 0.76 gallons 1.0

5 Casing Volumes = 5 gallons

Method of Well Development: PUMPING & SURGING

Total Volume of Water Removed: 4 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-21-14 / 13:42	0.25	Initial		24.77	9.55	231	0.158	>1000	5.76
5-21-14 / 13:53	0.25	1		24.45	8.97	274	0.149	>1000	3.65
5-21-14 / 14:23	0.25	2		22.22	6.71	152	0.149	>1000	4.41
5-22-14 / 0755	0.25	3	36.95	18.38	7.19	172	0.155	>1000	5.19
5-22-14 / 0810	0.25	3.5	38.65	17.86	7.23	173	0.128	>1000	5.51
5-22-14 / 0841	0.25	4	38.75	17.72	7.08	164	0.122	>1000	5.07

COMMENTS/OBSERVATIONS: Dry @ 1344 @ 1 gallon; RESUMED @ 14:22 / DRY @ 14:38 @ 2.4Gal; Resume 5/22/14 @ 0755. Dry @ 3 gallons @ 0758; Resume @ 0810; Dry @ 3.5 gallons @ 0812; Resume @ 0841

URS

Monitoring Well Development Log

Date Started: 5-21-14 Date Completed: 5-21-14
Field Personnel: Aaron Council
Site Name: Itron
Project Number: 33764587
Well ID #: MW-16
☐ Upgradient ☑ Downgradient
Weather Conditions: Sunny
Air Temperature: 77 °F

Total Well Depth (TWD): 36 (1/100 ft) 2" PVC Well
Depth to Groundwater (DGW): 22.49 (1/100 ft)
Length of Water Column (LWC) = TWD – DGW = 13.51 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 = 2.20 gallons ~2
5 Casing Volumes = 10 gallons
Method of Well Development: Pumping & Surging
Total Volume of Water Removed: 16 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-21-14 | 0900	2.0	Initial	22.49	19.07	6.35	408	0.208	547	8.96
0903	1.5	2		18.96	8.13	266	0.143	+1,000	8.34
0906	1.0	4		19.17	9.22	186	0.125	354	7.15
0909	1.0	6		19.27	9.61	146	0.123	309	5.80
0917	1.5	8		19.02	9.70	197	0.118	791	6.63
0923	1.5	10		19.29	9.73	220	0.119	688	5.89
0933	1.5	12		19.52	9.94	224	0.117	501	7.01
0943	1.5	14		19.48	10.01	228	0.117	264	5.81
0956	2.0	16	23.04	19.60	10.05	219	0.113	191	8.29

COMMENTS/OBSERVATIONS: 0909 Dry @ 6 gallons - Resume @ 0915; Dry @ 8.5 gallons @ 0918; Resume @ 0921; Dry @ 11 gallons @ 0926; Resume @ 0931; Dry @ 13 gallons @ 0935; Resume @ 0941; Dry @ 0945 15 gallons. Resume @ 0955

URS

Monitoring Well Development Log

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Date Started: 5-21-14	Date Completed: 5-21-14
Field Personnel: CHEVIS STRANGE	
Site Name: ITRON GREENWOOD SC	
Project Number: 33764587	
Well ID #: MW-17	
☐Upgradient ☒Downgradient	
Weather Conditions: INSIDE BUILDING	
Air Temperature: 75 °F	

Total Well Depth (TWD): 44.5 (1/100 ft)	
Depth to Groundwater (DGW): 26.80 (1/100 ft)	End @ 27.60
Length of Water Column (LWC) = TWD – DGW = 17.7 (1/100 ft)	
1 Casing Volume (OCV) = LWC x 0.163 = 2.88 gallons	3.0
5 Casing Volumes = 15 gallons	
Method of Well Development	PUMPING & Surging
Total Volume of Water Removed: 15 gallons	

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-21-14 / 15:55		INITIAL		23.13	7.39	272	0.102	+1000	5.32
5-21-14 / 16:03		3		22.08	7.31	240	0.101	+1000	4.30
5-21-14 / 16:12		6		21.49	7.18	221	0.093	+1000	5.00
5-21-14 / 16:16		9		21.31	6.91	220	0.90	+1000	7.28
5-21-14 / 16:19		12		21.18	6.65	222	0.85	+1000	4.79
5-21-14 / 16:22		15		21.26	6.65	236	0.81	173	4.08

COMMENTS/OBSERVATIONS: End @ 16:25 @ 15 GAL.

URS

Monitoring Well Development Log

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Date Started: 5-20-14	Date Completed: 5-21-14
Field Personnel: CHEVIS STRANGE	
Site Name: ITRON GREENWOOD, SC	
Project Number: 33764587	
Well ID #: MW-18	
☒ Upgradient ☒ Downgradient	
Weather Conditions: SUNNY	
Air Temperature: 87 °F	

Total Well Depth (TWD): 39 (1/100 ft)	2" Ø PVC WELL
Depth to Groundwater (DGW): 19.10 (1/100 ft) 5-21-14	19.45
Length of Water Column (LWC) = TWD – DGW = 19.90 (1/100 ft)	
1 Casing Volume (OCV) = LWC x 0.163 = 3.24 gallons	3.0
5 Casing Volumes = 15 gallons	
Method of Well Development	PUMPING & SURGING
Total Volume of Water Removed: 24 gallons	

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-20-14 / 15:55	0.25	INITIAL		22.11	6.56	11	0.123	+100.0	3.77
5-20-14 / 16:01	0.25	3		22.38	6.65	-19	0.119	+100.0	3.23
5-20-14 / 16:14	0.25	6		22.51	6.14	-38	0.100	+100.0	2.38
5-20-14 / 16:40		9		22.93	6.12	-24	0.082	804	3.41
5-21-14 / 10:30		12		23.42	9.02	48	0.070	+100.0	4.01
5-21-14 / 10:36		15		22.60	7.91	-24	0.071	379	6.03
5-21-14 / 10:44		18		21.94	7.45	+24	0.056	+100.0	2.91
5-21-14 / 10:56		21		22.88	7.21	66	0.053	+100.0	4.90
5-21-14 / 11:15		24		22.74	7.24	93	0.053	+1000	6.53
				21.98	6.29	108	0.049	+1000	6.53

COMMENTS/OBSERVATIONS: @ 16:20 DRY @ 6.5 GAL - RESUMED @ 16:26 / DRY @ 16:47 - RESUMED @ 10:30 5/21/14

URS

Monitoring Well Development Log

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Date Started: 5/19/14 Date Completed: 5-22-14
Field Personnel: Chevis Strange
Site Name: Itron Greenwood SC
Project Number: 33764587
Well ID #: MW-5D
☐ Upgradient ☒ Downgradient
Weather Conditions: Sunny
Air Temperature: 85 °F

Total Well Depth (TWD): 76.0 (1/100 ft) 2" Ø PVC well
Depth to Groundwater (DGW): 27.01 (1/100 ft)
Length of Water Column (LWC) = TWD – DGW = 48.99 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 = 7.98 gallons ~8.0
5 Casing Volumes = 40 gallons
Method of Well Development: Bailing, pumping and surging screened interval
Total Volume of Water Removed: 28 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-19-14/1620	1.0	Initial		21.52	10.45	-158	0.256	+1000	2.96
5-19-14/1634	1.0	8		20.72	10.70	-154	0.255	+1000	2.84
5-20-14/0802	1.0	13.0		17.83	8.60	-229	0.392	+1000	1.87
5-20-14/0922	1.0	21.0		17.85	7.70	-234	0.387	+1000	2.16
5-22-14/1447			31.65	20.47	7.08	-112	0.147	+1000	3.22
5-22-14/1508	0.5	26.0	56.2	21.21	7.39	-96	0.159	+1000	2.71
5-22-14/1738		28.0	42.7	21.46	7.23	-101	0.162	854	2.67

COMMENTS/OBSERVATIONS: Recharge ~ 1 foot per 10 minutes; 1512 stopped pumping water level @ 59'; well pumped dry, allowed to recharge

URS

Monitoring Well Development Log

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Date Started: 5-21-14	Date Completed: 5-22-14
Field Personnel: CHRIS STANLEY	
Site Name: IRON GREENWOOD SC	
Project Number: 33764587	
Well ID #: MW-9D	
☐ Upgradient ☒ Downgradient	
Weather Conditions: SUNNY	
Air Temperature: 85 °F	

Total Well Depth (TWD): 76.0 (1/100 ft)	
Depth to Groundwater (DGW): 33.03 (1/100 ft)	
Length of Water Column (LWC) = TWD – DGW = 42.97 (1/100 ft)	
1 Casing Volume (OCV) = LWC x 7.0 = 7.0 gallons	
5 Casing Volumes = 35 gallons	
Method of Well Development	
~~3 minutes to recover 1 foot (0957 5/22/14)~~ (AC)	
Total Volume of Water Removed: 21 gallons	

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-21-14 / 12:50	1.5	INITIAL		23.22	9.12	191	0.108	228	4.90
5-22-14 / 0914	1.0	5	32.97	18.92	11.08	-149	0.298	>1000	3.04
5-22-14 / 0934	0.25	12		19.74	10.93	-84	0.171	894	4.16
5-22-14 / 1004	0.25	14		20.19	10.25	-76	0.151	775	4.10
5-22-14 / 1600	0.5	18	33.9	22.82	8.32	-107	0.108	682	3.28
5-22-14 / 1718			49.3	21.99	8.74	-124	0.137	357	3.74
5-22-14 / 1727	0.5	21	58.9	22.74	8.63	-132	0.126	381	2.96

COMMENTS/OBSERVATIONS: DRY @ 13:03 @ 4.5 GAL - RESUMED @ 5/22/14 @ 0914; DRY @ 0938; RESUME @ 0957.
1625 Pumped well dry - allowed to recharge

URS

Monitoring Well Development Log

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Date Started: 5-21-14	Date Completed: 5-22-14
Field Personnel: CHEVIS STRANGE	
Site Name: MW-10D / ITRON GREENWOOD, SC	
Project Number: 33764587	
Well ID #: MW-10D	
☐ Upgradient ☒ Downgradient	
Weather Conditions: 87 SUNNY	
Air Temperature: 87 °F	

Total Well Depth (TWD): 76 (1/100 ft)	
Depth to Groundwater (DGW): 22.25 (1/100 ft)	
Length of Water Column (LWC) = TWD – DGW = 53.75 (1/100 ft)	
1 Casing Volume (OCV) = LWC x 0.163 = 8.76 gallons	9.0
5 Casing Volumes = 45 gallons	
Method of Well Development: PUMPING & Surging	
Total Volume of Water Removed: 16 gallons	

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5-21-14 / 12:00		INITIAL	22.25	22.51	7.63	271	0.107	456	5.61
5-21-14 / 1225		9		20.47	9.96	67	0.115	>1000	4.92
5-22-14 / 1023		14		19.16	9.85	-174	0.134	>1000	1.82
5-22-14 / 1630		14.5	36.10	23.23	8.94	-11	0.108	+1000	3.11
5-22-14 / 1704		16	45.18	22.47	8.91	-26	0.117	854	2.79

COMMENTS/OBSERVATIONS: DRY @ 12:10 - RESUMED @ 12:25; DRY @ 1227; RESUME @ 1023; DRY @ 1039
1642 pumped well dry, well recharged 0.7' in 8 minutes

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Monitoring Well Development Log

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Date Started: 5/22/14 Date Completed: 5/22/14

Field Personnel: Aaron Council

Site Name: Itron

Project Number: 33764587

Well ID #: MW-16D

☐ Upgradient ☒ Downgradient

Weather Conditions: Sunny

Air Temperature: 79 °F

Total Well Depth (TWD): 76 (1/100 ft)

Depth to Groundwater (DGW): 26.49 (1/100 ft)

Length of Water Column (LWC) = TWD – DGW = 49.51 (1/100 ft)

1 Casing Volume (OCV) = LWC x 0.163 = 8.07 gallons ~ 8

5 Casing Volumes = 40 gallons

Method of Well Development: Pumping & surging

Total Volume of Water Removed: 40 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
5/22/14 - 1102	1.5	Initial		22.03	9.97	199	0.113	30.5	5.26
5/22/14 - 1113	1	8		21.33	9.41	243	0.102	3.7	3.81
5/22/14 - 1127	0.6	16	43.4	20.59	8.73	16	0.094	0.0	3.01
5-22-14/ 1142	0.5	24	39.5	21.74	7.55	-13	0.084	0.0	3.19
5-22-14/ 1154	0.7	32	39.1	21.49	7.16	-11	0.082	5.5	3.72
5-22-14/ 1211	0.5	40	39.7	22.13	6.91	-9	0.079	0.0	3.51

COMMENTS/OBSERVATIONS: Sheen on development water; sheen observed on development water after 4th well volume evacuated, but no odor

Appendix G: Groundwater Sampling Logs

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Field Data Information Log for Groundwater Sampling

Well ID # MW-1
Site Name Itron – Greenwood, SC
Date 6/5/2014
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions P. Cloudy
Air Temperature 75 °F
Total Well Depth (TWD) 31 1/100 ft
Depth to Ground Water (DGW) 22.08 1/100 ft
Length of Water Column (LWC) = TWD – DGW 7.92 1/100 ft
1 Casing Volume = LWC x 0.163 = 1.29 gal
3 Casing Volumes 3.87 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 1.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks VOC's, EDB & PAH's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.3	0.6	0.9	1.3		
TIME (military)	0745	0748	0751	0754	0757		
PH (S.U.)	5.74	5.32	5.21	5.13	5.08		
Sp. Cond. (units: Ms/cm)	0.039	0.035	0.032	0.033	0.032		
Water Temp. (°C)	23.96	23.28	23.11	23.18	23.14		
TURBIDITY (ntu)	214	178	154	154	148		
ORP (mV)	208	244	253	263	269		
Dissolved Oxygen (mg/L)	8.68	8.23	8.10	7.99	8.06		

COMMENTS/OBSERVATIONS:
- Sample time = 0800
- Final WL = 23.98

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Field Data Information Log for Groundwater Sampling

Well ID # MW-2
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 68 °F
Total Well Depth (TWD) 35 1/100 ft
Depth to Ground Water (DGW) 28.63 1/100 ft
Length of Water Column (LWC) = TWD – DGW 6.37 1/100 ft
1 Casing Volume = LWC x 0.163 = 1.03 gal
3 Casing Volumes 3.09 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 1.25 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 25-35 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ✓ MODERATE ____ HIGH ____
Remarks

Sample well @ 0830

FIELD ANALYSES

VOLUME PURGED (gallons)	0						
TIME (military)	0809						
PH (S.U.)	5.94						
Sp. Cond. (units: Ms/cm)	0.056						
Water Temp. (°C)	21.94						
TURBIDITY (ntu)	133						
ORP (mV)	183						
Dissolved Oxygen (mg/L)	5.12						

COMMENTS/OBSERVATIONS: Dry @ 1 gallon @ 0812; Sample well @ 0830 after allowing to recharge

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Field Data Information Log for Groundwater Sampling

Well ID # MW-3
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 70 °F
Total Well Depth (TWD) 47 1/100 ft
Depth to Ground Water (DGW) 27.80 1/100 ft
Length of Water Column (LWC) = TWD – DGW 19.20 1/100 ft
1 Casing Volume = LWC x 0.163 = 3.12 gal
3 Casing Volumes 9.36 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 37-47 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ✓ HIGH ____
Remarks

Sample well @ 1000.

FIELD ANALYSES

VOLUME PURGED (gallons)	0	2	4				
TIME (military)	0919	0928	0944				
PH (S.U.)	5.70	5.58	5.67				
Sp. Cond. (units: Ms/cm)	0.148	0.101	0.150				
Water Temp. (°C)	20.17°	19.84°	20.23°				
TURBIDITY (ntu)	556	67.9	574				
ORP (mV)	62	113	119				
Dissolved Oxygen (mg/L)	1.62	0.03	6.18				

COMMENTS/OBSERVATIONS: Dry @ 4 gallons @ 0936; Start again @ 0943; Dry again @ 5 gallons @ 0947; Allow well to recharge and sample @ 1000.

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-4
Site Name Itron – Greenwood, SC
Date 6/5/2014
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions Cloudy
Air Temperature 77 °F
Total Well Depth (TWD) 47.00 1/100 ft
Depth to Ground Water (DGW) 27.90 1/100 ft
Length of Water Column (LWC) = TWD – DGW 19.10 1/100 ft
1 Casing Volume = LWC x 0.163 = 3.11 gal
3 Casing Volumes 9.34 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed _____ gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation _____ 1/100 ft
Land Surface Elevation _____ 1/100 ft
Screened Interval _____ 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks VOC's & PAH's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.3	0.75	1.0	1.4	1.75	2.25	2.7
TIME (military)	0932	0935	0938	0941	0944	0947	0950	0953
PH (S.U.)	5.69	5.12	4.99	4.79	4.81	4.81	4.85	4.80
Sp. Cond. (units: Ms/cm)	0.067	0.081	0.081	0.081	0.072	0.062	0.064	0.065
Water Temp. (°C)	21.67	18.54	18.52	18.87	18.51	18.54	18.42	18.29
TURBIDITY (ntu)	<1000	<1000	<1000	<1000	<1000	552	346	463
ORP (mV)	91	116	124	136	146	161	167	172
Dissolved Oxygen (mg/L)	4.73	0.81	0.68	0.60	CRO 1.17	3.03	2.94	2.74

COMMENTS/OBSERVATIONS:
- Sample Time = 0955
- Final WL = 38.15

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-5
Site Name Itron – Greenwood, SC
Date 6/5/2014
Field Personnel C. Rocca/S. Sisk
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 75°F °F
Total Well Depth (TWD) 47 1/100 ft
Depth to Ground Water (DGW) 25.99 1/100 ft
Length of Water Column (LWC) = TWD – DGW 21.01 1/100 ft
1 Casing Volume = LWC x 0.163 = 3.42 gal
3 Casing Volumes 10.27 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed ~~9~~ 5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks • VOCs & PAHs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.4	CR~~0.76~~ 0.75	1.2	1.5	1.8	2.1	2.4
TIME (military)	1048	1051	1054	1057	1100	1103	1106	1109
PH (S.U.)	6.83	6.00	5.58	5.50	5.45	5.46	5.51	5.54
Sp. Cond. (units: Ms/cm)	0.076	0.091	0.074	0.070	0.069	0.070	0.071	0.072
Water Temp. (°C)	21.88	19.68	19.77	19.77	19.68	19.91	20.12	20.39
TURBIDITY (ntu)	353	891	413	259	197	93.1	51.4	35.7
ORP (mV)	82	-8	4	0	4	5	5	5
Dissolved Oxygen (mg/L)	6.34	2.86	3.71	3.75	3.83	3.82	3.86	3.77

COMMENTS/OBSERVATIONS: • Sample time = 1110
• Final WL = 28.54

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-6
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 90 °F
Total Well Depth (TWD) 37.25 1/100 ft
Depth to Ground Water (DGW) 25.33 1/100 ft
Length of Water Column (LWC) = TWD – DGW 11.92 1/100 ft
1 Casing Volume = LWC x 0.163 = 1.94 gal
3 Casing Volumes 5.82 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed ____ gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation ____ 1/100 ft
Land Surface Elevation ____ 1/100 ft
Screened Interval 27.25 - 37.25 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks

Sample well @ 1615

Ending water level = 27.50

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1.5	3	4.5	6		
TIME (military)	1536	1544	1553	1603	1611		
PH (S.U.)	6.61	6.28	6.04	5.83	5.79		
Sp. Cond. (units: Ms/cm)	0.052	0.045	0.040	0.036	0.037		
Water Temp. (°C)	23.43°	23.31°	21.97°	21.92°	21.83°		
TURBIDITY (ntu)	370	110	12.1	7.7	5.8		
ORP (mV)	146	184	199	214	220		
Dissolved Oxygen (mg/L)	7.57	6.53	6.31	6.22	6.04		

COMMENTS/OBSERVATIONS:

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-7
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel C. ROCCO / S. SISK
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 90 °F
Total Well Depth (TWD) 57 1/100 ft
Depth to Ground Water (DGW) 26.12 1/100 ft
Length of Water Column (LWC) = TWD – DGW 30.88 1/100 ft
1 Casing Volume = LWC x 0.163 = 5.03 gal
3 Casing Volumes 15.10 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 2.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks VOC's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	0.75	1.0	1.25	1.75	2.25
TIME (military)	1615	1618	1621	1624	1627	1630	1633
PH (S.U.)	6.18	6.36	6.02	5.88	5.75	5.60	5.38
Sp. Cond. (units: Ms/cm)	0.056	0.056	0.060	0.059	0.052	0.044	0.039
Water Temp. (°C)	24.76	24.49	21.15	20.87	22.42	23.56	24.12
TURBIDITY (ntu)	<1000	530	750	550	124	68.7	52.3
ORP (mV)	189	213	200	199	201	206	206
Dissolved Oxygen (mg/L)	5.02	3.79	5.20	5.15	4.69	4.46	4.29

COMMENTS/OBSERVATIONS: : Sample time = 1635
: Final WL = 29.32

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-8
Site Name Itron – Greenwood, SC
Date 6/4/2014
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 89°F °F
Total Well Depth (TWD) ~~CR 47.57~~ 1/100 ft
Depth to Ground Water (DGW) ~~CR 25.18~~ 25.18 1/100 ft
Length of Water Column (LWC) = TWD – DGW 31.82 1/100 ft
1 Casing Volume = LWC x 0.163 = 5.19 gal
3 Casing Volumes 15.56 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 2.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks
- VOC's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	1.0	1.25	1.5	2.0	2.5
TIME (military)	1529	1532	1535	1538	1541	1544	1547
PH (S.U.)	6.50	5.88	5.67	5.60	5.55	5.50	5.46
Sp. Cond. (units: Ms/cm)	0.048	0.046	0.046	0.044	0.045	0.045	0.046
Water Temp. (°C)	23.45	20.38	20.57	22.90	21.64	20.25	20.11
TURBIDITY (ntu)	943	930	778	704	350	140	103
ORP (mV)	236	247	251	252	253	253	253
Dissolved Oxygen (mg/L)	9.01	7.61	6.79	6.07	5.04	4.72	4.67

COMMENTS/OBSERVATIONS:
- Sample time = 1550
- Final WL = 30.64
-

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-9
Site Name Itron – Greenwood, SC
Date 6/4/2014
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 81°F °F
Total Well Depth (TWD) 52 1/100 ft
Depth to Ground Water (DGW) 33.35 1/100 ft
Length of Water Column (LWC) = TWD – DGW 18.65 1/100 ft
1 Casing Volume = LWC x 0.163 = 3.04 gal
3 Casing Volumes 9.12 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 1.75 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ✓ HIGH ____
Remarks
Sample well @ 1110
• VOC's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.25	0.5	1.0	1.4		
TIME (military)	1052	1055	1058	1101	1104		
PH (S.U.)	7.24	5.29	4.96	4.83	4.81		
Sp. Cond. (units: Ms/cm)	0.045	0.030	0.028	0.028	0.027		
Water Temp. (°C)	20.24	18.82	18.39	18.71	19.27		
TURBIDITY (ntu)	756	472	CR~~ZL~~ 253	145	86.4		
ORP (mV)	136	182	211	199	183		
Dissolved Oxygen (mg/L)	3.29	2.29	2.10	2.21	2.40		

COMMENTS/OBSERVATIONS:
• Sample time: 1110
• MS/MSD collected
• Final WL = 39.22

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-10
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 84 °F
Total Well Depth (TWD) 35 1/100 ft
Depth to Ground Water (DGW) 22.59 1/100 ft
Length of Water Column (LWC) = TWD – DGW 12.41 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 0.25 gallons

Casing Diameter ~~2.0~~ 1.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 30-35 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ✓ MODERATE ____ HIGH ____
Remarks

Sample well @ 1310.

Ending water level = 34.30

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.25					
TIME (military)	1257	1301					
PH (S.U.)	7.98	7.02					
Sp. Cond. (units: Ms/cm)	0.038	0.036					
Water Temp. (°C)	23.19°	20.84°	✓				
TURBIDITY (ntu)	800	340					
ORP (mV)	153	170					
Dissolved Oxygen (mg/L)	9.10	11.85					

COMMENTS/OBSERVATIONS:

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-11
Site Name Itron – Greenwood, SC
Date 6/4/2014
Field Personnel C. ROCCO / S. SISK
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 89 °F
Total Well Depth (TWD) 46 1/100 ft
Depth to Ground Water (DGW) 25.19 1/100 ft
Length of Water Column (LWC) = TWD – DGW 20.81 1/100 ft
1 Casing Volume = LWC x 0.163 = 3.39 gal
3 Casing Volumes 10.18 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed ____ gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation ____ 1/100 ft
Land Surface Elevation ____ 1/100 ft
Screened Interval ____ 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ____ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks * VOC's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	0.75	1.25	1.5	2.0	2.5
TIME (military)	1659	1702	1705	1708	1711	1714	1717
PH (S.U.)	5.46	5.00	4.85	4.72	4.68	4.66	4.66
Sp. Cond. (units: Ms/cm)	0.027	0.027	0.026	0.027	0.027	0.028	0.027
Water Temp. (°C)	23.85	20.09	20.82	20.16	20.14	20.30	21.49
TURBIDITY (ntu)	<1000	544	267	113	42.9	44.2	0239 41.2
ORP (mV)	245	274	280	273	271	274	271
Dissolved Oxygen (mg/L)	7.20	6.78	6.20	6.41	6.26	6.05	5.59

COMMENTS/OBSERVATIONS:
- Sample time = 1720
- Final WL = 32.55

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-12
Site Name Itron – Greenwood, SC
Date 6/5/14
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions Cloudy
Air Temperature 77 °F
Total Well Depth (TWD) 68 1/100 ft
Depth to Ground Water (DGW) 36.50 1/100 ft
Length of Water Column (LWC) = TWD – DGW 31.50 1/100 ft
1 Casing Volume = LWC x 0.163 = 5.13 gal
3 Casing Volumes 15.40 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 3.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks
- VOC's, EDB & PAH's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.75	1.25	1.75	2.0	2.5	3.0
TIME (military)	0841	0844	0847	0850	0853	0856	0859
PH (S.U.)	6.13	6.01	6.00	6.14	6.13	6.13	6.13
Sp. Cond. (units: Ms/cm)	0.117	0.115	0.116	0.118	0.120	0.122	0.123
Water Temp. (°C)	20.23	20.07	19.88	19.85	19.78	19.78	19.78
TURBIDITY (ntu)	484	131	132	104	102	86.7	86.3
ORP (mV)	44	-239	-252	-260	-251	-240	-234
Dissolved Oxygen (mg/L)	9.07	6.72	6.56	0.75	0.89	1.02	1.06

COMMENTS/OBSERVATIONS:
- Sample time = 0905
- Final WL = 37.98
- MS / MSD Collected

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-13
Site Name Itron – Greenwood, SC
Date 6/5/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 77 °F
Total Well Depth (TWD) 40 1/100 ft
Depth to Ground Water (DGW) 31.65 1/100 ft
Length of Water Column (LWC) = TWD – DGW 8.35 1/100 ft
1 Casing Volume = LWC x 0.163 = 1.36 gal
3 Casing Volumes 4.08 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 4 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval ~~30-40~~ 33-43' (stick up) 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ✓ HIGH ____
Remarks
Sample well @ 0915
Ending water level = 41.11

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1	1.5	2.5	4		
TIME (military)	0857	0900	0903	0908	0914		
PH (S.U.)	6.31	6.00	5.87	5.74	5.75		
Sp. Cond. (units: Ms/cm)	0.066	0.061	0.058	0.059	0.057		
Water Temp. (°C)	19.45°	17.51°	17.81°	17.49°	17.96°		
TURBIDITY (ntu)	187	36	27	25	34		
ORP (mV)	8	9	21	8	-2		
Dissolved Oxygen (mg/L)	5.56	3.27	3.45	1.71	0.31		

COMMENTS/OBSERVATIONS:

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-14
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 85 °F
Total Well Depth (TWD) 46 1/100 ft
Depth to Ground Water (DGW) 20.43 1/100 ft
Length of Water Column (LWC) = TWD – DGW 15.57 1/100 ft
1 Casing Volume = LWC x 0.163 = 2.54 gal
3 Casing Volumes 7.61 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 2.25 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks
- needs lock
- VOC's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	0.75	1.25	1.5	1.75	2.0
TIME (military)	1230	1233	1236	1239	1242	1245	1248
PH (S.U.)	7.89	6.38	6.05	5.92	5.86	5.84	5.77
Sp. Cond. (units: Ms/cm)	0.050	0.066	0.069	0.067	0.063	0.063	0.066
Water Temp. (°C)	23.99	21.27	19.87	18.54	20.98	21.72	19.65
TURBIDITY (ntu)	<1000	<1000	<1000	<1000	<1000	661	436
ORP (mV)	-15	-236	-254	-271	-257	-236	-226
Dissolved Oxygen (mg/L)	3.33	0.74	0.68	0.65	0.70	0.83	0.96

COMMENTS/OBSERVATIONS:
- Sample Time: 1250
- Final WL = ~~1250~~ 24.36
- Temp. fluctuations due to low flow rate & temp. of sight glass

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-15
Site Name Itron – Greenwood, SC
Date 6/5/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 81 °F
Total Well Depth (TWD) 41' 1/100 ft
Depth to Ground Water (DGW) 36.76 1/100 ft
Length of Water Column (LWC) = TWD – DGW 4.24 1/100 ft
1 Casing Volume = LWC x 0.163 = 0.69 gal
3 Casing Volumes 2.07 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed ____ gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation ____ 1/100 ft
Land Surface Elevation ____ 1/100 ft
Screened Interval 31-41' (Stickup) 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ____ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks

Sample well @ 1055

Ending water level =

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1	1.5				
TIME (military)	1045 ~~0947~~	~~1009~~ 1048	1051 ~~1053~~				
PH (S.U.)	6.43	6.32	6.17				
Sp. Cond. (units: Ms/cm)	0.106	0.090	0.084				
Water Temp. (°C)	20.37°	18.66°	18.36°				
TURBIDITY (ntu)	695	877	925				
ORP (mV)	112	102	117				
Dissolved Oxygen (mg/L)	2.58	12.03	11.82				

COMMENTS/OBSERVATIONS: Dry @ 1.5 gallons @ 1051; Allow well to recharge and sample @ 1055.

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-16
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 89 °F
Total Well Depth (TWD) 36 1/100 ft
Depth to Ground Water (DGW) 22.79 1/100 ft
Length of Water Column (LWC) = TWD – DGW 13.21 1/100 ft
1 Casing Volume = LWC x 0.163 = 2.15 gal
3 Casing Volumes 6.45 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 12 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 26-36 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks

Sample well @ 1455

Ending water level = 30.30

FIELD ANALYSES

VOLUME PURGED (gallons)	0	3	6	9	12		
TIME (military)	1423	1427	1433	1442	1451		
PH (S.U.)	7.14	7.14	6.83	6.23	6.19		
Sp. Cond. (units: Ms/cm)	0.107	0.141	0.081	0.080	0.079		
Water Temp. (°C)	19.67°	19.14°	19.23°	19.46°	19.44°		
TURBIDITY (ntu)	544	200	106	20.4	10.0		
ORP (mV)	-27	-95	-48	-29	-14		
Dissolved Oxygen (mg/L)	2.86	1.08	4.27	5.91	7.55		

COMMENTS/OBSERVATIONS:

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-17
Site Name Itron – Greenwood, SC
Date 6/5/14
Field Personnel Aaron Council & Glenn HawKins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 93 °F
Total Well Depth (TWD) 44.50 1/100 ft
Depth to Ground Water (DGW) ~~27.62~~ 26.72 1/100 ft
Length of Water Column (LWC) = TWD – DGW 17.78 ~~16.88~~ 1/100 ft
1 Casing Volume = LWC x 0.163 = ~~2.75~~ 2.89 gal
3 Casing Volumes ~~8.25~~ 8.67 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 34.5 - 44.5' 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ✓
Remarks

Sample well @ 1630
Collect duplicate @ 1635 (DUP-11)

FIELD ANALYSES

VOLUME PURGED (gallons)	0	3	6	9			
TIME (military)	1604	1611	1618	1625			
PH (S.U.)	6.26	6.29	6.26	6.22			
Sp. Cond. (units: Ms/cm)	0.085	0.093	0.084	0.086			
Water Temp. (°C)	23.72°	22.35°	21.38°	21.10°			
TURBIDITY (ntu)	819	761	945	>1000			
ORP (mV)	101	144	157	170			
Dissolved Oxygen (mg/L)	7.09	8.97	9.43	9.51			

COMMENTS/OBSERVATIONS:

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-18
Site Name Itron – Greenwood, SC
Date 6/5/14
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 88°F °F
Total Well Depth (TWD) 39' 1/100 ft
Depth to Ground Water (DGW) 20.49 1/100 ft
Length of Water Column (LWC) = TWD – DGW 18.51 1/100 ft
1 Casing Volume = LWC x 0.163 = 3.02 gal
3 Casing Volumes 9.05 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 2.0 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ____ NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks
- VOC + PAH's
- no lock

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	0.75	1.0	1.25	1.5	1.75
TIME (military)	1535	1538	1541	1544	1547	1550	1553
PH (S.U.)	5.97	5.99	5.77	5.46	5.40	5.38	5.27
Sp. Cond. (units: Ms/cm)	0.063	0.055	0.053	0.052	0.051	0.051	0.051
Water Temp. (°C)	30.57	25.14	24.54	24.14	24.65	25.07	22.77
TURBIDITY (ntu)	CR>1000	845	453	390	349	331	325
ORP (mV)	90 ~~<1000~~ CR	66	101	131	138	141	146
Dissolved Oxygen (mg/L)	7.17	5.02	4.85	4.68	4.48	4.41	5.04

COMMENTS/OBSERVATIONS:
- Sample time = 1555
- Final WL = 26.23

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-5D
Site Name Itron – Greenwood, SC
Date 6/5/2014
Field Personnel
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 75 °F
Total Well Depth (TWD) 76.8 1/100 ft
Depth to Ground Water (DGW) 27.21 1/100 ft
Length of Water Column (LWC) = TWD – DGW 49.59 1/100 ft
1 Casing Volume = LWC x 0.163 = 8.08 gal
3 Casing Volumes 24.25 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 1.95 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks VOC's & PAH's

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.3	0.75	1.0	1.25	1.5	1.75	1.90
TIME (military)	1010	1013	1016	1019	1022	1025	1028	1030
PH (S.U.)	5.33	6.42	6.91	6.97	6.97	6.94	7.04	6.90
Sp. Cond. (units: Ms/cm)	0.154	0.159	0.167	0.166	0.166	0.169	0.171	0.171
Water Temp. (°C)	21.47	20.65	20.38	20.79	20.53	20.72	20.87	20.62
TURBIDITY (ntu)	673	540	517	508	500	493	493	489
ORP (mV)	68	-254	-414	-422	-414	-351	-386	-399
Dissolved Oxygen (mg/L)	6.40	4.31	5.92	5.32	4.72	0.53	0.44	0.42

COMMENTS/OBSERVATIONS: 1 Sample Time = 1030
2 Final WL = 38.88

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-9D
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel Aaron Council & Glenn Hawkins
Job # 33764587.00002
Weather Conditions Sunny
Air Temperature 81 °F
Total Well Depth (TWD) 76 1/100 ft
Depth to Ground Water (DGW) 32.88 1/100 ft
Length of Water Column (LWC) = TWD – DGW 43.12 1/100 ft
1 Casing Volume = LWC x 0.163 = 7.02 gal
3 Casing Volumes 21.06 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 12 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 71-76 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES ✓ NO ____
Well Yield LOW ____ MODERATE ✓ HIGH ____
Remarks

Sample well @ 1140

Ending water level = 73.20

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1.5	3.5	6	9	12	
TIME (military)	1053	1056	1106	1115	1126	1133	
PH (S.U.)	9.45	9.21	9.24	9.11	8.95	8.80	
Sp. Cond. (units: Ms/cm)	0.290	0.126	0.126	0.135	0.131	0.134	
Water Temp. (°C)	19.93°	18.48°	18.60°	18.71°	18.86°	19.44°	
TURBIDITY (ntu)	954	674	564	551	678	427	
ORP (mV)	-227	-276	-347	-366	-335	-278	
Dissolved Oxygen (mg/L)	0.72	0.00	0.00	0.00	0.72	2.31	

COMMENTS/OBSERVATIONS: Dry @ 12 gallons @ 1133; Allow well to recharge and sample @ 1140

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-10D
Site Name Itron – Greenwood, SC
Date 6/4/14
Field Personnel C. Rocco / S. Sisk
Job # 33764587.00002
Weather Conditions clear
Air Temperature 83°F °F
Total Well Depth (TWD) 76 1/100 ft
Depth to Ground Water (DGW) 24.93 1/100 ft
Length of Water Column (LWC) = TWD – DGW 51.07 1/100 ft
1 Casing Volume = LWC x 0.163 = 8.32 gal
3 Casing Volumes 24.97 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 2.25 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks
• VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	0.9	1.5	1.75	2.10	
TIME (military)	1136	1139	1142	1145	1148	1151	
PH (S.U.)	4.36	7.37	7.60	7.65	7.78	7.68	
Sp. Cond. (units: Ms/cm)	0.099	0.102	0.103	0.097	0.098	0.102	
Water Temp. (°C)	24.60	19.89	19.10	19.95	19.74	17.87	
TURBIDITY (ntu)	451	<1000	<1000	<1000	<1000	<1000	
ORP (mV)	-7	-240	-258	-295	-314	-299	
Dissolved Oxygen (mg/L)	3.14	0.67	0.68	0.48	0.50	0.53	

COMMENTS/OBSERVATIONS:
• Sample time = 1155
• final WL = 42.35'
• Cloudy during entire purge

URS

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Field Data Information Log for Groundwater Sampling

Well ID # MW-16D
Site Name Itron – Greenwood, SC
Date 6/4/2014
Field Personnel C. ROCCO / S. SISK
Job # 33764587.00002
Weather Conditions Clear
Air Temperature 87 °F
Total Well Depth (TWD) 75.8 1/100 ft
Depth to Ground Water (DGW) 26.30 1/100 ft
Length of Water Column (LWC) = TWD – DGW 49.5 1/100 ft
1 Casing Volume = LWC x 0.163 = 8.07 gal
3 Casing Volumes 24.21 gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump
Method of Sample Collection Submersible Pump
Total Volume of Water Removed 3.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks
- needs lock
- VOC's

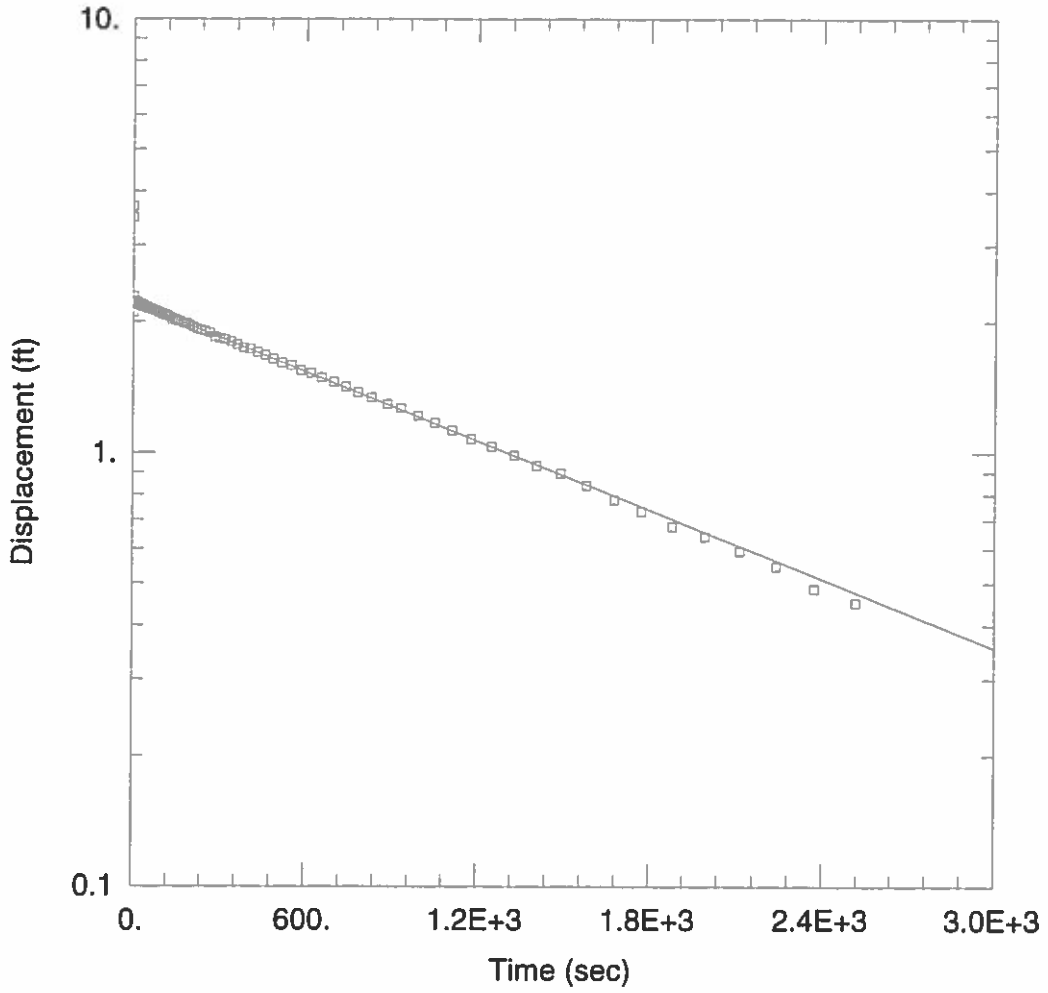
FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.6	1.25	1.75	2.25	2.75	3.25
TIME (military)	1419 CR	1426	1429	1432	1435	1438	1441
PH (S.U.)	5.88	6.38	6.33	6.21	6.14	6.07	6.01
Sp. Cond. (units: Ms/cm)	0.096	0.096	0.099	0.109	0.107	0.105	0.104
Water Temp. (°C)	22.14	22.34	21.99	19.84	19.57	19.33	19.32
TURBIDITY (ntu)	16.8	15.0	14.9	11.8	6.3	5.2	4.2
ORP (mV)	85	52	19	CR ~~11.8~~ -19	-24	-4	3
Dissolved Oxygen (mg/L)	2.40	0.70	0.65	0.74	0.78	1.06	1.25

COMMENTS/OBSERVATIONS:
- Sample time = 1445
- Final WL = 29.84
- clear for entire purge

DUP-10 @ 14:50

Appendix H: Slug Test Results



FALLING

Data Set: J:\...\MW-3.aqt
Date: 07/22/14 Time: 11:48:01

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-3
Test Date: 6/27/14

AQUIFER DATA

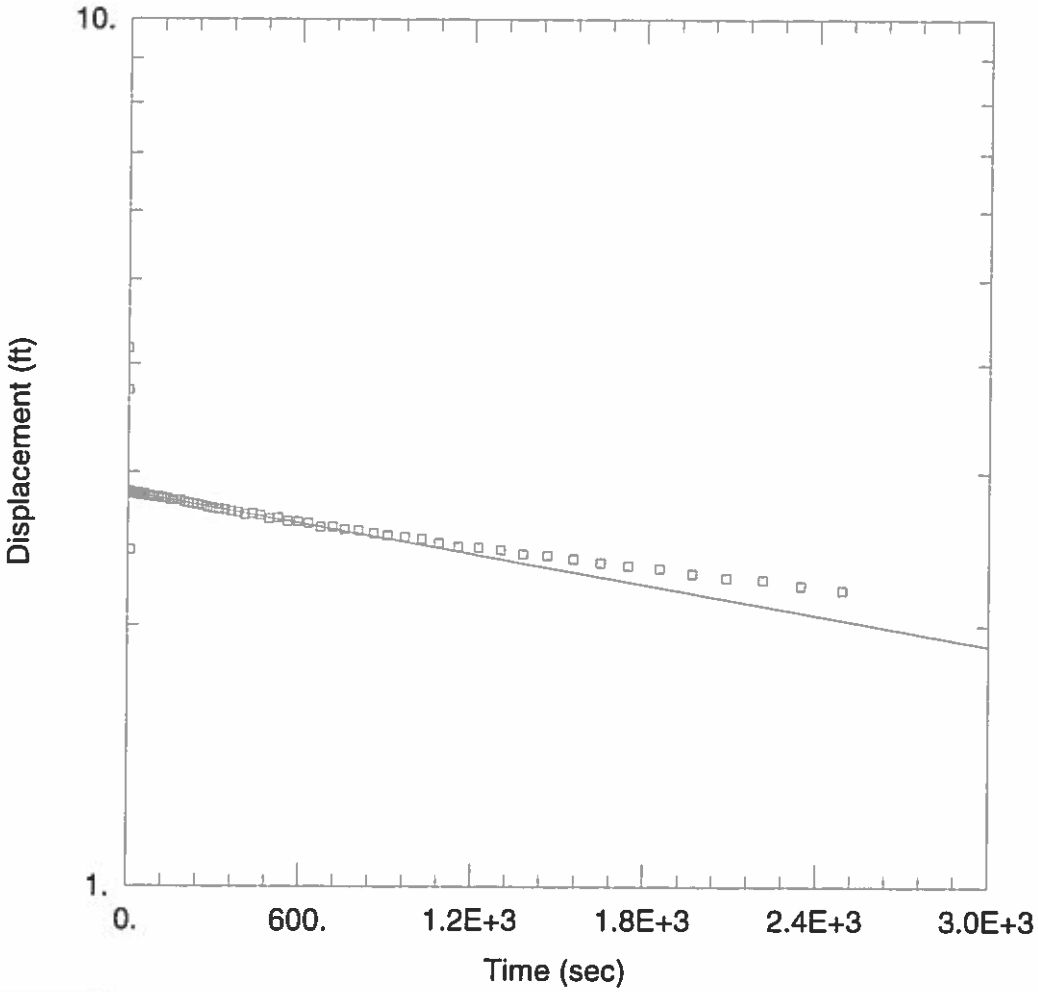
Saturated Thickness: 19.13 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 3.693 ft
Total Well Penetration Depth: 47. ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.87 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.622E-5 cm/sec
y0 = 2.216 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-5D.aqt
Date: 07/22/14 Time: 11:48:12

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-5D
Test Date: 6/27/14

AQUIFER DATA

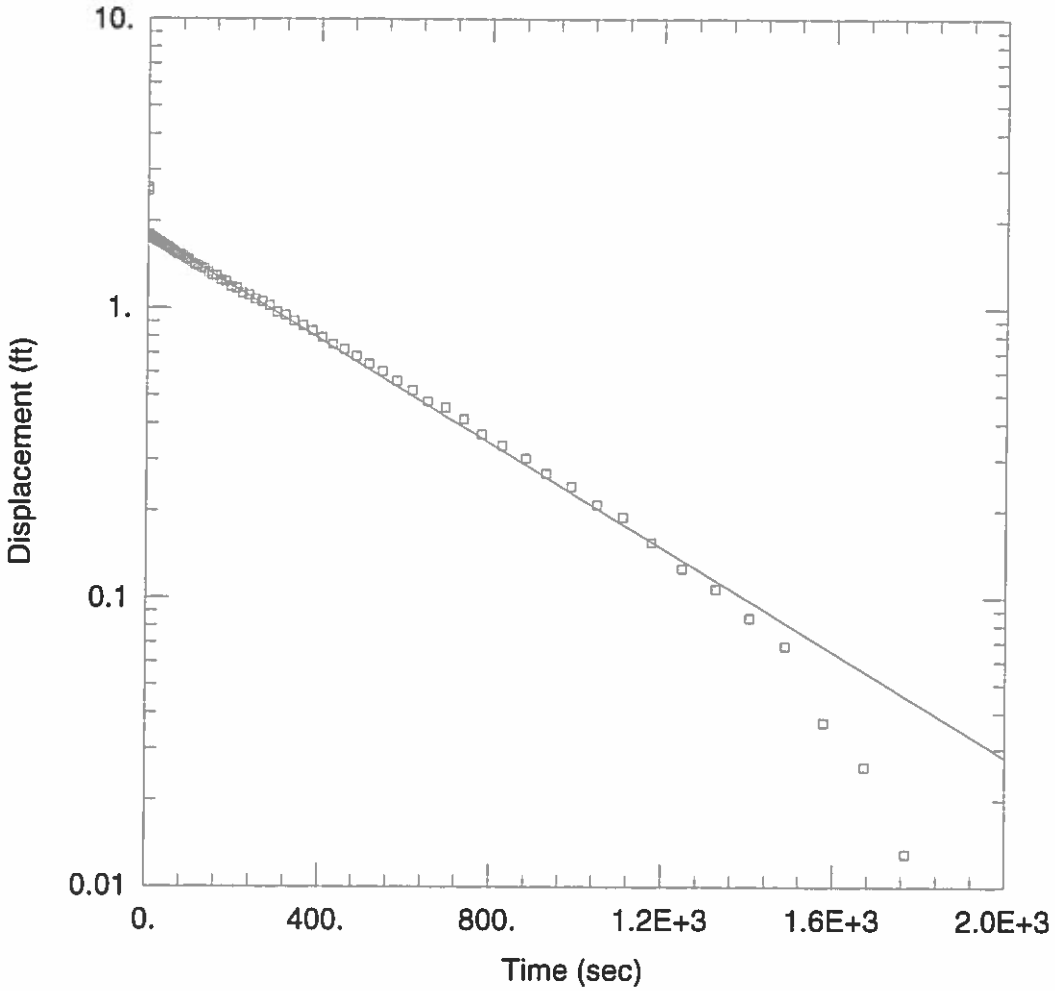
Saturated Thickness: 78.57 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-5D)

Initial Displacement: 3.732 ft Static Water Column Height: 47.57 ft
Total Well Penetration Depth: 74. ft Screen Length: 5. ft
Casing Radius: 0.083 ft Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 9.307E-6 cm/sec y0 = 2.844 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-6.aqt
Date: 07/22/14 Time: 11:48:19

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-6
Test Date: 6/27/14

AQUIFER DATA

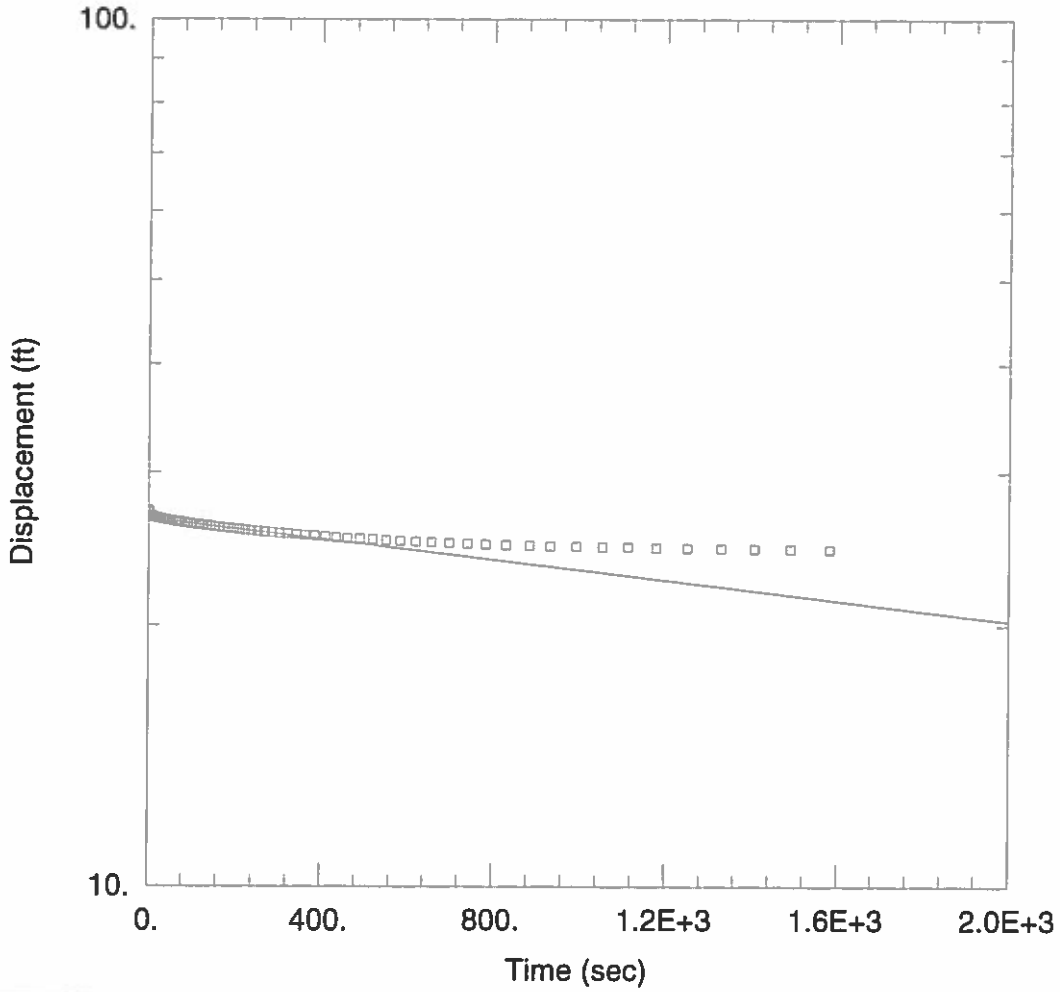
Saturated Thickness: 19.2 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6)

Initial Displacement: 2.601 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.2 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 8.661E-5 cm/sec
y0 = 1.797 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-8.aqt
Date: 07/22/14 Time: 11:49:41

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-8
Test Date: 6/27/14

AQUIFER DATA

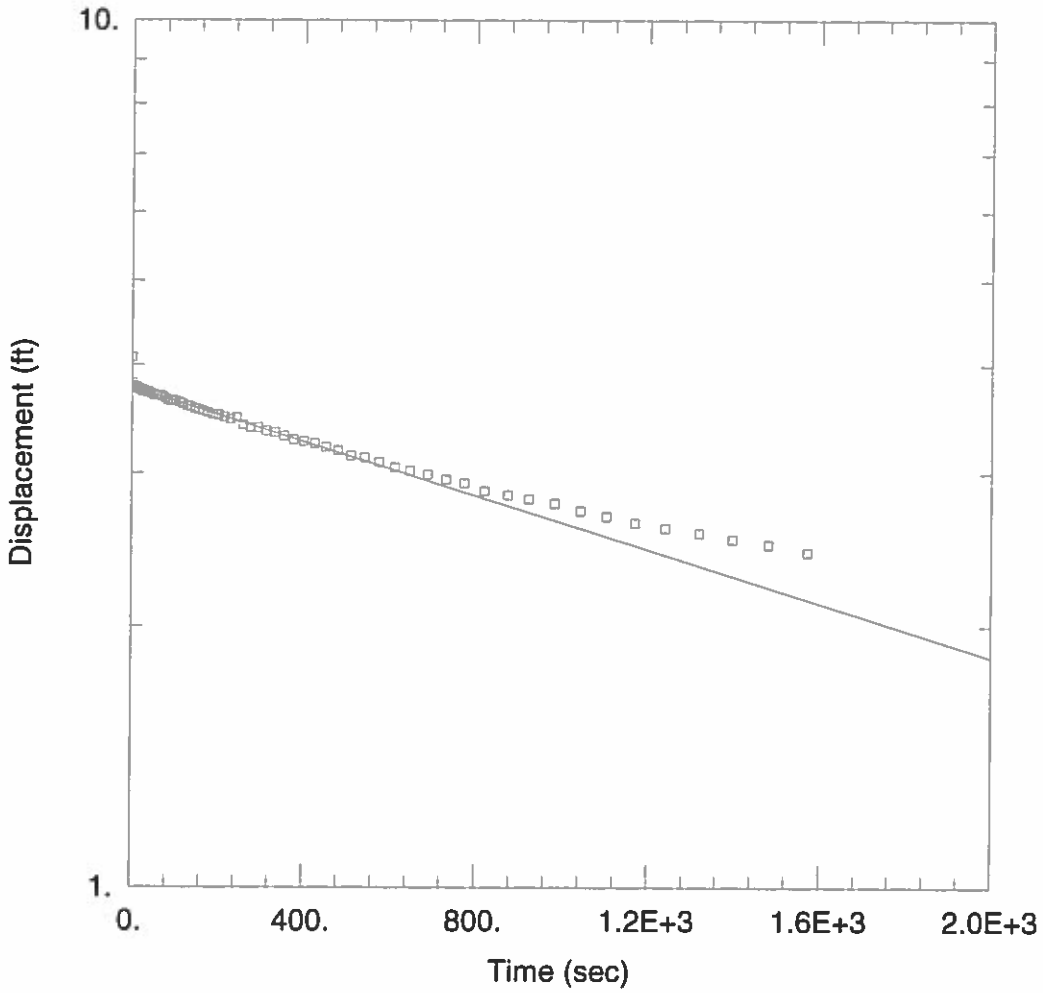
Saturated Thickness: 29.97 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-8)

Initial Displacement: 27.13 ft
Total Well Penetration Depth: 55.6 ft
Casing Radius: 0.083 ft
Static Water Column Height: 29.51 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.984E-6 cm/sec
y0 = 26.56 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-9.aqt
Date: 07/22/14 Time: 11:49:57

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-9
Test Date: 6/27/14

AQUIFER DATA

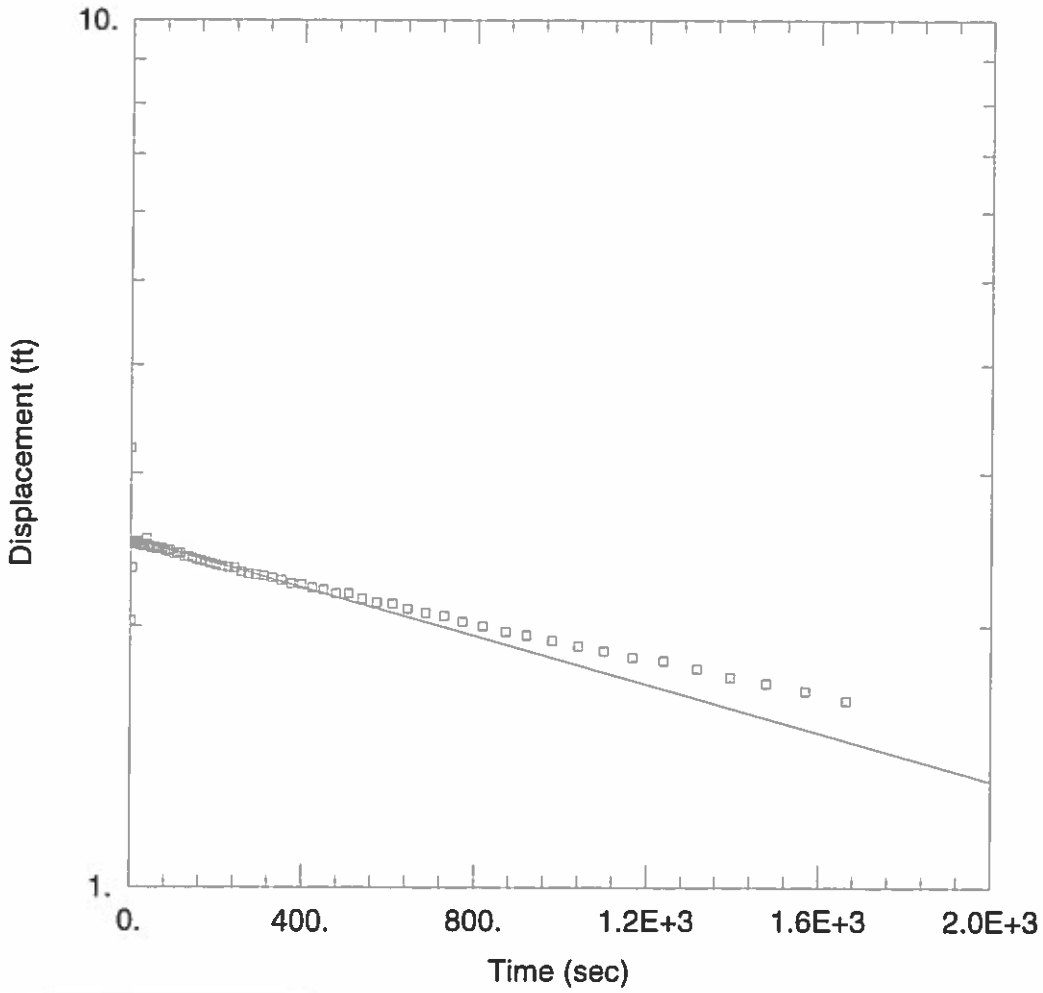
Saturated Thickness: 22.38 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9)

Initial Displacement: 4.08 ft
Total Well Penetration Depth: 52.3 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.68 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.558E-5 cm/sec
y0 = 3.765 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-9D.aqt
Date: 07/22/14 Time: 11:50:05

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-9D
Test Date: 6/27/14

AQUIFER DATA

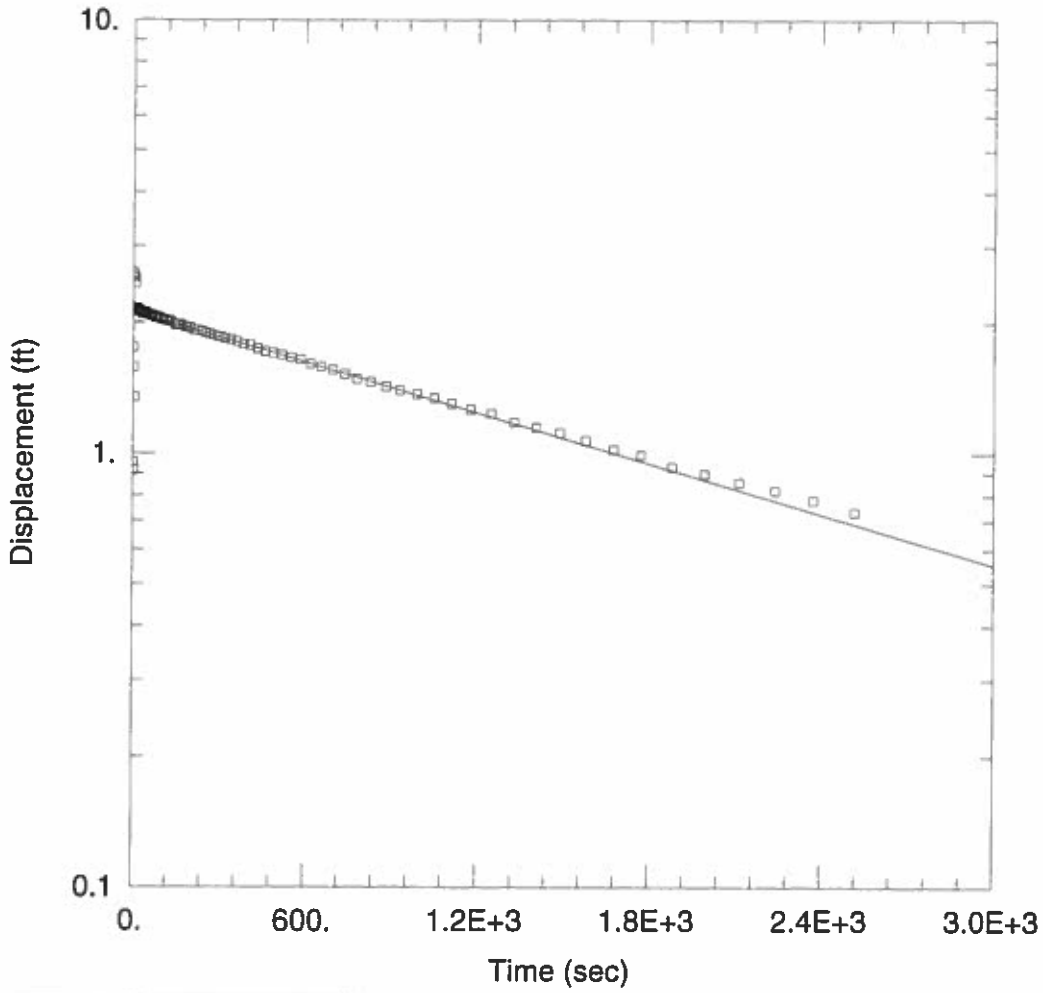
Saturated Thickness: 54.2 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9D)

Initial Displacement: 3.207 ft
Total Well Penetration Depth: 76.2 ft
Casing Radius: 0.083 ft
Static Water Column Height: 43.46 ft
Screen Length: 5. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.754E-5 cm/sec
y0 = 2.52 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-11.aqt
Date: 07/22/14 Time: 11:50:15

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-11
Test Date: 6/27/14

AQUIFER DATA

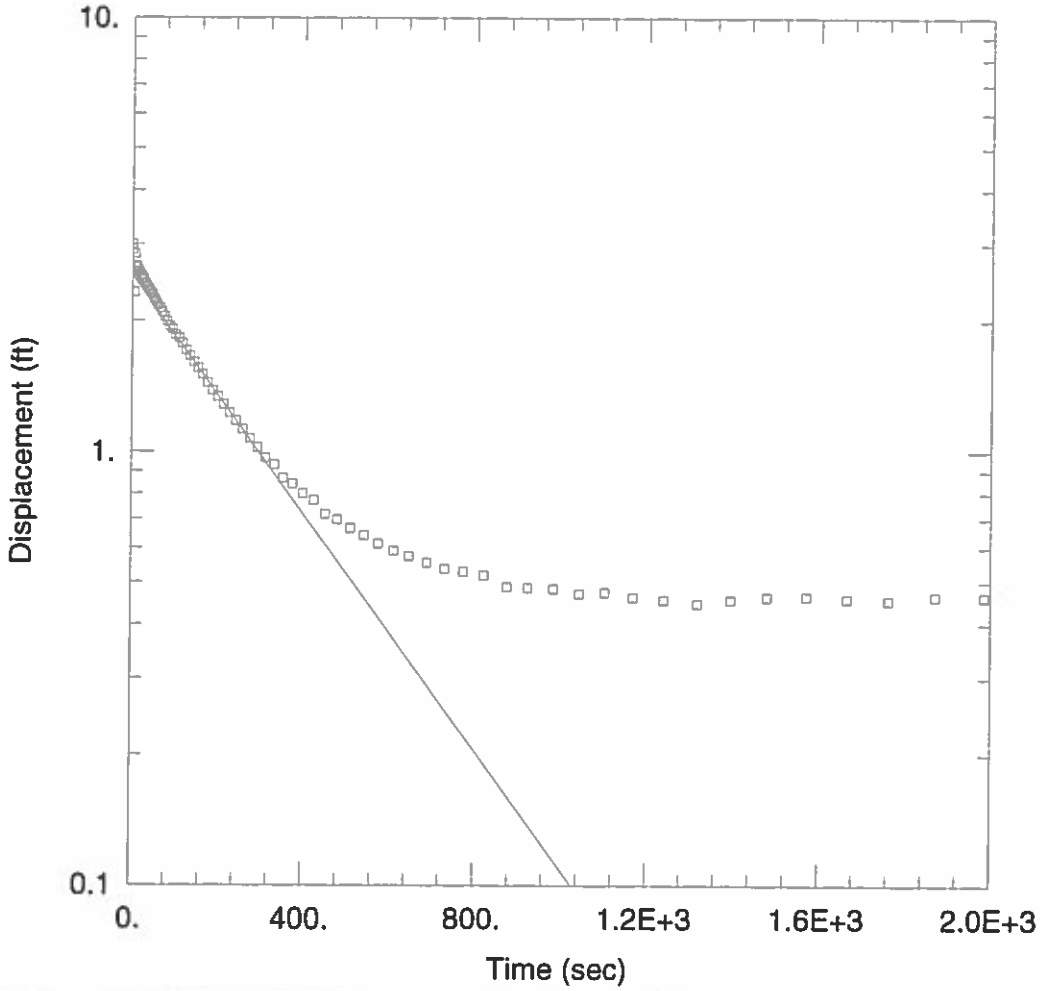
Saturated Thickness: 19.4 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11)

Initial Displacement: 2.606 ft
Total Well Penetration Depth: 40.4 ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.8 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
K = 1.886E-5 cm/sec
Solution Method: Bouwer-Rice
y0 = 2.127 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-12.aqt
Date: 07/22/14 Time: 11:51:50

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-12
Test Date: 6/27/14

AQUIFER DATA

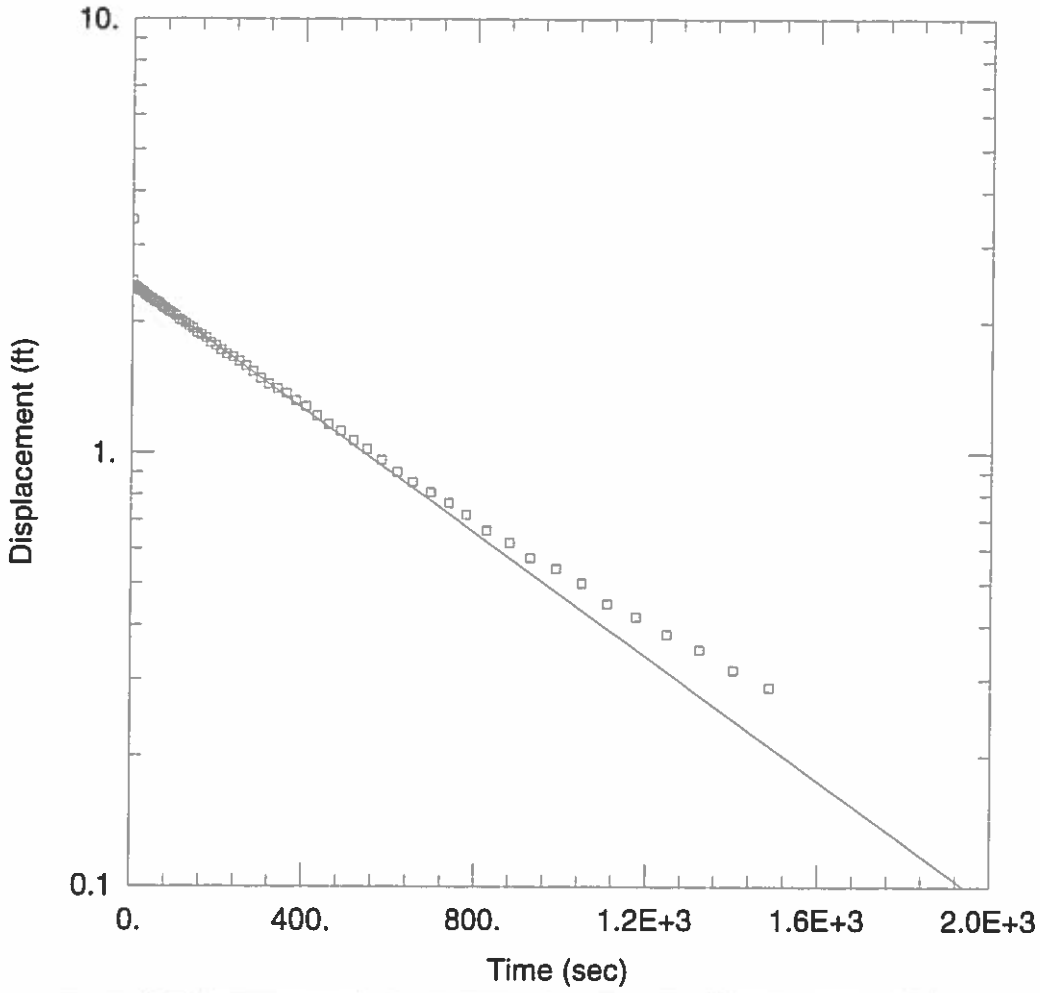
Saturated Thickness: 33. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12)

Initial Displacement: 2.997 ft
Total Well Penetration Depth: 68.3 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.3 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0001418 cm/sec
y0 = 2.529 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-14.aqt
Date: 07/22/14 Time: 11:52:00

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-14
Test Date: 6/27/14

AQUIFER DATA

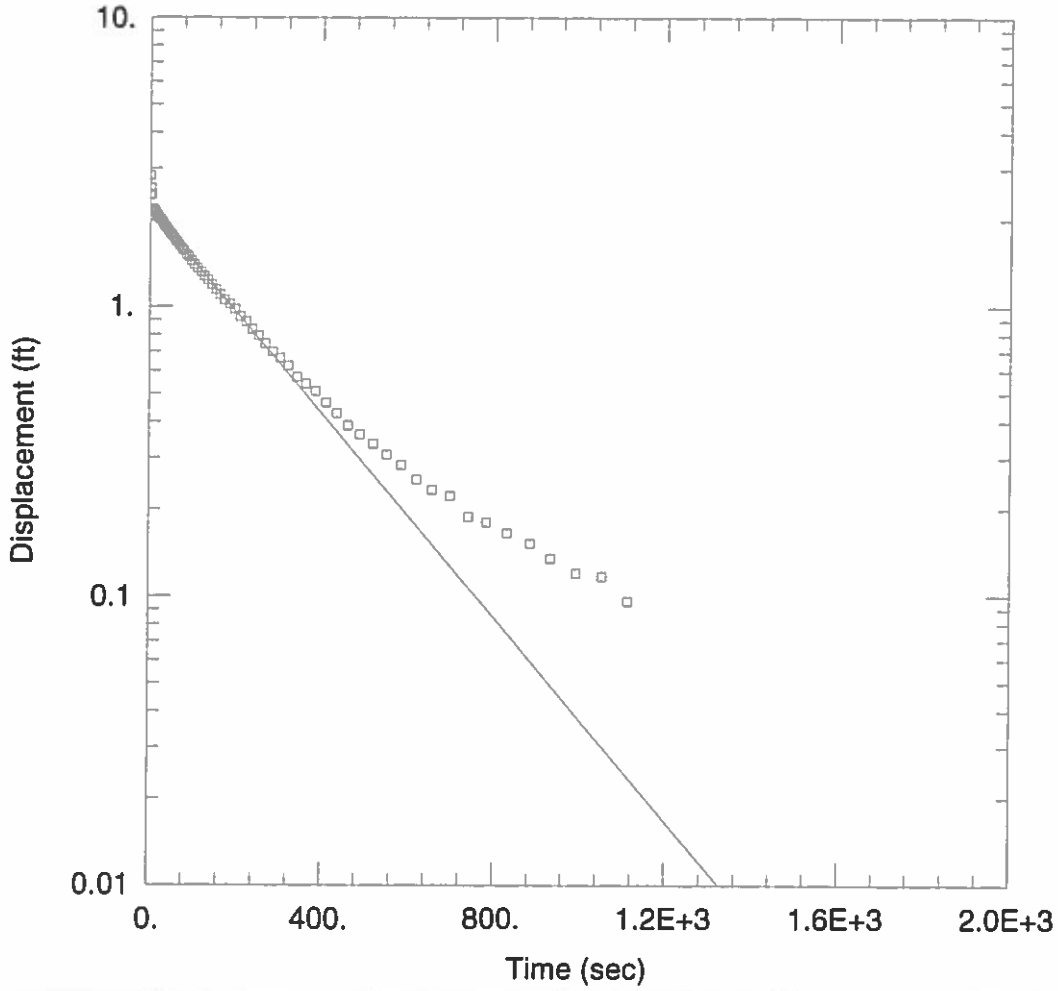
Saturated Thickness: 25. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-14)

Initial Displacement: 3.439 ft
Total Well Penetration Depth: 46. ft
Casing Radius: 0.083 ft
Static Water Column Height: 25. ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 7.046E-5 cm/sec
y0 = 2.435 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-16D.aqt
Date: 07/22/14 Time: 11:52:08

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-16D
Test Date: 6/27/14

AQUIFER DATA

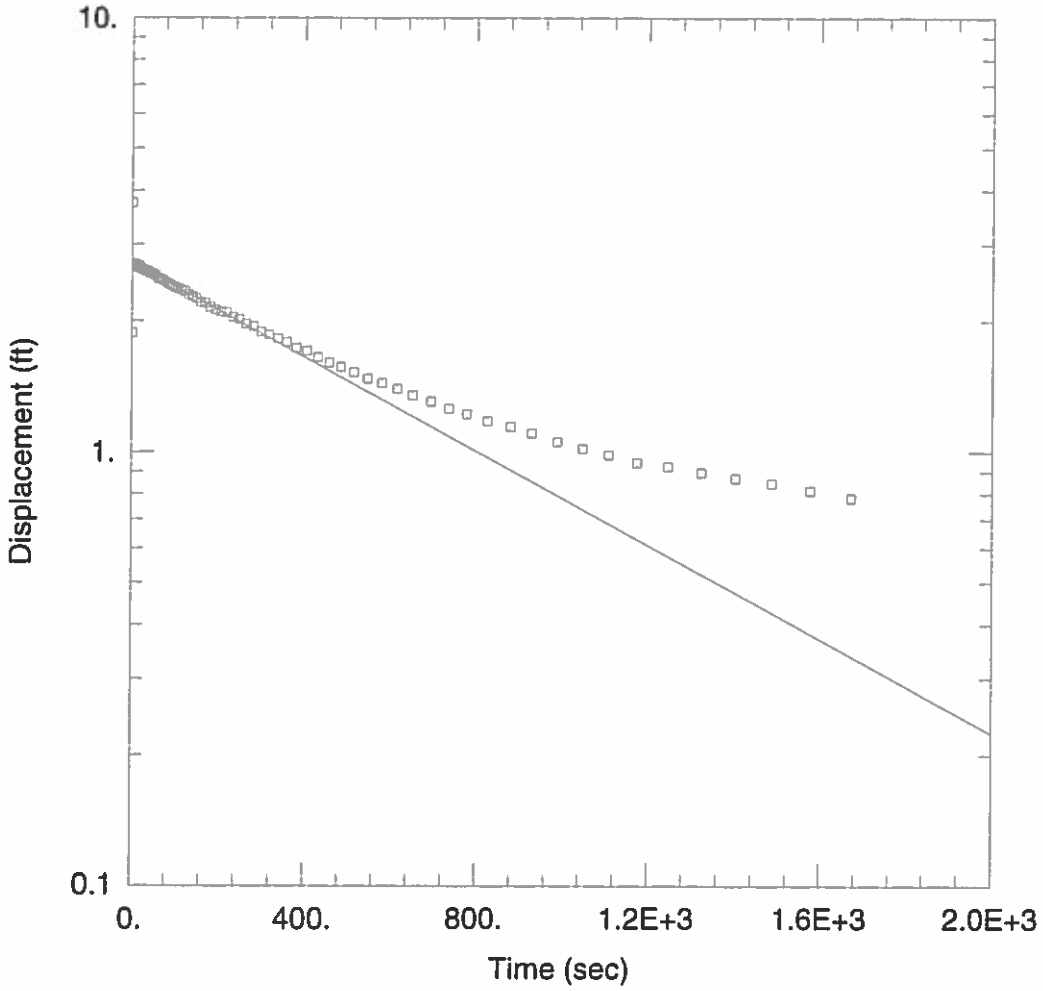
Saturated Thickness: 48.5 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-16D)

Initial Displacement: 2.834 ft
Total Well Penetration Depth: 75.8 ft
Casing Radius: 0.083 ft
Static Water Column Height: 48.3 ft
Screen Length: 5. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0003475 cm/sec
y0 = 2.16 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-18.aqt
Date: 07/22/14 Time: 11:52:18

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-18
Test Date: 6/27/14

AQUIFER DATA

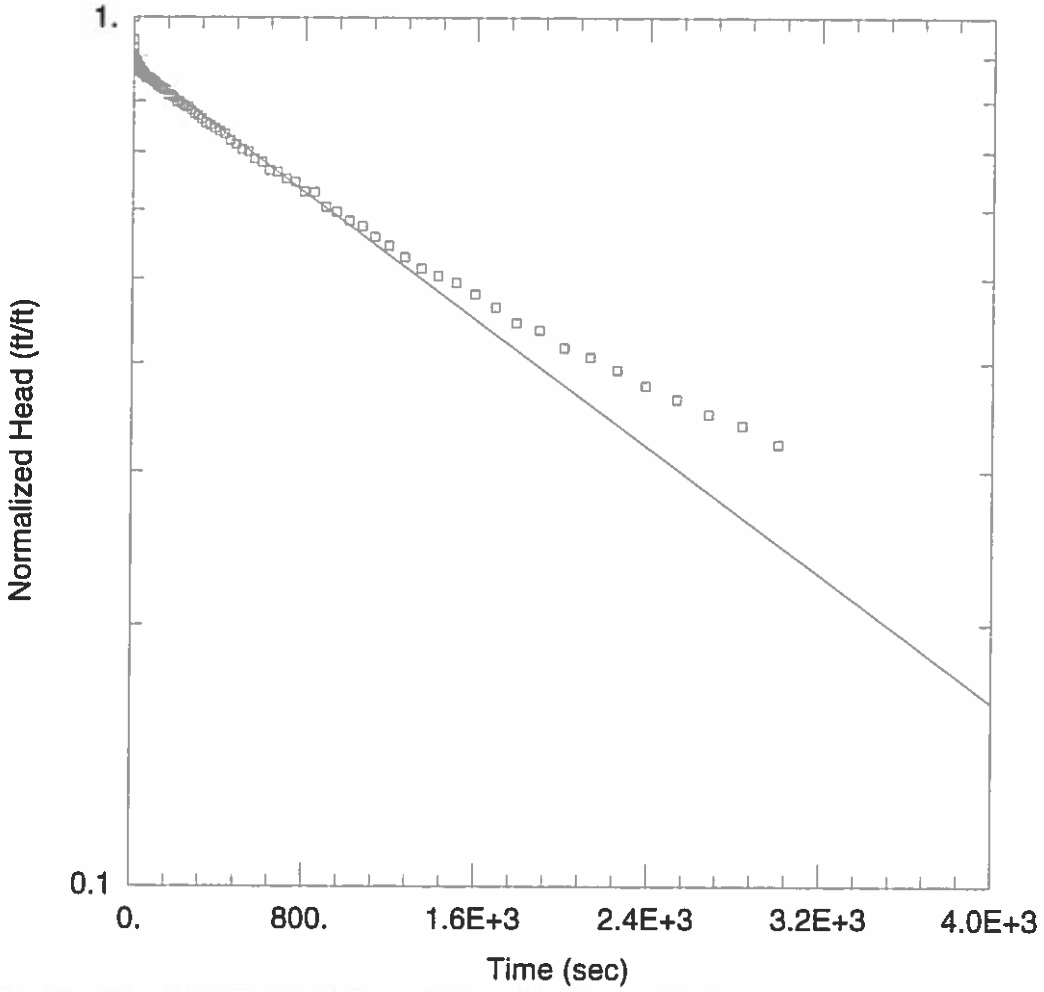
Saturated Thickness: 19.9 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-18)

Initial Displacement: 3.739 ft
Total Well Penetration Depth: 39. ft
Casing Radius: 0.083 ft
Static Water Column Height: 18.9 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.208E-5 cm/sec
y0 = 2.719 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-3R.aqt
Date: 07/22/14 Time: 11:53:18

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-3
Test Date: 6/26/14

AQUIFER DATA

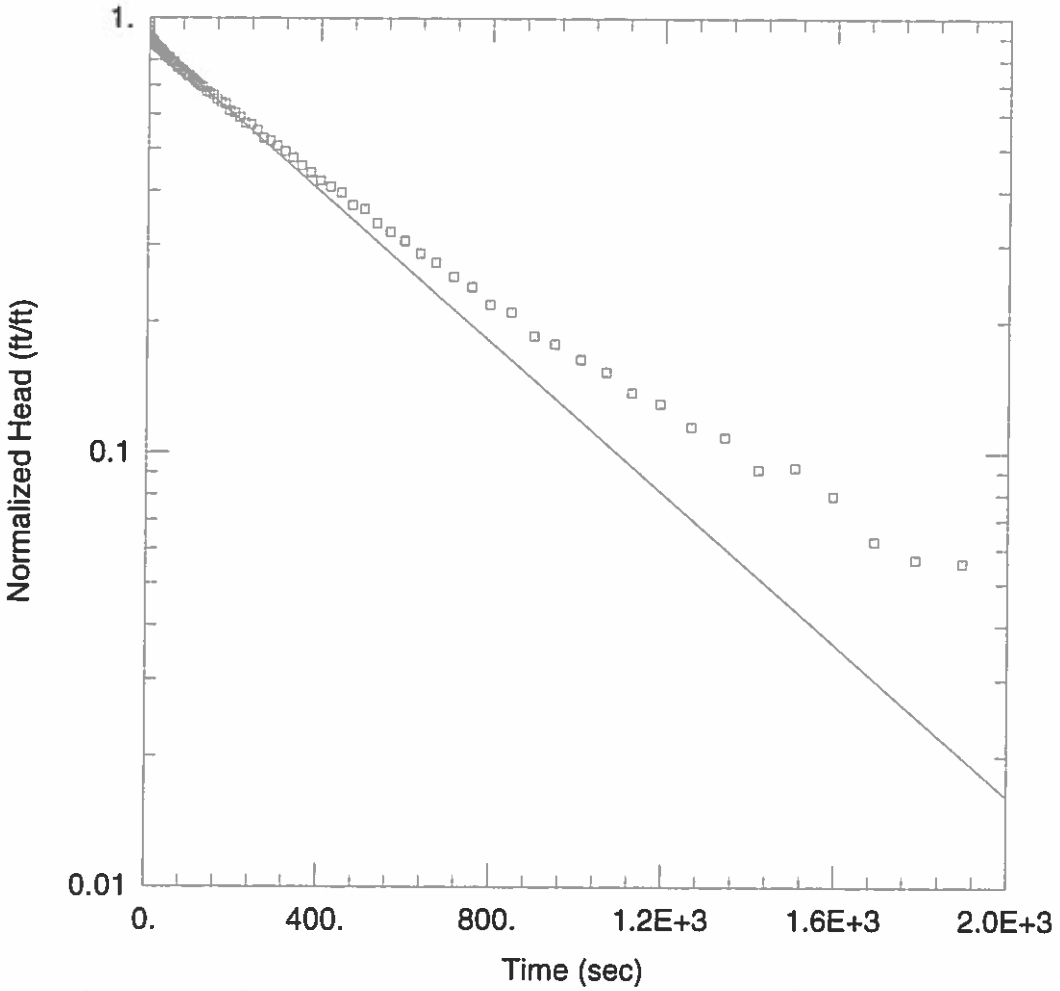
Saturated Thickness: 19.67 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: -2.335 ft
Total Well Penetration Depth: 47. ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.67 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.814E-5 cm/sec
y0 = -2.059 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW--6R.aqt
Date: 07/22/14 Time: 11:53:40

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-6
Test Date: 6/26/14

AQUIFER DATA

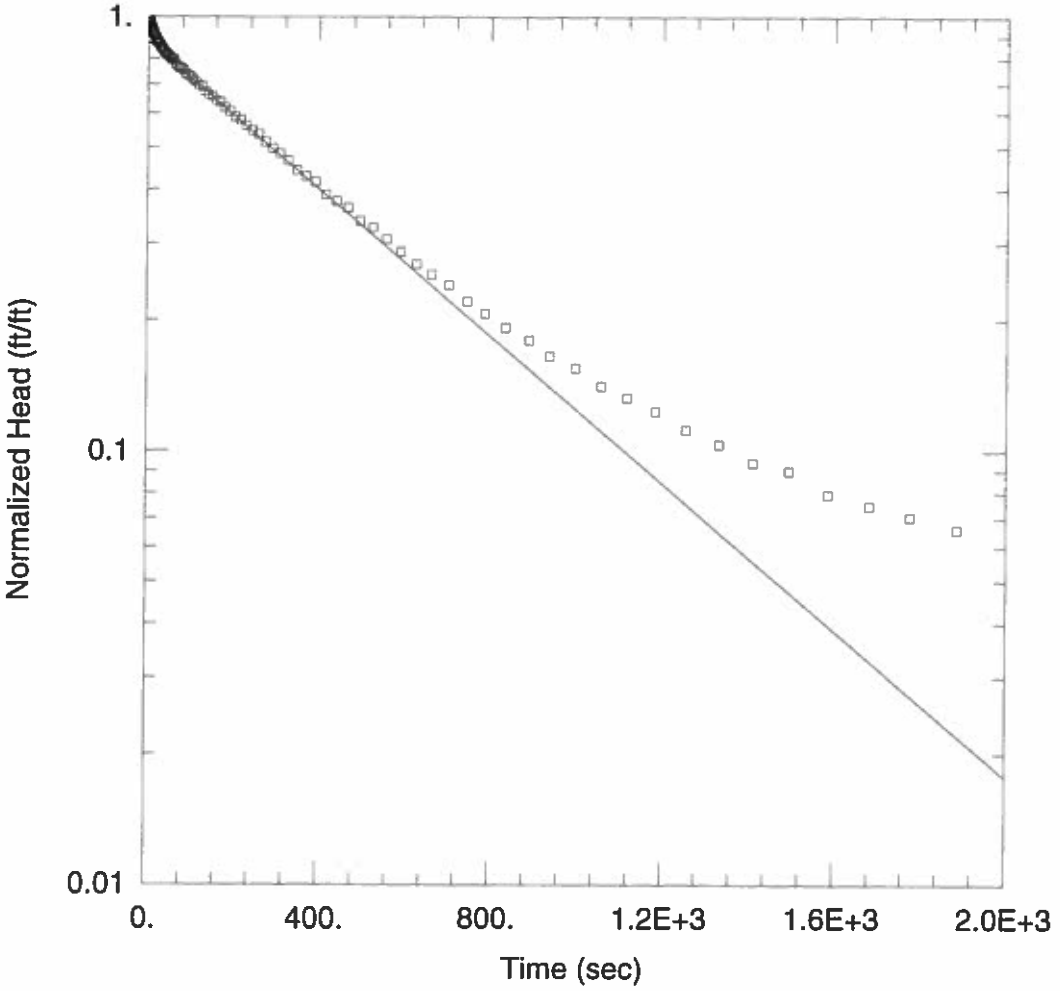
Saturated Thickness: 19.2 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6)

Initial Displacement: -1.936 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.2 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 8.345E-5 cm/sec
y0 = -1.725 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-8R.aqt
Date: 07/22/14 Time: 11:54:21

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-8
Test Date: 6/25/14

AQUIFER DATA

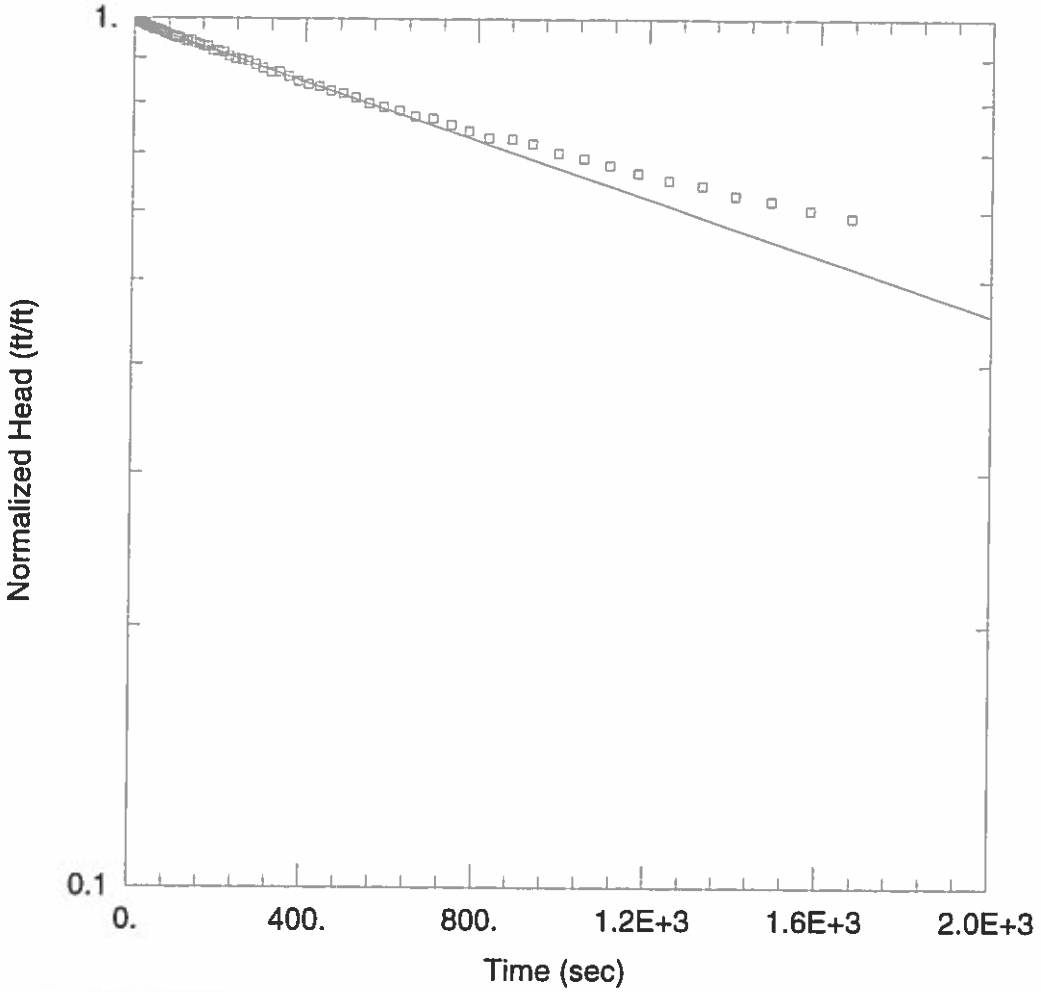
Saturated Thickness: 29.91 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-8)

Initial Displacement: -2.174 ft
Total Well Penetration Depth: 55.6 ft
Casing Radius: 0.083 ft
Static Water Column Height: 29.51 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 8.562E-5 cm/sec
y0 = -1.9 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-9R.aqt
Date: 07/22/14 Time: 11:54:44

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-9
Test Date: 6/25/14

AQUIFER DATA

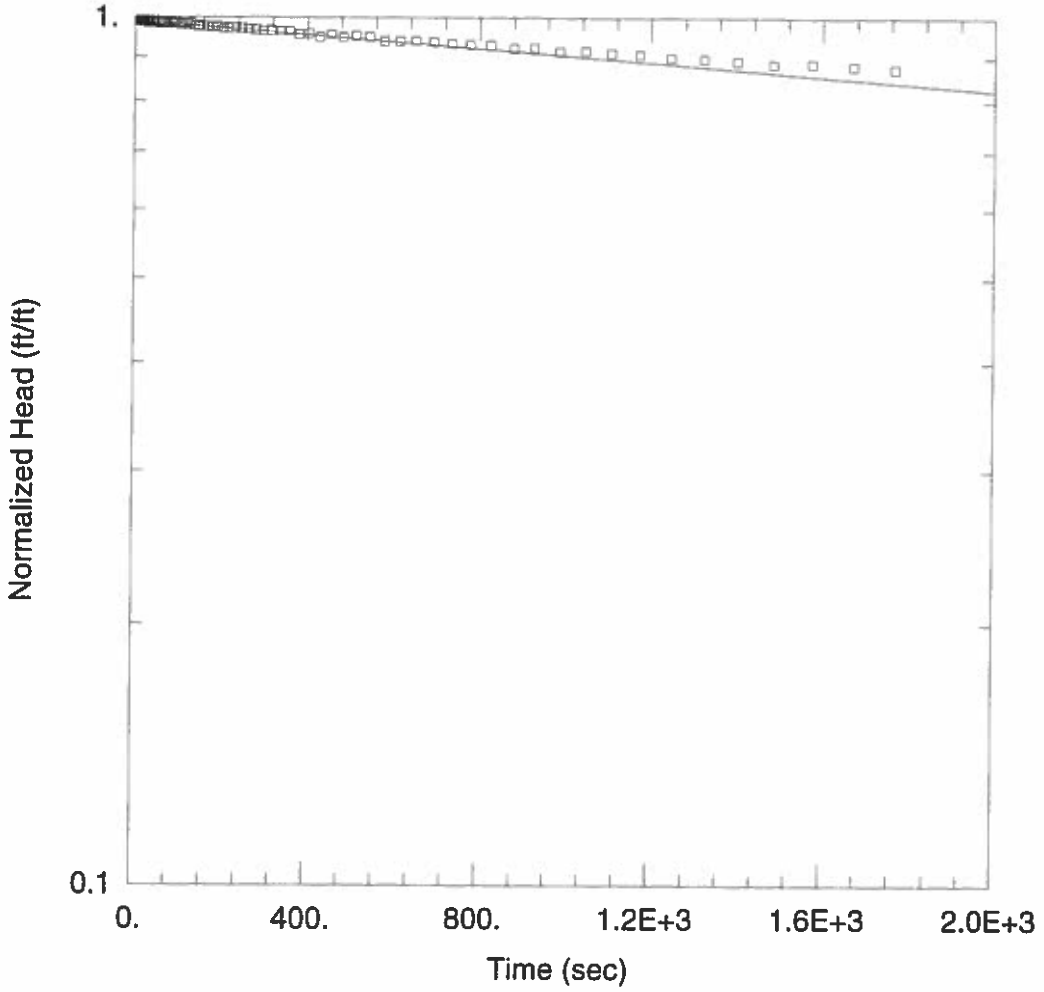
Saturated Thickness: 22.38 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9)

Initial Displacement: -2.55 ft
Total Well Penetration Depth: 52.3 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.68 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
K = 1.68E-5 cm/sec
Solution Method: Bouwer-Rice
y0 = -2.515 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-9DR.aqt
Date: 07/22/14 Time: 11:54:36

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-9D
Test Date: 6/25/14

AQUIFER DATA

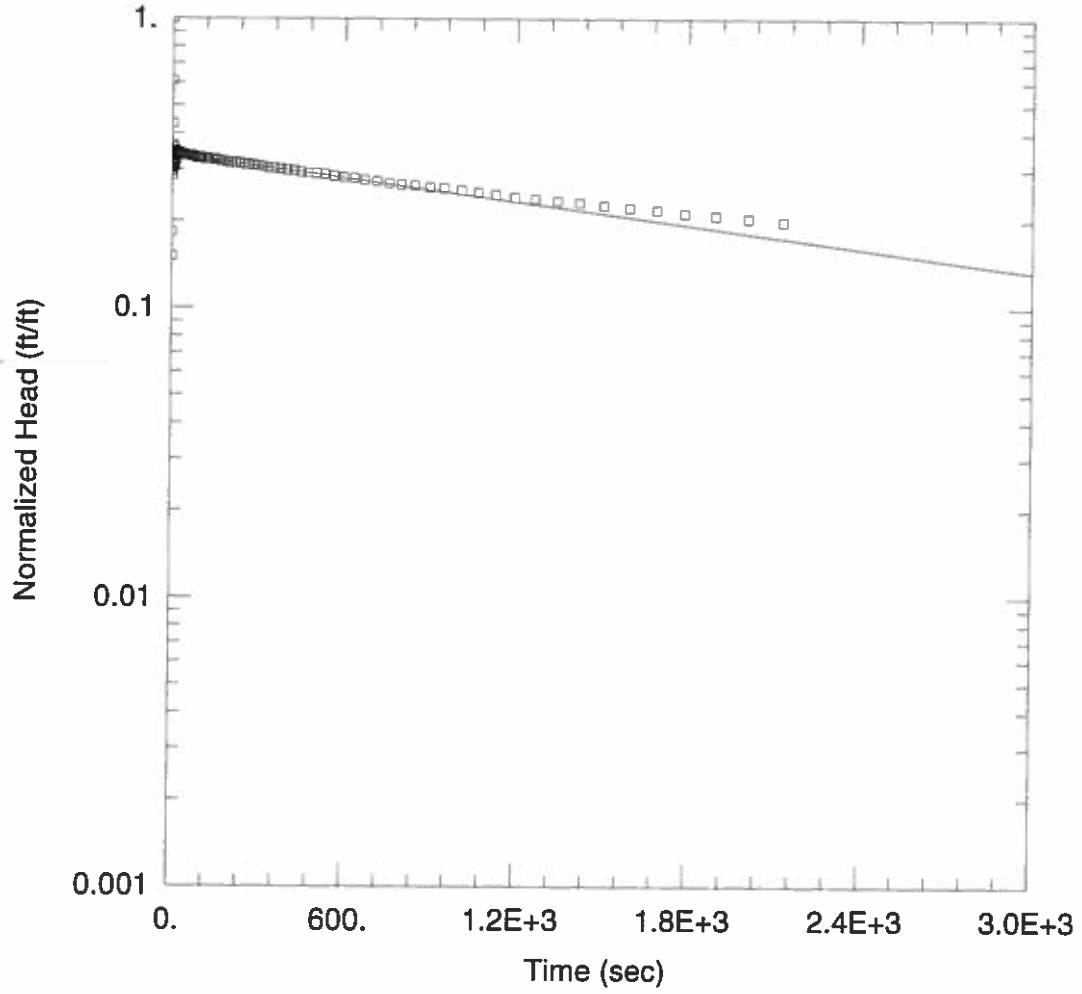
Saturated Thickness: 45.8 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9D)

Initial Displacement: -2.488 ft
Total Well Penetration Depth: 76.5 ft
Casing Radius: 0.083 ft
Static Water Column Height: 45.3 ft
Screen Length: 5. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 7.945E-6 cm/sec y0 = -2.467 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-11R.aqt
Date: 07/22/14 Time: 11:54:53

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-11
Test Date: 6/26/14

AQUIFER DATA

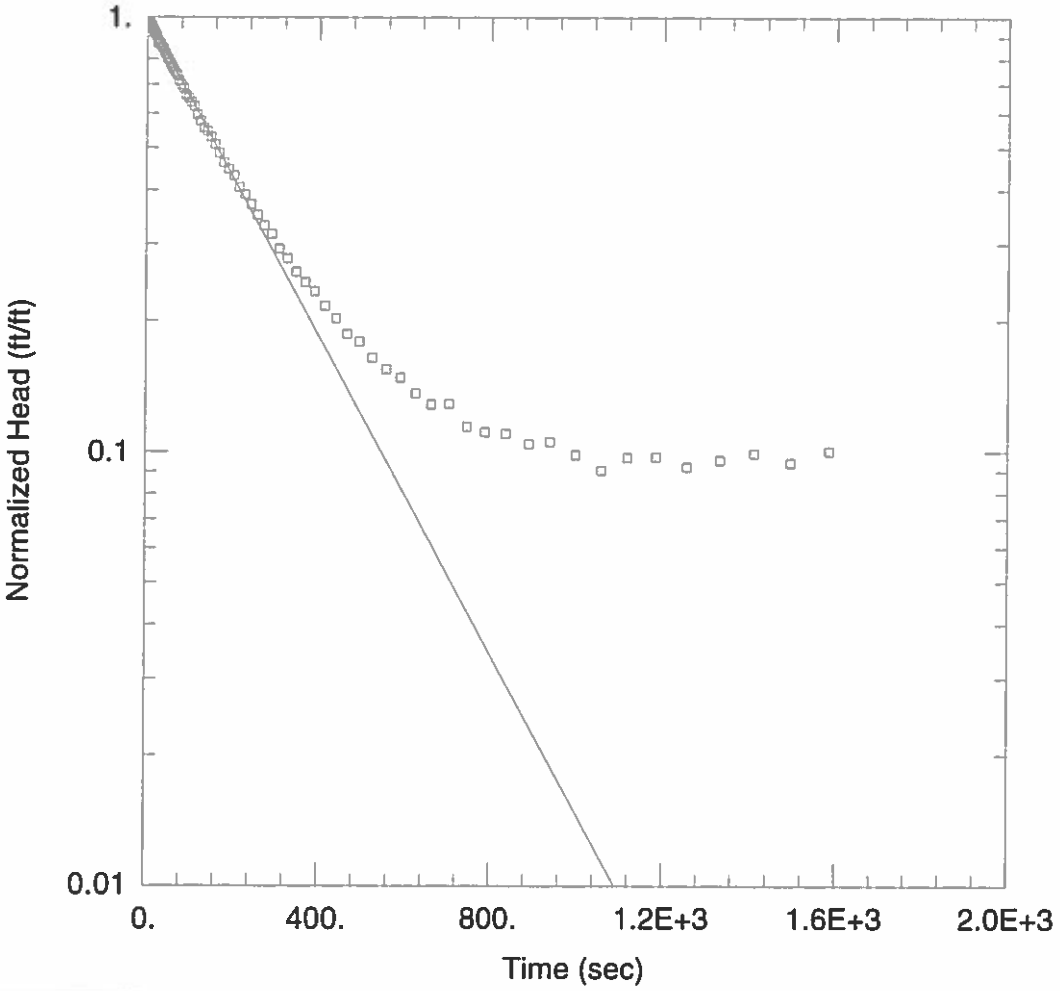
Saturated Thickness: 19.4 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11)

Initial Displacement: -5.971 ft
Total Well Penetration Depth: 40.4 ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.8 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
K = 1.31E-5 cm/sec
Solution Method: Bouwer-Rice
y0 = -2.02 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-12R.aqt
Date: 07/22/14 Time: 11:55:02

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-12
Test Date: 6/26/14

AQUIFER DATA

Saturated Thickness: 33. ft Anisotropy Ratio (Kz/Kr): 1.

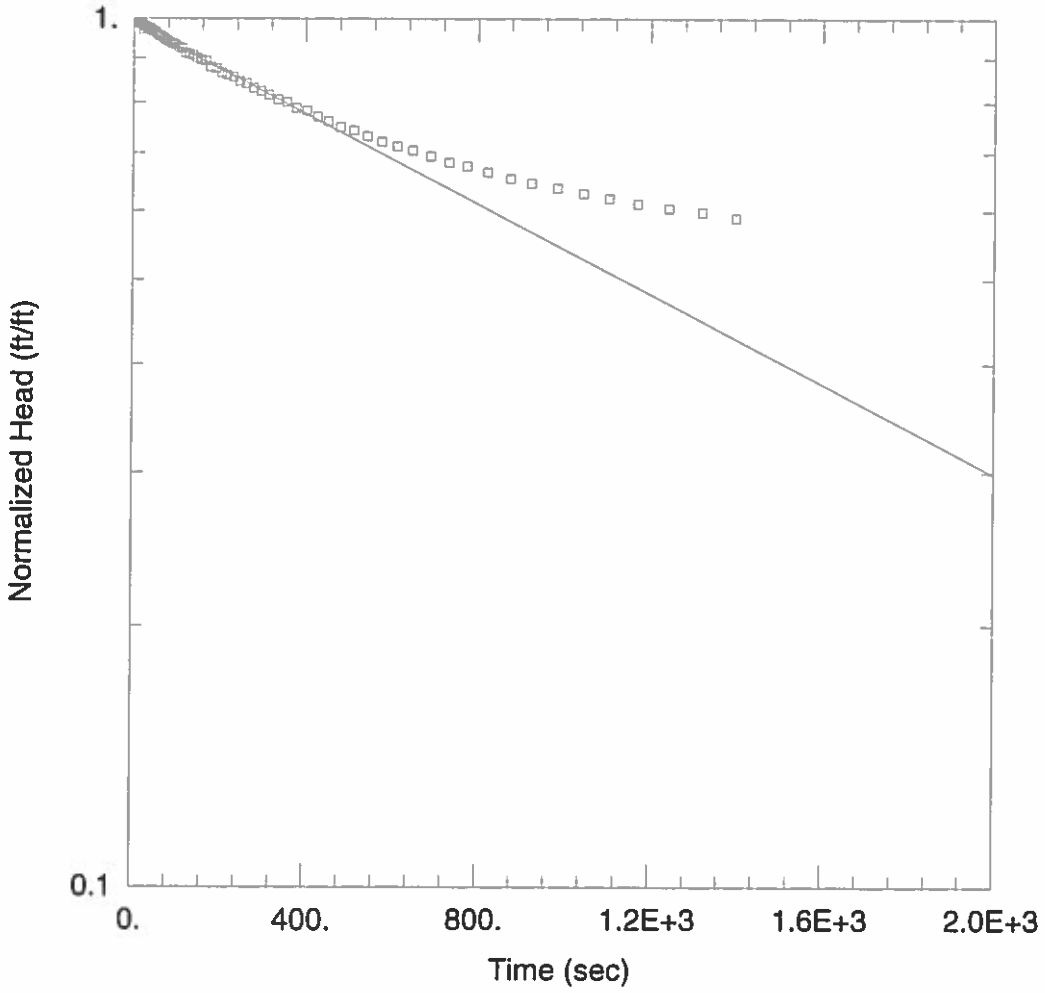
WELL DATA (MW-12)

Initial Displacement: -2.374 ft
Total Well Penetration Depth: 68.3 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.3 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0001903 cm/sec y0 = -2.358 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-14R.aqt
Date: 07/22/14 Time: 11:55:36

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-14
Test Date: 6/25/14

AQUIFER DATA

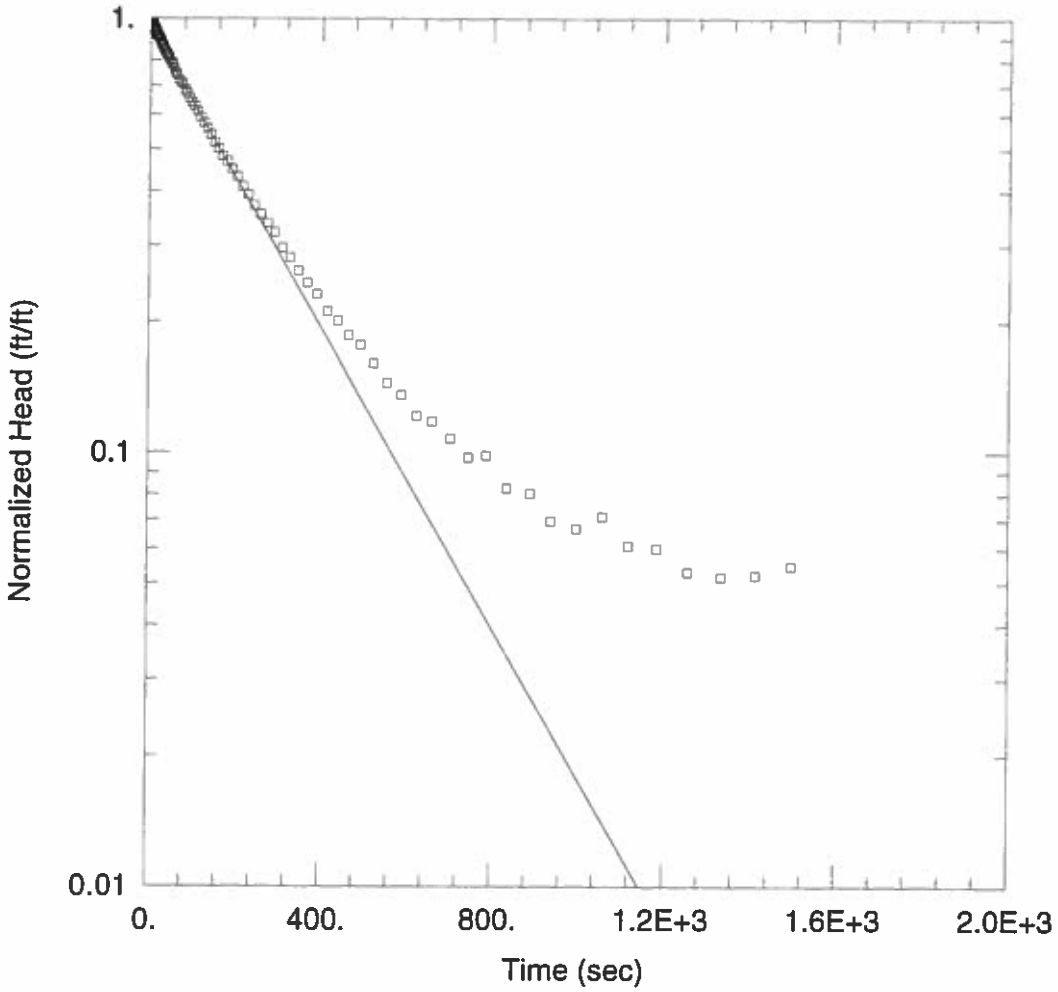
Saturated Thickness: 25. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-14)

Initial Displacement: -4.398 ft
Total Well Penetration Depth: 46. ft
Casing Radius: 0.083 ft
Static Water Column Height: 25. ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.553E-5 cm/sec
y0 = -4.335 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-16DR.aqt
Date: 07/22/14 Time: 11:55:48

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-16D
Test Date: 6/25/14

AQUIFER DATA

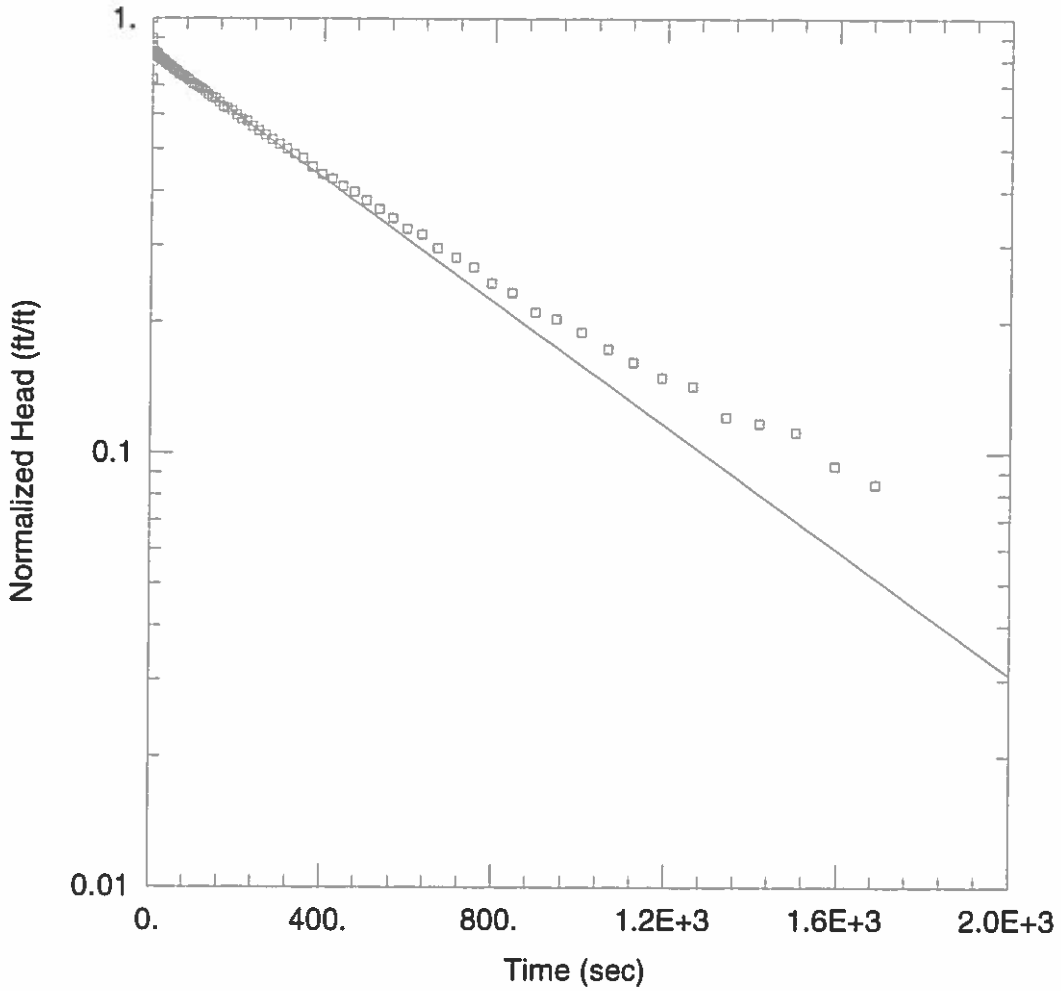
Saturated Thickness: 48.5 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-16D)

Initial Displacement: -2.25 ft
Total Well Penetration Depth: 75.8 ft
Casing Radius: 0.083 ft
Static Water Column Height: 48.3 ft
Screen Length: 5. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0003401 cm/sec
y0 = -2.137 ft



WELL TEST ANALYSIS

Data Set: J:\...\MW-18R.aqt
Date: 07/22/14 Time: 11:55:57

PROJECT INFORMATION

Company: URS
Client: Itron
Location: Greenwood, SC
Test Well: MW-18
Test Date: 6/25/14

AQUIFER DATA

Saturated Thickness: 23.9 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-18)

Initial Displacement: -2.281 ft
Total Well Penetration Depth: 39. ft
Casing Radius: 0.083 ft
Static Water Column Height: 18.9 ft
Screen Length: 10. ft
Well Radius: 0.166 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.885E-5 cm/sec
y0 = -1.895 ft

Appendix I: Analytical Summary Tables and Laboratory Reports

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-19			SB-20			SB-21				SB-22		SB-22A
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	0-1'	3-4'	18-19'	0-1'	10-11'	23-24'	0-1'	8-9'	27-28'		27-28'	29-30'	0-1'
Sample Date:					05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014		03/31/2014	03/31/2014	04/01/2014
Other:														(DUP)			
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.033 U	0.031 U	0.022 U	0.024 U	0.019 U	0.028 U	0.022 U	0.026 U	0.025 U	0.019 U	0.024 U	0.22 U	0.19 U
Benzene	0.0026	1.1	5.4	0.007	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Bromoform	0.021	62	220	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.017 U	0.015 U	0.011 U	0.012 U	0.0095 U	0.014 U	0.011 U	0.013 U	0.012 U	0.0093 U	0.012 U	0.11 U	0.096 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chlorobenzene	0.068	290	1,400	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chloroethane	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chloroform	0.022	0.29	1.5	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	**0.0042 J***	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Ethylbenzene	0.78	5.4	27	1.15	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
2-Hexanone	NSL	210	1400	NSL	0.017 U	0.015 U	0.011 U	0.012 U	0.0095 U	0.014 U	0.011 U	0.013 U	0.012 U	0.0093 U	0.012 U	0.11 U	0.096 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.017 U	0.015 U	0.011 U	0.012 U	0.0095 U	0.014 U	0.011 U	0.013 U	0.012 U	0.0093 U	0.012 U	0.11 U	0.096 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Methylene chloride	0.0013	56	960	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Styrene	0.11	6,300	36,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Tetrachloroethene	0.0023	22	110	NSL	**0.22 J**	**0.0022 J***	**0.068 J**	**0.12 J**	0.00088 J*	**0.012**	**0.22**	**0.017**	**0.065 J**	**0.13 J**	**0.16**	**0.29**	**0.092**
Toluene	0.69	5,000	45,000	1.45	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Xylenes (total)	9.8	630	2,700	14.5	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-23		SB-23A	SB-24		SB-25			SB-25A	SB-26			
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	25-26'	29-30'	4-5'	3-4'	24-25'	27-28'	28-29'		0-1'	1-2'	2-3'	3-4'	29-30'
Sample Date:					03/31/2014	03/31/2014	04/01/2014	03/31/2014	03/31/2014	03/31/2014	03/31/2014		04/01/2014	03/31/2014	03/31/2014	03/31/2014	03/31/2014
Other:												(DUP)					
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.023 U	0.023 U	0.022 U	0.033 U	0.025 U	0.026 U	1.3 U	1.2 U	1.1 U	4.3 U	1,200 U	2.2 U	1.1 U
Benzene	0.0026	1.1	5.4	0.007	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Bromoform	0.021	62	220	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.012 U	0.011 U	0.011 U	0.017 U	0.013 U	0.013 U	0.64 U	0.59 U	0.57 U	2.2 U	600 U	1.1 U	0.55 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chlorobenzene	0.068	290	1,400	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chloroethane	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chloroform	0.022	0.29	1.5	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0020 J*	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Ethylbenzene	0.78	5.4	27	1.15	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
2-Hexanone	NSL	210	1400	NSL	0.012 U	0.011 U	0.011 U	0.017 U	0.013 U	0.013 U	0.64 U	0.59 U	0.57 U	2.2 U	600 U	1.1 U	0.55 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.012 U	0.011 U	0.011 U	0.017 U	0.013 U	0.013 U	0.64 U	0.59 U	0.57 U	2.2 U	600 U	1.1 U	0.55 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Methylene chloride	0.0013	56	960	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Styrene	0.11	6,300	36,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Tetrachloroethene	0.0023	22	110	NSL	**0.45**	**0.19**	**0.32**	**0.0025 J***	**0.015**	**11**	**14**	**8.7**	**5.6**	**18**	**2,600**	**4.7**	**2.2**
Toluene	0.69	5,000	45,000	1.45	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	**0.0013 J***	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Xylenes (total)	9.8	630	2,700	14.5	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-26A	SB-27		SB-28			SB-29		SB-29A		SB-30		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	0-1'	7-8'	29-30'	14-15'	26-27'	29-30'	22-23'	27-28'	3-4'	14-15'	6-7'		19-20'
Sample Date:					04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/02/2014	04/02/2014	04/01/2014	(DUP)	04/01/2014
Other:																	
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.97 U	0.020 U	0.020 U	0.022 U	1.0 U	0.017 U	0.028	0.021 U	1.1 U	1.1 U	0.021 U	0.022 U	0.024 U
Benzene	0.0026	1.1	5.4	0.007	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Bromoform	0.021	62	220	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.48 U	0.010 U	0.010 U	0.011 U	0.5 U	0.0087 U	0.0064 J*	0.011 U	0.57 U	0.57 U	0.010 U	0.011 U	0.012 U
Carbon disulfide	0.0019	820	3,700	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chlorobenzene	0.068	290	1,400	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chloroethane	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chloroform	0.022	0.29	1.5	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0015 J*	0.00095 J*	0.0035 J*	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Cyclohexane	NSL	7,000	29,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0016 J*	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Ethylbenzene	0.78	5.4	27	1.15	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
2-Hexanone	NSL	210	1400	NSL	0.48 U	0.010 U	0.010 U	0.011 U	0.5 U	0.0087 U	0.010 U	0.011 U	0.57 U	0.57 U	0.010 U	0.011 U	0.012 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.48 U	0.010 U	0.010 U	0.011 U	0.5 U	0.0087 U	0.010 U	0.011 U	0.57 U	0.57 U	0.010 U	0.011 U	0.012 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Methylene chloride	0.0013	56	960	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Styrene	0.11	6,300	36,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Tetrachloroethene	0.0023	22	110	NSL	**31**	0.0051 U	**0.91**	**0.0030 J***	**0.62**	**2.4**	**4.6**	**18**	**0.95**	**0.073 J***	0.0049 U	0.0054 U	0.0010 J*
Toluene	0.69	5,000	45,000	1.45	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	**0.0015 J***	**0.0099**	**0.015**	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	**0.0039 J***	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Xylenes (total)	9.8	630	2,700	14.5	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-31		SB-32			SB-33		SB-33A		SB-34		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	6-7'	25-26'	7-8'	15-16'	20-21'	2-3'	8-9'	17-18'	22-23'	6-7'	17-18'	25-26'
Sample Date:					04/01/2014	04/01/2014	04/02/2014	04/02/2014	04/02/2014	04/01/2014	04/01/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014
Other:																
Volatile Organic Compounds (mg/kg)																
Acetone	NSL	61,000	630,000	NSL	0.021 U	0.023 U	0.028 U	0.024 U	0.021 U	0.0085 J*	0.019 U	1.3 U	0.023 U	0.025 U	0.026 U	1.2 UJ
Benzene	0.0026	1.1	5.4	0.007	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Bromoform	0.021	62	220	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.010 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.0096 U	0.67 U	0.012 U	0.012 U	0.013 U	0.61 UJ
Carbon disulfide	0.0019	820	3,700	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chlorobenzene	0.068	290	1,400	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chloroethane	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chloroform	0.022	0.29	1.5	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Cyclohexane	NSL	7,000	29,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Ethylbenzene	0.78	5.4	27	1.15	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
2-Hexanone	NSL	210	1400	NSL	0.010 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.0096 U	0.67 U	0.012 U	0.012 U	0.013 U	0.61 UJ
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.010 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.0096 U	0.67 U	0.012 U	0.012 U	0.013 U	0.61 UJ
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Methylene chloride	0.0013	56	960	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Styrene	0.11	6,300	36,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Tetrachloroethene	0.0023	22	110	NSL	0.00055 J*	**0.0061**	0.400 U	**0.0048 J***	**0.33**	0.00071 J*	0.00058 J*	**0.62**	**0.097**	0.00082 J*	**0.030**	**4.3 J**
Toluene	0.69	5,000	45,000	1.45	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Trichloroethene	0.0018	0.91	6.4	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Xylenes (total)	9.8	630	2,700	14.5	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-35			SB-36			SB-37		SB-38		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	7-8'	17-18'	25-26'	5-6'	18-19'	26-27'	4-5'	23-24'	0-1'	16-17'	24-25'
Sample Date:					04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014
Other:															
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	0.026 U	1.3 U	1.2 U	0.026 U	0.025 U	0.022 U	0.45 J*	1.6 UJ	0.024 U	0.027 U	0.021 U
Benzene	0.0026	1.1	5.4	0.007	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Bromoform	0.021	62	220	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.013 U	0.65 U	0.61 U	0.013 U	0.013 U	0.011 U	0.63 U	0.81 UJ	0.012 U	0.013 U	0.010 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chlorobenzene	0.068	290	1,400	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chloroethane	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chloroform	0.022	0.29	1.5	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Ethylbenzene	0.78	5.4	27	1.15	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.58 J	0.0059 U	0.0067 U	0.0052 U
2-Hexanone	NSL	210	1400	NSL	0.013 U	0.65 U	0.61 U	0.013 U	0.013 U	0.011 U	0.63 U	0.81 UJ	0.012 U	0.013 U	0.010 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	1.6 J	0.0059 U	0.0067 U	0.00072 J*
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.013 U	0.65 U	0.61 U	0.013 U	0.013 U	0.011 U	0.63 U	0.81 UJ	0.012 U	0.013 U	0.010 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.42 J	0.0059 U	0.0067 U	0.0052 U
Methylene chloride	0.0013	56	960	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Styrene	0.11	6,300	36,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Tetrachloroethene	0.0023	22	110	NSL	**0.040**	**1.1**	**0.38**	0.0065 U	0.00067 J*	**0.0061**	**0.27 J***	**0.14 J***	0.0012 J*	0.0067 U	0.0052 U
Toluene	0.69	5,000	45,000	1.45	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Xylenes (total)	9.8	630	2,700	14.5	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	4.8 J	0.0059 U	0.0067 U	0.0052 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-39			SB-40		SB-41			SB-42		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	5-6'	14-15'	22-23'	17-18'	23-24'	1-2'	14-15'	23-24'	0-1'	14-15'	23-24'
Sample Date:					04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/09/2014	04/09/2014	04/09/2014
Other:															
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	1.1 U	1.5 U	2.4 U	1.3 U	1.2 U	0.023 U	1.3 UJ	1.3 UJ	1.2 UJ	0.028 U	1.4 U
Benzene	0.0026	1.1	5.4	0.007	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Bromoform	0.021	62	220	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.54 U	0.75 U	1.2 U	0.64 U	0.58 U	0.011 U	0.66 UJ	0.63 UJ	0.59 UJ	0.014 U	0.71 U
Carbon disulfide	0.0019	820	3,700	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chlorobenzene	0.068	290	1,400	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chloroethane	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chloroform	0.022	0.29	1.5	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Cyclohexane	NSL	7,000	29,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.049 J	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.20 J*
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Ethylbenzene	0.78	5.4	27	1.15	0.27 U	0.61	0.72	0.32 U	0.63	0.0057 U	0.23 J*	0.20 J*	0.29 UJ	0.0070 U	0.22 J*
2-Hexanone	NSL	210	1400	NSL	0.54 U	0.75 U	1.2 U	0.64 U	4.0	0.011 U	0.66 UJ	0.63 UJ	0.59 UJ	0.014 U	0.71 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.054 J*	2.7	4.6	0.11 J*	2.7	0.0057 U	1.8 J*	1.4 J	0.29 UJ	0.0070 U	2.0
Methyl acetate	NSL	78,000	1,000,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.54 U	0.75 U	1.2 U	0.64 U	0.58 U	0.011 U	0.66 UJ	0.63 UJ	0.59 UJ	0.014 U	0.71 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.27 U	0.47	0.50 J*	0.32 U	0.38	0.0057 U	0.12 J*	0.14 J*	0.29 UJ	0.0070 U	0.4
Methylene chloride	0.0013	56	960	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Styrene	0.11	6,300	36,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Tetrachloroethene	0.0023	22	110	NSL	0.27 U	0.37 U	0.59 U	0.32 U	**2.3**	**0.034**	**2.2 J**	**0.79 J**	**22 J**	0.0020 J*	**39**
Toluene	0.69	5,000	45,000	1.45	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.29 J*
Trichlorofluoromethane	NSL	790	3,400	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Xylenes (total)	9.8	630	2,700	14.5	0.27 U	4.3	**10**	0.32 U	4.7	0.0057 U	4.1 J	3.3 J	0.29 UJ	0.0070 U	3.5

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-43				SB-44		SB-45				
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	7-8'	10-11'	19-20'		11-12'	24-25'	0-1'	3-4'	15-16'		21-22'
Sample Date:					04/09/2014	04/09/2014	04/09/2014		04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014		04/03/2014
Other:								(DUP)						(DUP)	
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	1.1 UJ	1.2 UJ	1.3 U	1.2 U	0.012 J	45 U	0.075	260 U	35 U	320 U	52 U
Benzene	0.0026	1.1	5.4	0.007	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Bromoform	0.021	62	220	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.57 UJ	0.60 UJ	0.63 U	0.60 U	0.0099 U	22 U	0.010 J*	130 U	18 U	160 U	26 U
Carbon disulfide	0.0019	820	3,700	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chlorobenzene	0.068	290	1,400	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chloroethane	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chloroform	0.022	0.29	1.5	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Cyclohexane	NSL	7,000	29,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.077 J*	0.21 J*	0.17 J*	0.17 J*	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Ethylbenzene	0.78	5.4	27	1.15	0.29 UJ	0.15 J*	**1.3**	**1.1**	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
2-Hexanone	NSL	210	1400	NSL	0.57 UJ	0.60 UJ	0.63 U	0.60 U	0.0099 U	22 U	0.014 U	130 U	18 U	160 U	26 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.072 J*	0.47 J	6.8	4.4	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.57 UJ	0.60 UJ	0.63 U	0.30 U	0.0099 U	22 U	0.014 U	130 U	18 U	160 U	26 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.065 J*	0.32 J	0.93	0.73	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Methylene chloride	0.0013	56	960	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	**46**
Styrene	0.11	6,300	36,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Tetrachloroethene	0.0023	22	110	NSL	**32 J**	**71 J**	**61**	**67**	**0.0038 J***	**220**	**18**	**1,300**	**6,300**	**4,600**	**7,300**
Toluene	0.69	5,000	45,000	1.45	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.42 J	0.86 J	0.32	0.25 J*	0.0050 U	11 U	0.017	66 U	8.8 U	80 U	13 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Xylenes (total)	9.8	630	2,700	14.5	0.19 J*	1.1 J	11	9.2	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-46			SB-47			SB-48			SB-49		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	3-4'	15-16'	25-26'	0-1'	6-7'	24-25'	2-3'	14-15'	25-26'	3-4'	12-13'	23-24'
Sample Date:					04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014
Other:																
Volatile Organic Compounds (mg/kg)																
Acetone	NSL	61,000	630,000	NSL	1.3 U	14 UJ	12 U	0.022 U	0.028 U	1.3 U	1.0 U	1.2 U	0.022 U	1.0 U	0.027 U	0.024
Benzene	0.0026	1.1	5.4	0.007	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Bromoform	0.021	62	220	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.64 U	7.2 UJ	6.1 U	0.011 U	0.014 U	0.63 U	0.52 U	0.59 U	0.011 U	0.52 U	0.013 U	0.012 U
Carbon disulfide	0.0019	820	3,700	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chlorobenzene	0.068	290	1,400	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chloroethane	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chloroform	0.022	0.29	1.5	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Cyclohexane	NSL	7,000	29,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.54	0.0067 U	0.0059 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Ethylbenzene	0.78	5.4	27	1.15	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
2-Hexanone	NSL	210	1400	NSL	0.64 U	7.2 UJ	6.1 U	0.011 U	0.014 U	0.63 U	0.52 U	0.59 U	0.011 U	0.52 U	0.013 U	0.012 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.36	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.64 U	7.2 UJ	6.1 U	0.011 U	0.014 U	0.63 U	0.52 U	0.59 U	0.011 U	0.52 U	0.013 U	0.012 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	0.41 J*	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Methylene chloride	0.0013	56	960	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Styrene	0.11	6,300	36,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Tetrachloroethene	0.0023	22	110	NSL	**330**	**1,700 J**	**2,900**	**0.074**	**0.0040 J***	**0.36**	**18**	**2.7**	**0.053**	**8.0**	**0.094**	**0.45**
Toluene	0.69	5,000	45,000	1.45	0.32 U	3.6 UJ	1.1 J*	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.28 J*	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.71	0.30 U	0.0054 U	0.19 J*	0.0067 U	0.0059 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Xylenes (total)	9.8	630	2,700	14.5	0.32 U	3.6 UJ	2.3 J*	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-50			SB-51			SB-52			SB-53		SB-54	
Depth (feet bgs): / Sample Date: / Other:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	0-1' 04/09/2014	10-11' 04/09/2014	19-20' 04/09/2014	2-3' 04/03/2014	9-10' 04/03/2014	23-24' 04/03/2014	6-7' 04/04/2014	9-10' 04/04/2014	18-19' 04/04/2014	1-2' 04/02/2014	24-25' 04/02/2014	1-2' 04/04/2014	24-25' 04/04/2014
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.018 U	0.027 U	0.021 U	0.021 U	0.024 U	0.028 U	0.022 U	0.021 U	0.031 U	0.025 U	0.019 U	0.029 U	0.021 U
Benzene	0.0026	1.1	5.4	0.007	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Bromoform	0.021	62	220	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.0088 U	0.014 U	0.011 U	0.010 U	0.012 U	0.014 U	0.011 U	0.011 U	0.016 U	0.013 U	0.0094 U	0.015 U	0.010 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chlorobenzene	0.068	290	1,400	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chloroethane	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chloroform	0.022	0.29	1.5	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Ethylbenzene	0.78	5.4	27	1.15	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
2-Hexanone	NSL	210	1400	NSL	0.0088 U	0.014 U	0.011 U	0.010 U	0.012 U	0.014 U	0.011 U	0.011 U	0.016 U	0.013 U	0.0094 U	0.015 U	0.010 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.0088 U	0.014 U	0.011 U	0.010 U	0.012 U	0.014 U	0.011 U	0.011 U	0.016 U	0.013 U	0.0094 U	0.015 U	0.010 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Methylene chloride	0.0013	56	960	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Styrene	0.11	6,300	36,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Tetrachloroethene	0.0023	22	110	NSL	**0.026**	0.00092 J*	0.0053 U	**0.18**	**0.10**	**0.16**	0.00056 J*	0.00064 J*	**0.0040 J***	**0.014**	**0.099**	0.0074 U	0.0052 U
Toluene	0.69	5,000	45,000	1.45	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Xylenes (total)	9.8	630	2,700	14.5	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-55			SB-56				SB-57			SB-58		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	11-12'	24-25'		0-1'	13-14'	28-29'		0-1'	4-5'	9-10'	4-5'	9-10'	23-24'
Sample Date:					04/04/2014	04/04/2014		04/08/2014	04/08/2014	04/08/2014		05/10/2014	05/10/2014	05/10/2014	04/08/2014	04/08/2014	04/08/2014
Other:							(DUP)				(DUP)						
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.025 UJ	1.1 U	1.1 U	0.021 U	1.4 U	2.4 U	1.2 U	0.030 U	0.024 U	0.024 U	0.023 U	0.021 U	1.1 U
Benzene	0.0026	1.1	5.4	0.007	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Bromoform	0.021	62	220	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.013 U	0.57 U	0.55 U	0.010 U	0.70 U	1.2 U	0.62 U	0.015 U	0.012 U	0.012 U	0.012 U	0.010 U	0.56 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chlorobenzene	0.068	290	1,400	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chloroethane	NSL	NSL	NSL	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chloroform	0.022	0.29	1.5	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	**0.0028 J***	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Ethylbenzene	0.78	5.4	27	1.15	0.0063 U	0.29	0.28 U	0.0052 U	0.42 J	**2.2 J**	0.31 UJ	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
2-Hexanone	NSL	210	1400	NSL	0.013 U	0.57 U	0.55 U	0.010 U	0.70 U	1.2 U	0.62 U	0.015 U	0.012 U	0.012 U	0.012 U	0.010 U	0.56 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0063 U	1.5 J	0.75 J	0.0052 U	0.55 J	2.7 J	0.042 J*	0.0074 U	0.0060 U	0.0059 U	0.0020 J*	0.0052 U	0.28 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.013 U	0.57 U	0.55 U	0.010 U	0.7 U	1.2 U	0.62 U	0.015 U	0.0060 U	0.012 U	0.012 U	0.010 U	0.56 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0063 U	1.1 J	0.62 J	0.0052 U	0.075 J*	2.3 J	0.066 J*	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Methylene chloride	0.0013	56	960	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Styrene	0.11	6,300	36,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Tetrachloroethene	0.0023	22	110	NSL	0.0008 J*	**0.051 J***	**0.038 J***	0.0052 U	**0.042 J***	0.60 U	0.31 U	0.0011 J*	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Toluene	0.69	5,000	45,000	1.45	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Xylenes (total)	9.8	630	2,700	14.5	0.0063 U	3.9	1.4	0.0052 U	1.1 J	15 J	0.31 UJ	0.0074 U	0.0060 U	0.0059 U	0.0053 J*	0.0052 U	0.28 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-59		SB-60		MW-5D		MW-9D			MW-10D		MW-12	
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	2-3'	3-4'	3-4'	4-5'	1-2'	21-22'	0-1'	15-16'	64-65'	7-8'	22-23'	0-1'	33-34'
Sample Date:					05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/13/2014	05/13/2014	05/14/2014	05/14/2014	05/14/2014	05/15/2014	05/15/2014	05/12/2014	05/12/2014
Other:																	
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.030 J*	0.086	0.011 J*	0.020 U	0.019 U	0.026 U	0.030 U	0.023 U	NA	0.026 U	0.026 U	0.080 J	0.022 U
Benzene	0.0026	1.1	5.4	0.007	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Bromoform	0.021	62	220	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.016 U	0.013 U	0.015 U	0.010 U	0.0093 U	0.013 U	0.015 U	0.012 U	NA	0.013 U	0.013 U	0.013 U	0.011 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Chlorobenzene	0.068	290	1,400	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Chloroethane	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Chloroform	0.022	0.29	1.5	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
Ethylbenzene	0.78	5.4	27	1.15	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
2-Hexanone	NSL	210	1400	NSL	0.016 U	0.013 U	0.015 U	0.010 U	0.0093 U	0.013 U	0.015 U	0.012 U	NA	0.013 U	0.013 U	0.013 U	0.011 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0079 U	0.048	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.016 U	0.013 U	0.015 U	0.010 U	0.0093 U	0.013 U	0.015 U	0.012 U	NA	0.013 U	0.013 U	0.013 U	0.011 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Methylene chloride	0.0013	56	960	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
Styrene	0.11	6,300	36,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0064 U	0.0054 U
Tetrachloroethene	0.0023	22	110	NSL	**0.035**	**0.035**	**0.0045 J***	**0.0034 J***	0.0017 J*	**0.0066 J**	**0.0032 J***	**0.0025 J***	NA	**0.23**	**1.7**	**0.025**	**0.47 EJ**
Toluene	0.69	5,000	45,000	1.45	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U
Xylenes (total)	9.8	630	2,700	14.5	0.0079 U	0.0046 J*	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0064 U	0.0054 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				MW-13			MW-14			MW-15				
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	1-2'	25-26'	36-37'	13-14'	20-21'	44'-45'	7-8'	16-17'		23-24'	31-32'
Sample Date:					05/15/2014	05/15/2014	05/15/2014	05/14/2014	05/14/2014	05/14/2014	05/14/2014	05/14/2014	05/13/2014 (DUP)	05/14/2014	05/14/2014
Other:															
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	0.018 J*	0.023 U	NA	0.025 U	0.020 U	NA	0.024 U	0.026 U	0.024 U	0.028 U	NA
Benzene	0.0026	1.1	5.4	0.007	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Bromoform	0.021	62	220	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.013 U	0.011 U	NA	0.013 U	0.010 U	NA	0.012 U	0.013 U	0.012 U	0.014 U	NA
Carbon disulfide	0.0019	820	3,700	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chlorobenzene	0.068	290	1,400	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chloroethane	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chloroform	0.022	0.29	1.5	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Cyclohexane	NSL	7,000	29,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Ethylbenzene	0.78	5.4	27	1.15	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
2-Hexanone	NSL	210	1400	NSL	0.013 U	0.011 U	NA	0.013 U	0.010 U	NA	0.012 U	0.013 U	0.012 U	0.014 U	NA
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.013 U	0.011 U	NA	0.013 U	0.010 U	NA	0.012 U	0.013 U	0.012 U	0.014 U	NA
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Methylene chloride	0.0013	56	960	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Styrene	0.11	6,300	36,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Tetrachloroethene	0.0023	22	110	NSL	**0.0028 J***	0.0020 J*	NA	0.0021 J*	**0.0024 J***	NA	0.0022 J*	**0.0030 J***	0.0018 J*	**0.0034 J***	NA
Toluene	0.69	5,000	45,000	1.45	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Trichloroethene	0.0018	0.91	6.4	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Xylenes (total)	9.8	630	2,700	14.5	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				MW-16			MW-16D		MW-17			MW-18		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	(3-4')	(19-20')		6-7'	22-23'	0-1'	4-5'	23-24'	4-5'	12-13'	38-39'
Sample Date:					05/20/2014	05/20/2014		05/19/2014	05/19/2014	05/10/2014	05/10/2014	05/10/2014	05/12/2014	05/12/2014	05/12/2014
Other:							(DUP)								
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	0.023 U	0.020 U	0.021 U	0.025 U	0.017 U	0.021 U	0.020 U	0.019 U	0.024 U	0.023 U	NA
Benzene	0.0026	1.1	5.4	0.007	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Bromoform	0.021	62	220	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.011 U	0.0099 U	0.011 U	0.013 U	0.0083 U	0.010 U	0.010 U	0.0096 U	0.012 U	0.011 U	NA
Carbon disulfide	0.0019	820	3,700	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chlorobenzene	0.068	290	1,400	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chloroethane	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chloroform	0.022	0.29	1.5	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Cyclohexane	NSL	7,000	29,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Ethylbenzene	0.78	5.4	27	1.15	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
2-Hexanone	NSL	210	1400	NSL	0.011 U	0.0099 U	0.011 U	0.013 U	0.0083 U	0.010 U	0.010 U	0.0096 U	0.012 U	0.011 U	NA
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.005 U	0.0048 U	0.0061 U	0.0057 U	NA
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.005 U	0.0048 U	0.0061 U	0.0057 U	NA
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.011 U	0.0099 U	0.011 U	0.013 U	0.0083 U	0.010 U	0.010 U	0.0096 U	0.012 U	0.011 U	NA
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Methylene chloride	0.0013	56	960	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Styrene	0.11	6,300	36,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Tetrachloroethene	0.0023	22	110	NSL	0.0012 J*	0.0011 J*	0.0012 J*	0.0018 J*	0.00069 J*	0.00067 J*	0.00098 J*	**0.0049**	0.0010 J*	0.0057 U	NA
Toluene	0.69	5,000	45,000	1.45	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Trichloroethene	0.0018	0.91	6.4	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Xylenes (total)	9.8	630	2,700	14.5	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of PAHs and Total Organic Carbon in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-37		SB-38			SB-39			SB-40		SB-41		
Depth (feet bgs):					4-5'	23-24'	0-1'	16-17'	24-25'	5-6'	14-15'	22-23'	17-18'	23-24'	1-2'	14-15'	23-24'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014
Other:																	
Polycyclic Aromatic Hydrocarbons (mg/kg)																	
Acenaphthene	NSL	3,400	33,000	NSL	0.40 U	0.36 J*	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Acenaphthylene	NSL	NSL	NSL	NSL	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Anthracene	NSL	17,000	170,000	NSL	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Benzo(a)anthracene	NSL	0.15	2.1	0.066	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.046 J*	0.042 J*	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Benzo(a)pyrene	0.24	0.015	0.21	NSL	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Benzo(b)fluoranthene	NSL	0.15	2.1	0.066	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.036 J*	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Benzo(k)fluoranthene	NSL	1.5	21	0.066	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Chrysene	NSL	15	210	0.066	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.030 J*	0.046 J*	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Dibenzo(a,h)anthracene	NSL	0.15	0.21	0.066	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Fluoranthene	NSL	2,300	22,000	NSL	0.40 U	0.46 U	0.012 J*	0.39 U	0.39 U	0.080 J*	0.094 J*	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Fluorene	NSL	2,300	22,000	NSL	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Indeno(1,2,3-c,d)pyrene	NSL	0.15	2.1	NSL	0.40 U	0.46 U	0.39 U	0.39 U	0.39 U	0.35 U	0.43 U	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Naphthalene	NSL	3.6	18	0.036	0.40 U	**2.9**	0.39 U	0.39 U	0.39 U	0.026 J*	**0.45**	**0.46**	**0.063 J***	**2.0**	0.42 U	0.23 J*	0.12 J*
Phenanthrene	NSL	NSL	NSL	NSL	0.020 J*	4.7	0.39 U	0.39 U	0.39 U	0.042 J*	0.17 J*	0.37 U	0.019 J*	0.038 J*	0.42 U	0.37 U	0.057 J*
Pyrene	NSL	1,700	17,000	NSL	0.40 U	0.26 J*	0.39 U	0.39 U	0.39 U	0.057 J*	0.088 J*	0.37 U	0.37 U	0.39 U	0.42 U	0.37 U	0.38 U
Total Organic Carbon (mg/kg)	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
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Table
Summary of PAHs and Total Organic Carbon in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-42			SB-43				SB-44		SB-45				
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	0-1'	14-15'	23-24'	7-8'	10-11'	19-20'		11-12'	24-25'	0-1'	3-4'	15-16'		21-22'
Sample Date:					04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014	04/09/2014		04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014		04/03/2014
Other:											(DUP)						(DUP)	
Polycyclic Aromatic Hydrocarbons (mg/kg)																		
Acenaphthene	NSL	3,400	33,000	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Acenaphthylene	NSL	NSL	NSL	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Anthracene	NSL	17,000	170,000	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Benzo(a)anthracene	NSL	0.15	2.1	0.066	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Benzo(a)pyrene	0.24	0.015	0.21	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Benzo(b)fluoranthene	NSL	0.15	2.1	0.066	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Benzo(k)fluoranthene	NSL	1.5	21	0.066	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Chrysene	NSL	15	210	0.066	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Dibenzo(a,h)anthracene	NSL	0.15	0.21	0.066	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Fluoranthene	NSL	2,300	22,000	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	0.16 J*
Fluorene	NSL	2,300	22,000	NSL	0.39 U	0.44 U	0.034 J*	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Indeno(1,2,3-c,d)pyrene	NSL	0.15	2.1	NSL	0.39 U	0.44 U	0.46 U	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Naphthalene	NSL	3.6	18	0.036	0.39 U	0.44 U	**0.14 J***	0.40 U	0.41 U	**0.96**	**0.79**	0.38 U	**1.2**	0.39 U	4.2 U	**5.9**	**4.9**	**7.7**
Phenanthrene	NSL	NSL	NSL	NSL	0.39 U	0.44 U	0.16 J*	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	4.0	0.39 U	4.2 U	10	9.7	10
Pyrene	NSL	1,700	17,000	NSL	0.39 U	0.44 U	0.020 J*	0.40 U	0.41 U	0.38 U	0.38 U	0.38 U	0.7	0.39 U	4.2 U	4.2 U	4.1 U	3.8 U
Total Organic Carbon (mg/kg)	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
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UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.

Table
Summary of PAHs and Total Organic Carbon in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-46			SB-47			SB-48			SB-49		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	3-4'	15-16'	25-26'	0-1'	6-7'	24-25'	2-3'	14-15'	25-26'	3-4'	12-13'	23-24'
Sample Date:					04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014
Other:																
Polycyclic Aromatic Hydrocarbons (mg/kg)																
Acenaphthene	NSL	3,400	33,000	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Acenaphthylene	NSL	NSL	NSL	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Anthracene	NSL	17,000	170,000	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Benzo(a)anthracene	NSL	0.15	2.1	0.066	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Benzo(a)pyrene	0.24	0.015	0.21	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Benzo(b)fluoranthene	NSL	0.15	2.1	0.066	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Benzo(k)fluoranthene	NSL	1.5	21	0.066	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Chrysene	NSL	15	210	0.066	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Dibenzo(a,h)anthracene	NSL	0.15	0.21	0.066	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Fluoranthene	NSL	2,300	22,000	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Fluorene	NSL	2,300	22,000	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Indeno(1,2,3-c,d)pyrene	NSL	0.15	2.1	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Naphthalene	NSL	3.6	18	0.036	**0.038 J***	**4.4**	**2.0 J***	0.37 U	0.39 U	0.39 U	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Phenanthrene	NSL	NSL	NSL	NSL	0.057 J*	9.6	4.7	0.37 U	0.39 U	0.089 J*	0.018 J*	0.75 J*	0.18 J*	0.37 U	0.42 U	0.31 J*
Pyrene	NSL	1,700	17,000	NSL	0.43 U	4.1 U	4.2 U	0.37 U	0.39 U	0.035 J*	0.36 U	3.5 U	0.37 U	0.37 U	0.42 U	0.43 U
Total Organic Carbon (mg/kg)	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
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SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.

Table
Summary of PAHs and Total Organic Carbon in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-50			SB-51			SB-52			SB-53		SB-54	
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	0-1'	10-11'	19-20'	2-3'	9-10'	23-24'	6-7'	9-10'	18-19'	1-2'	24-25'	1-2'	24-25'
Sample Date:					04/09/2014	04/09/2014	04/09/2014	04/03/2014	04/03/2014	04/03/2014	04/04/2014	04/04/2014	04/04/2014	04/02/2014	04/02/2014	04/04/2014	04/04/2014
Other:																	
Polycyclic Aromatic Hydrocarbons (mg/kg)																	
Acenaphthene	NSL	3,400	33,000	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Acenaphthylene	NSL	NSL	NSL	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Anthracene	NSL	17,000	170,000	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Benzo(a)anthracene	NSL	0.15	2.1	0.066	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.052 J*	0.39 U
Benzo(a)pyrene	0.24	0.015	0.21	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	**0.038 J***	0.39 U
Benzo(b)fluoranthene	NSL	0.15	2.1	0.066	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	**0.075 J***	0.39 U
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.046 J*	0.39 U
Benzo(k)fluoranthene	NSL	1.5	21	0.066	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Chrysene	NSL	15	210	0.066	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.044 J*	0.39 U
Dibenzo(a,h)anthracene	NSL	0.15	0.21	0.066	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Fluoranthene	NSL	2,300	22,000	NSL	0.020 J*	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.094 J*	0.39 U
Fluorene	NSL	2,300	22,000	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Indeno(1,2,3-c,d)pyrene	NSL	0.15	2.1	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Naphthalene	NSL	3.6	18	0.036	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.44 U	0.39 U
Phenanthrene	NSL	NSL	NSL	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.030 J*	0.39 U
Pyrene	NSL	1,700	17,000	NSL	0.38 U	0.40 U	0.38 U	0.35 U	0.40 U	0.41 U	0.42 U	0.40 U	0.48 U	0.38 U	0.42 U	0.063 J*	0.39 U
Total Organic Carbon (mg/kg)	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
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SSL - Soil Screening Level - MCL - based for Protection of Groundwater
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Table
Summary of PAHs and Total Organic Carbon in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-55			SB-56				SB-57			SB-58		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	11-12'	24-25'		0-1'	13-14'	28-29'		0-1'	4-5'	9-10'	4-5'	9-10'	23-24'
Sample Date:					04/04/2014	04/04/2014		04/08/2014	04/08/2014	04/08/2014		05/10/2014	05/10/2014	05/10/2014	04/08/2014	04/08/2014	04/08/2014
Other:							(DUP)				(DUP)						
Polycyclic Aromatic Hydrocarbons (mg/kg)																	
Acenaphthene	NSL	3,400	33,000	NSL	0.45 U	1.9	1.9	0.37 U	1.9	2.2 J	1.1 J	0.43 U	0.38 U	0.45 U	0.025 J*	0.39 U	0.36 U
Acenaphthylene	NSL	NSL	NSL	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Anthracene	NSL	17,000	170,000	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Benzo(a)anthracene	NSL	0.15	2.1	0.066	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Benzo(a)pyrene	0.24	0.015	0.21	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Benzo(b)fluoranthene	NSL	0.15	2.1	0.066	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Benzo(k)fluoranthene	NSL	1.5	21	0.066	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Chrysene	NSL	15	210	0.066	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Dibenzo(a,h)anthracene	NSL	0.15	0.21	0.066	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Fluoranthene	NSL	2,300	22,000	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Fluorene	NSL	2,300	22,000	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Indeno(1,2,3-c,d)pyrene	NSL	0.15	2.1	NSL	0.45 U	0.75 U	0.76 U	0.37 U	1.8 U	1.9 U	0.40 U	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Naphthalene	NSL	3.6	18	0.036	0.45 U	**3.9**	**3.6**	0.37 U	**8.1**	**15 J**	0.40 UJ	0.43 U	0.38 U	0.45 U	0.37 U	0.39 U	0.36 U
Phenanthrene	NSL	NSL	NSL	NSL	0.45 U	9.7	9.9	0.37 U	12	16 J	3.2 J	0.43 U	0.048 J*	0.062 J*	0.36 J*	0.39 U	0.16 J*
Pyrene	NSL	1,700	17,000	NSL	0.45 U	0.63 J*	0.65 J*	0.37 U	1.1 J*	0.97 J*	0.57 J	0.43 U	0.38 U	0.45 U	0.030 J*	0.39 U	0.043 J*
Total Organic Carbon (mg/kg)	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table
Summary of PAHs and Total Organic Carbon in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				MW-9D		MW-13		MW-14		MW-15		MW-18	
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSLs	15-16'	64-65'	25-26'	36-37'	13-14'	44'-45'	7-8'	31-32'	4-5'	38-39'
Sample Date:					05/14/2014	05/14/2014	05/15/2014	05/15/2014	05/14/2014	05/14/2014	05/14/2014	05/14/2014	05/12/2014	05/12/2014
Other:														
Polycyclic Aromatic Hydrocarbons (mg/kg)														
Acenaphthene	NSL	3,400	33,000	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NSL	17,000	170,000	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NSL	0.15	2.1	0.066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.24	0.015	0.21	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	0.15	2.1	0.066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NSL	1.5	21	0.066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NSL	15	210	0.066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NSL	0.15	0.21	0.066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NSL	2,300	22,000	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NSL	2,300	22,000	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	NSL	0.15	2.1	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NSL	3.6	18	0.036	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NSL	NSL	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NSL	1,700	17,000	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/kg)	NSL	NSL	NSL	NSL	40 J*	100 U	100 U	39 J*	100 U	100 U	390 J*	100 U	990 U	99 U

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mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
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Table
Summary of VOCs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-5D**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-9D**	**MW-10**	**MW-10D**
Sample Date:	US EPA MCLs	SCDHEC RBSLs	06/05/2014	06/04/2014	06/04/2014	06/05/2014	06/05/2014	06/05/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014
Other:	(Drinking Water)														
Volatile Organic Compounds (ug/L)															
Acetone	NSL	NSL	20 U	20 U	100 U	20 U	1,000 U	20 U	4,000 U	20,000 U	10,000 U	20 U	20 U	20 U	20 U
Benzene	5	5	5.0 U	5.0 U	**17 J***	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	80	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	80	80	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	NSL	NSL	10 U	10 U	33 J*	10 U	500 U	10 U	2,000 U	10,000 U	5,000 U	10 U	10 U	10 U	10 U
Carbon disulfide	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	100	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	80	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	1.8 J*	5.0 U	2.5 J*
Chloromethane (Methyl chloride)	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	5.0 U DNR	5.0 U DNR	25 U DNR	5.0 U	250 U	5.0 U	1,000 U DNR	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	80	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.05	0.05	5.0 U DNR	5.0 U DNR	25 U DNR	5.0 U	250 U	5.0 U	1,000 U DNR	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	NSL	5.0 U	1.2 J*	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	7	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	70	NSL	5.0 U	5.0 U	**440**	0.39 J*	46 J*	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	0.26 J*	0.46 J*	5.0 U
trans-1,2-Dichloroethene	100	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5	NSL	5.0 U	**11**	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	16 J*	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	NSL	NSL	10 U	10 U	10 J*	10 U	500 U	10 U	2,000 U	10,000 U	2,500 U	10 U	10 U	10 U	10 U
Isopropylbenzene	NSL	NSL	5.0 U	5.0 U	26	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tertiary butyl ether (MTBE)	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NSL	NSL	10 U	10 U	6.9 J*	10 U	500 U	10 U	2,000 U	10,000 U	5,000 U	10 U	10 U	10 U	10 U
Methylcyclohexane	NSL	NSL	5.0 U	5.0 U	5.1 J*	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	NSL	0.80 J*	5.0 U	25 U	2.4 J*	**3,700**	**190**	**14,000**	**97,000**	**21,000**	5.0 U	5.0 U	**1,500**	5.0 U
Toluene	1,000	1,000	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	200	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	NSL	5.0 U	5.0 U	25 U	5.0 U	**15 J***	0.56 J*	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	1.3 J*	5.0 U
Trichlorofluoromethane	NSL	NSL	5.0 U	5.0 U	25 U	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	NSL	2.0 U	2.0 U	10 U	0.42 J*	**38 J***	2.0 U	400 U	2,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	10,000	10,000	5.0 U	5.0 U	110	5.0 U	250 U	5.0 U	1,000 U	5,000 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U
Low-level Volatile Organic Compounds (ug/L)															
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	0.020 U	0.020 U	0.020 U	NA	NA	NA	0.020 U	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.05	0.05	0.020 U	0.020 U	0.020 U	NA	NA	NA	0.020 U	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DNR - do not report
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA)
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
VOC - volatile organic compound

Table
Summary of VOCs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**MW-16D**		**MW-17**		**MW-18**
Sample Date:	US EPA MCLs	SCDHEC RBSLs	06/04/2014	06/05/2014	06/05/2014	06/04/2014	06/05/2014	06/04/2014	06/04/2014		06/05/2014		06/05/2014
Other:	(Drinking Water)									(DUP)		(DUP)	
Volatile Organic Compounds (ug/L)													
Acetone	NSL	NSL	20 U	1,000 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	80	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.2 J*	3.1 J*	5.0 U
Bromoform	80	80	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	NSL	NSL	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	100	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	80	NSL	5.0 U	250 U	2.8 J*	2.3 J*	3.9 J*	5.0 U	5.0 U	5.0 U	8.6	8.5	5.0 U
Chloromethane (Methyl chloride)	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	5.0 U	250 U DNR	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U DNR	5.0 U DNR	5.0 U
Dibromochloromethane	80	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.05	0.05	5.0 U	250 U DNR	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U DNR	5.0 U DNR	5.0 U
1,2-Dichlorobenzene	600	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	7	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	70	NSL	5.0 U	250 U	5.0 U	0.24 J*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	100	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	NSL	NSL	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tertiary butyl ether (MTBE)	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NSL	NSL	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	NSL	**37**	**4,500**	0.82 J*	**78**	0.60 J*	**160**	**18**	**18**	**75**	**73**	0.78 J*
Toluene	1,000	1,000	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	200	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.79 J*	0.71 J*	5.0 U
Trichlorofluoromethane	NSL	NSL	5.0 U	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	NSL	2.0 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	10,000	10,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Low-level Volatile Organic Compounds (ug/L)													
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	NA	0.019 U	NA	NA	NA	NA	NA	NA	0.020 U	0.020 U	NA
1,2-Dibromoethane (EDB)	0.05	0.05	NA	0.019 U	NA	NA	NA	NA	NA	NA	0.020 U	0.020 U	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DNR - do not report
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
NA - not analyzed or not applicable
NSL - no screening level listed
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA)
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
VOC - volatile organic compound

Table
Summary of PAHs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-5D**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-9D**	**MW-10**	**MW-10D**
Sample Date:	US EPA MCLs	SCDHEC RBSLs	06/05/2014	06/04/2014	06/04/2014	06/05/2014	06/05/2014	06/05/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014
Other:	(Drinking Water)														
Polycyclic Aromatic Hydrocarbons (ug/L)															
Acenaphthene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Acenaphthylene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Anthracene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NSL	NSL	0.20 U	0.042 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NSL	0.20 U	0.050 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	NSL	0.20 U	0.11 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Chrysene	NSL	NSL	0.20 U	0.077 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Fluoranthene	NSL	NSL	0.20 U	0.15 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Fluorene	NSL	NSL	0.20 U	0.063 J*	100 U	0.028 J*	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	NSL	NSL	0.20 U	0.40 U	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Naphthalene	NSL	25	0.20 U	1.1	**200**	0.14 J*	0.20 U	0.10 J*	0.20 U	NA	NA	NA	NA	NA	NA
Phenanthrene	NSL	NSL	0.20 U	0.15 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA
Pyrene	NSL	NSL	0.20 U	0.13 J*	100 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter

Table
Summary of PAHs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**MW-16D**		**MW-17**		**MW-18**
Sample Date:	US EPA MCLs	SCDHEC RBSLs	06/04/2014	06/05/2014	06/05/2014	06/04/2014	06/05/2014	06/04/2014	06/04/2014		06/05/2014		06/05/2014
Other:	(Drinking Water)									(DUP)		(DUP)	
Polycyclic Aromatic Hydrocarbons (ug/L)													
Acenaphthene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Acenaphthylene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Anthracene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	0.2	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(k)fluoranthene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Chrysene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Fluoranthene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Fluorene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Indeno(1,2,3-c,d)pyrene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Naphthalene	NSL	25	NA	0.039 J*	NA	NA	NA	NA	NA	NA	0.033 J*	0.071 J*	0.038 J*
Phenanthrene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.043 J*	0.040 J*	0.20 U
Pyrene	NSL	NSL	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSLs - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: **Itron - Greenwood**

Project Number: **33764563**

Lot Number: **PD02110**

Date Completed: **04/11/2014**

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PD02110

Case Narrative
URS Corporation
Lot Number: PD02110

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receipt

Sample -019 Trip Blank was received but was not listed on the COC. Per client request, VOC analysis has been performed on this sample.

VOCs by GC/MS

Due to suspected matrix interferences, sample -018 recovered two surrogates outside of method criteria. The sample was analyzed twice yielding similar surrogate recoveries further illustrating matrix interferences. The best run has been reported.

The Method Blank associated with batch 44164 had a detection for Acetone. No corrective action was required as the reported detection was below the PQL but above the MDL. It was a "J" value detection. All detections for Acetone associated with this batch has been reported and qualified with a "B".

The Method Blank associated with batches 44295 and 44378 had detections for Tetrachloroethene. No corrective action was required as the reported detections were below the PQL but above the MDL. They were "J" value detections. All detections for Tetrachloroethene associated with these batches have been reported and qualified with a "B".

The LCS/LCSD associated with batch 44295 recovered MTBE above the acceptable range. No corrective action was required as all associated samples were non-detect for MTBE indicating that no high bias was seen in the samples.

Sample Summary
URS Corporation
Lot Number: PD02110

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-27(7-8')	Solid	04/01/2014 1610	04/02/2014
002	SB-27(29-30')	Solid	04/01/2014 1620	04/02/2014
003	SB-28(29-30')	Solid	04/01/2014 1200	04/02/2014
004	SB-29(22-23')	Solid	04/01/2014 1000	04/02/2014
005	SB-29(27-28')	Solid	04/01/2014 1010	04/02/2014
006	SB-30(6-7')	Solid	04/01/2014 1535	04/02/2014
007	SB-30(19-20')	Solid	04/01/2014 1545	04/02/2014
008	SB-31(6-7')	Solid	04/01/2014 1500	04/02/2014
009	SB-31(25-26')	Solid	04/01/2014 1510	04/02/2014
010	DUP-2	Solid	04/01/2014 1555	04/02/2014
011	SB-23A(4-5')	Solid	04/01/2014 1440	04/02/2014
012	SB-33(2-3')	Solid	04/01/2014 1625	04/02/2014
013	SB-33(8-9')	Solid	04/01/2014 1635	04/02/2014
014	SB-32(7-8')	Solid	04/02/2014 0910	04/02/2014
015	SB-32(15-16')	Solid	04/02/2014 0920	04/02/2014
016	SB-32(20-21')	Solid	04/02/2014 0930	04/02/2014
017	SB-34(6-7')	Solid	04/02/2014 1055	04/02/2014
018	SB-34(25-26')	Solid	04/02/2014 1105	04/02/2014
019	Trip Blank	Aqueous	04/02/2014	04/08/2014

(19 samples)

Executive Summary
URS Corporation
Lot Number: PD02110

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-27(7-8')	Solid	Acetone	8260B	11	BJ	ug/kg	5
002	SB-27(29-30')	Solid	Tetrachloroethene	8260B	910	B	ug/kg	7
003	SB-28(29-30')	Solid	Chloroform	8260B	1.5	J	ug/kg	9
003	SB-28(29-30')	Solid	Tetrachloroethene	8260B	2400	B	ug/kg	9
003	SB-28(29-30')	Solid	1,1,2-Trichloroethane	8260B	1.5	J	ug/kg	10
004	SB-29(22-23')	Solid	Acetone	8260B	28	B	ug/kg	11
004	SB-29(22-23')	Solid	2-Butanone (MEK)	8260B	6.4	J	ug/kg	11
004	SB-29(22-23')	Solid	Chloroform	8260B	0.95	J	ug/kg	11
004	SB-29(22-23')	Solid	Tetrachloroethene	8260B	4600	B	ug/kg	11
004	SB-29(22-23')	Solid	1,1,2-Trichloroethane	8260B	9.9		ug/kg	12
005	SB-29(27-28')	Solid	Acetone	8260B	19	BJ	ug/kg	13
005	SB-29(27-28')	Solid	Chloroform	8260B	3.5	J	ug/kg	13
005	SB-29(27-28')	Solid	cis-1,2-Dichloroethene	8260B	1.6	J	ug/kg	13
005	SB-29(27-28')	Solid	Tetrachloroethene	8260B	18000	B	ug/kg	13
005	SB-29(27-28')	Solid	1,1,2-Trichloroethane	8260B	15		ug/kg	14
005	SB-29(27-28')	Solid	Trichloroethene	8260B	3.9	J	ug/kg	14
007	SB-30(19-20')	Solid	Tetrachloroethene	8260B	1.0	J	ug/kg	17
008	SB-31(6-7')	Solid	Tetrachloroethene	8260B	0.55	J	ug/kg	19
009	SB-31(25-26')	Solid	Tetrachloroethene	8260B	6.1		ug/kg	21
011	SB-23A(4-5')	Solid	Tetrachloroethene	8260B	320	B	ug/kg	25
012	SB-33(2-3')	Solid	Acetone	8260B	8.5	J	ug/kg	27
012	SB-33(2-3')	Solid	Tetrachloroethene	8260B	0.71	J	ug/kg	27
013	SB-33(8-9')	Solid	Tetrachloroethene	8260B	0.58	J	ug/kg	29
014	SB-32(7-8')	Solid	Tetrachloroethene	8260B	140	BJ	ug/kg	31
015	SB-32(15-16')	Solid	Tetrachloroethene	8260B	4.8	J	ug/kg	33
016	SB-32(20-21')	Solid	Tetrachloroethene	8260B	330	B	ug/kg	35
017	SB-34(6-7')	Solid	Tetrachloroethene	8260B	0.82	J	ug/kg	37
018	SB-34(25-26')	Solid	Tetrachloroethene	8260B	4300	B	ug/kg	39

(28 detections)

Client: URS Corporation
Description: SB-27(7-8')
Date Sampled: 04/01/2014 1610
Date Received: 04/02/2014

Laboratory ID: PD02110-001
Matrix: Solid
% Solids: 88.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1510	AAC		44164	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	11	BJ	20	6.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	0.71	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	0.85	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	0.69	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	0.87	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	0.75	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	0.78	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	0.93	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	0.69	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	0.84	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.1	0.51	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-27(7-8')
Date Sampled: 04/01/2014 1610
Date Received: 04/02/2014

Laboratory ID: PD02110-001
Matrix: Solid
% Solids: 88.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1510	AAC		44164	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	0.64	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	0.87	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	0.81	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	0.88	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-27(29-30')
Date Sampled: 04/01/2014 1620
Date Received: 04/02/2014

Laboratory ID: PD02110-002
Matrix: Solid
% Solids: 80.2 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1533	AAC		44164	6.19
2	5035	8260B	50	04/08/2014 2143	AAC		44295	6.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/kg	1
Benzene	71-43-2	8260B	ND		5.0	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	0.71	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	0.84	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.68	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.86	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.74	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.77	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.92	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.68	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.83	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.99	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.41	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	2.6	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.47	ug/kg	1
Tetrachloroethene	127-18-4	8260B	910	B	250	25	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-27(29-30')
Date Sampled: 04/01/2014 1620
Date Received: 04/02/2014

Laboratory ID: PD02110-002
Matrix: Solid
% Solids: 80.2 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1533	AAC		44164	6.19
2	5035	8260B	50	04/08/2014 2143	AAC		44295	6.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.63	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.86	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.80	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.0	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.0	0.87	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	2.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142		75	53-142
Bromofluorobenzene		96	47-138		58	47-138
Toluene-d8		105	68-124		69	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-28(29-30')
Date Sampled: 04/01/2014 1200
Date Received: 04/02/2014

Laboratory ID: PD02110-003
Matrix: Solid
% Solids: 80.7 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1556	AAC		44164	7.12
2	5035	8260B	50	04/08/2014 2206	AAC		44295	6.77

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		17	5.8	ug/kg	1
Benzene	71-43-2	8260B	ND		4.4	0.96	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.4	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.4	0.61	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.4	1.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.7	2.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.4	1.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.4	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.4	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.4	1.1	ug/kg	1
Chloroform	67-66-3	8260B	1.5	J	4.4	0.72	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.4	0.87	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.4	0.59	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.4	1.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.4	1.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.4	0.74	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.4	1.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.4	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.4	1.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.4	1.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.4	0.64	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.4	0.87	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.4	1.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.4	0.66	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.4	1.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.4	0.79	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.4	0.59	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.4	0.71	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.4	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.7	1.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.4	0.20	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.4	0.85	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.4	0.35	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.7	1.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.4	0.36	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.4	2.3	ug/kg	1
Styrene	100-42-5	8260B	ND		4.4	0.96	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.4	0.41	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2400	B	230	23	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-28(29-30')
Date Sampled: 04/01/2014 1200
Date Received: 04/02/2014

Laboratory ID: PD02110-003
Matrix: Solid
% Solids: 80.7 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1556	AAC		44164	7.12
2	5035	8260B	50	04/08/2014 2206	AAC		44295	6.77

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		4.4	1.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.4	0.55	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.4	0.74	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	1.5	J	4.4	0.69	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.4	1.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.4	1.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.4	0.75	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.4	2.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142		81	53-142
Bromofluorobenzene		96	47-138		65	47-138
Toluene-d8		100	68-124		77	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29(22-23')
Date Sampled: 04/01/2014 1000
Date Received: 04/02/2014

Laboratory ID: PD02110-004
Matrix: Solid
% Solids: 79.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1619	AAC		44164	6.11
2	5035	8260B	50	04/08/2014 2229	AAC		44295	5.87

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	28	B	20	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	0.72	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	6.4	J	10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	1.3	ug/kg	1
Chloroform	67-66-3	8260B	0.95	J	5.1	0.85	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	0.69	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	0.87	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	0.75	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	0.78	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	0.93	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	0.70	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	0.84	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4600	B	270	27	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29(22-23')
Date Sampled: 04/01/2014 1000
Date Received: 04/02/2014

Laboratory ID: PD02110-004
Matrix: Solid
% Solids: 79.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1619	AAC		44164	6.11
2	5035	8260B	50	04/08/2014 2229	AAC		44295	5.87

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	0.87	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	9.9		5.1	0.81	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	0.88	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142		78	53-142
Bromofluorobenzene		92	47-138		65	47-138
Toluene-d8		101	68-124		71	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29(27-28')
Date Sampled: 04/01/2014 1010
Date Received: 04/02/2014

Laboratory ID: PD02110-005
Matrix: Solid
% Solids: 78.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1642	AAC		44164	6.04
2	5035	8260B	100	04/09/2014 1459	AAC		44378	4.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	19	BJ	21	7.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.74	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	3.5	J	5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	0.71	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.90	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.6	J	5.3	0.81	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.97	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	18000	B	680	68	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29(27-28')
Date Sampled: 04/01/2014 1010
Date Received: 04/02/2014

Laboratory ID: PD02110-005
Matrix: Solid
% Solids: 78.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1642	AAC		44164	6.04
2	5035	8260B	100	04/09/2014 1459	AAC		44378	4.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.3	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	0.67	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.90	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	15		5.3	0.84	ug/kg	1
Trichloroethene	79-01-6	8260B	3.9	J	5.3	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.3	0.91	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142		79	53-142
Bromofluorobenzene		93	47-138		90	47-138
Toluene-d8		105	68-124		90	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-30(6-7')
Date Sampled: 04/01/2014 1535
Date Received: 04/02/2014

Laboratory ID: PD02110-006
Matrix: Solid
% Solids: 83.4 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1705	AAC		44164	5.75
2	5035	8260B	1	04/08/2014 1501	AAC		44294	6.15

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.87	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.89	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.86	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.9	0.49	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-30(6-7')
Date Sampled: 04/01/2014 1535
Date Received: 04/02/2014

Laboratory ID: PD02110-006
Matrix: Solid
% Solids: 83.4 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/07/2014 1705	AAC		44164	5.75
2	5035	8260B	1	04/08/2014 1501	AAC		44294	6.15

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.66	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.89	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 2 Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		104	53-142		104	53-142
Bromofluorobenzene		96	47-138		96	47-138
Toluene-d8		105	68-124		104	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-30(19-20')
Date Sampled: 04/01/2014 1545
Date Received: 04/02/2014

Laboratory ID: PD02110-007
Matrix: Solid
% Solids: 81.2 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0135	JJG		44226	5.12

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.1	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	0.84	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.0	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.0	0.81	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.0	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	0.88	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.0	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.0	0.91	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	0.82	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	0.99	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.0	0.28	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.0	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	0.48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.0	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.0	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	0.57	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.0	J	6.0	0.60	ug/kg	1
Toluene	108-88-3	8260B	ND		6.0	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-30(19-20')
Date Sampled: 04/01/2014 1545
Date Received: 04/02/2014

Laboratory ID: PD02110-007
Matrix: Solid
% Solids: 81.2 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0135	JJG		44226	5.12

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.0	0.76	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.0	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.0	0.95	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.0	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.0	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.0	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.0	3.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		106	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-31(6-7')
Date Sampled: 04/01/2014 1500
Date Received: 04/02/2014

Laboratory ID: PD02110-008
Matrix: Solid
% Solids: 83.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0158	JJG		44226	5.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.87	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.89	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.86	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.55	J	5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-31(6-7')
Date Sampled: 04/01/2014 1500
Date Received: 04/02/2014

Laboratory ID: PD02110-008
Matrix: Solid
% Solids: 83.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0158	JJG		44226	5.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.66	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.89	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.83	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		106	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-31(25-26')
Date Sampled: 04/01/2014 1510
Date Received: 04/02/2014

Laboratory ID: PD02110-009
Matrix: Solid
% Solids: 80.6 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0221	JJG		44226	5.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.81	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.96	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.78	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.98	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.88	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.95	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.46	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.47	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.54	ug/kg	1
Tetrachloroethene	127-18-4	8260B	6.1		5.8	0.58	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-31(25-26')
Date Sampled: 04/01/2014 1510
Date Received: 04/02/2014

Laboratory ID: PD02110-009
Matrix: Solid
% Solids: 80.6 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0221	JJG		44226	5.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	0.73	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.98	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.91	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-2
Date Sampled: 04/01/2014 1555
Date Received: 04/02/2014

Laboratory ID: PD02110-010
Matrix: Solid
% Solids: 82.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0244	JJG		44226	5.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.3	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	0.73	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	0.54	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-2
Date Sampled: 04/01/2014 1555
Date Received: 04/02/2014

Laboratory ID: PD02110-010
Matrix: Solid
% Solids: 82.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0244	JJG		44226	5.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	0.68	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.4	0.93	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-23A(4-5')
Date Sampled: 04/01/2014 1440
Date Received: 04/02/2014

Laboratory ID: PD02110-011
Matrix: Solid
% Solids: 83.8 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0307	JJG		44226	5.54
2	5035	8260B	50	04/08/2014 2011	AAC		44295	5.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.2	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.75	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.89	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	0.73	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.98	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.73	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.88	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	320	B	300	30	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-23A(4-5')
Date Sampled: 04/01/2014 1440
Date Received: 04/02/2014

Laboratory ID: PD02110-011
Matrix: Solid
% Solids: 83.8 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0307	JJG		44226	5.54
2	5035	8260B	50	04/08/2014 2011	AAC		44295	5.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.4	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	0.68	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.85	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.4	0.93	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142		109	53-142
Bromofluorobenzene		96	47-138		89	47-138
Toluene-d8		102	68-124		99	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33(2-3')
Date Sampled: 04/01/2014 1625
Date Received: 04/02/2014

Laboratory ID: PD02110-012
Matrix: Solid
% Solids: 74.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0330	JJG		44226	6.48

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	8.5	J	21	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.72	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.69	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.75	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.78	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.94	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.70	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.71	J	5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33(2-3')
Date Sampled: 04/01/2014 1625
Date Received: 04/02/2014

Laboratory ID: PD02110-012
Matrix: Solid
% Solids: 74.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0330	JJG		44226	6.48

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.81	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.89	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33(8-9')
Date Sampled: 04/01/2014 1635
Date Received: 04/02/2014

Laboratory ID: PD02110-013
Matrix: Solid
% Solids: 90.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0353	JJG		44226	5.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.4	ug/kg	1
Benzene	71-43-2	8260B	ND		4.8	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.8	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.8	0.67	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.8	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.6	2.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.8	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.8	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.8	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.8	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.8	0.80	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.8	0.96	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.8	0.65	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.8	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.8	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.8	0.82	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.8	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.8	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.8	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.8	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.8	0.70	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.8	0.96	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.8	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.8	0.73	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.8	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.8	0.87	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.8	0.65	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.8	0.79	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.8	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.6	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.8	0.22	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.8	0.94	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.8	0.38	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.6	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.8	0.39	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.8	2.5	ug/kg	1
Styrene	100-42-5	8260B	ND		4.8	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.8	0.45	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.58	J	4.8	0.48	ug/kg	1
Toluene	108-88-3	8260B	ND		4.8	1.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33(8-9')
Date Sampled: 04/01/2014 1635
Date Received: 04/02/2014

Laboratory ID: PD02110-013
Matrix: Solid
% Solids: 90.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0353	JJG		44226	5.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.8	0.60	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.8	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.8	0.82	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.8	0.76	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.8	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.8	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.8	0.83	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.8	2.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		106	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-32(7-8')
Date Sampled: 04/02/2014 0910
Date Received: 04/02/2014

Laboratory ID: PD02110-014
Matrix: Solid
% Solids: 75.4 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0417	JJG		44226	4.77
2	5035	8260B	50	04/08/2014 2034	AAC		44295	4.12

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.3	ug/kg	1
Benzene	71-43-2	8260B	ND		7.0	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.0	2.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.0	0.97	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.0	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.0	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.0	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.0	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.0	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.0	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.0	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.0	0.94	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.0	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.0	2.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.0	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.0	2.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.0	2.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.0	2.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.0	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.0	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.0	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.0	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.0	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.0	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.0	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.0	0.95	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.0	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.0	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.0	0.32	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.0	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.0	0.56	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.0	0.57	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.0	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		7.0	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.0	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	140	BJ	400	40	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-32(7-8')
Date Sampled: 04/02/2014 0910
Date Received: 04/02/2014

Laboratory ID: PD02110-014
Matrix: Solid
% Solids: 75.4 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0417	JJG		44226	4.77
2	5035	8260B	50	04/08/2014 2034	AAC		44295	4.12

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		7.0	2.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.0	0.88	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.0	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.0	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.0	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.0	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.0	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.0	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.0	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142		84	53-142
Bromofluorobenzene		94	47-138		70	47-138
Toluene-d8		101	68-124		82	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-32(15-16')
Date Sampled: 04/02/2014 0920
Date Received: 04/02/2014

Laboratory ID: PD02110-015
Matrix: Solid
% Solids: 84.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0440	JJG		44226	5.02
2	5035	8260B	1	04/08/2014 1524	AAC		44294	5.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	7.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.87	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.81	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4.8	J	5.7	0.57	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-32(15-16')
Date Sampled: 04/02/2014 0920
Date Received: 04/02/2014

Laboratory ID: PD02110-015
Matrix: Solid
% Solids: 84.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0440	JJG		44226	5.02
2	5035	8260B	1	04/08/2014 1524	AAC		44294	5.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.75	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.94	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 2 Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		90	53-142		98	53-142
Bromofluorobenzene		95	47-138		95	47-138
Toluene-d8		101	68-124		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-32(20-21')
Date Sampled: 04/02/2014 0930
Date Received: 04/02/2014

Laboratory ID: PD02110-016
Matrix: Solid
% Solids: 79.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0503	JJG		44226	6.06
2	5035	8260B	50	04/08/2014 2057	AAC		44295	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.72	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.75	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.78	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.94	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.70	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	330	B	310	31	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-32(20-21')
Date Sampled: 04/02/2014 0930
Date Received: 04/02/2014

Laboratory ID: PD02110-016
Matrix: Solid
% Solids: 79.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0503	JJG		44226	6.06
2	5035	8260B	50	04/08/2014 2057	AAC		44295	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.89	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 2 Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		99	53-142		88	53-142
Bromofluorobenzene		96	47-138		72	47-138
Toluene-d8		103	68-124		82	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-34(6-7')
Date Sampled: 04/02/2014 1055
Date Received: 04/02/2014

Laboratory ID: PD02110-017
Matrix: Solid
% Solids: 77.3 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0526	JJG		44226	5.21
2	5035	8260B	1	04/09/2014 0220	JJG		44327	5.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.3	ug/kg	1
Benzene	71-43-2	8260B	ND		6.2	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.2	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.2	0.87	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.2	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.2	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.2	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.2	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.2	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.2	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.2	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.2	0.84	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.2	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.2	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.2	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.2	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.2	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.2	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.2	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.2	0.91	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.2	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.2	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.2	0.94	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.2	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.2	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.2	0.84	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.2	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.2	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.2	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.2	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.2	0.50	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.2	0.51	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.2	3.2	ug/kg	1
Styrene	100-42-5	8260B	ND		6.2	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.2	0.58	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.82	J	6.4	0.64	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-34(6-7')
Date Sampled: 04/02/2014 1055
Date Received: 04/02/2014

Laboratory ID: PD02110-017
Matrix: Solid
% Solids: 77.3 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0526	JJG		44226	5.21
2	5035	8260B	1	04/09/2014 0220	JJG		44327	5.08

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		6.2	2.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.2	0.78	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.2	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.2	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.2	0.98	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.2	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.2	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.2	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.2	3.6	ug/kg	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 2 Q	Run 2 % Recovery	Run 2 Acceptance Limits
1,2-Dichloroethane-d4		99	53-142		98	53-142
Bromofluorobenzene		99	47-138		92	47-138
Toluene-d8		103	68-124		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-34(25-26')
Date Sampled: 04/02/2014 1105
Date Received: 04/02/2014

Laboratory ID: PD02110-018
Matrix: Solid
% Solids: 69.7 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/08/2014 2120	AAC		44295	5.90

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	410	ug/kg	2
Benzene	71-43-2	8260B	ND		300	67	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		300	100	ug/kg	2
Bromoform	75-25-2	8260B	ND		300	43	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		300	110	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		610	150	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		300	79	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		300	110	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		300	100	ug/kg	2
Chloroethane	75-00-3	8260B	ND		300	79	ug/kg	2
Chloroform	67-66-3	8260B	ND		300	50	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		300	61	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		300	41	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		300	91	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		300	100	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		300	52	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		300	100	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		300	100	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		300	100	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		300	97	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		300	44	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		300	61	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		300	100	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		300	46	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		300	91	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		300	55	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		300	41	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		300	50	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		300	100	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		610	79	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		300	14	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		300	60	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		300	24	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		610	91	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		300	25	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		300	160	ug/kg	2
Styrene	100-42-5	8260B	ND		300	67	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		300	29	ug/kg	2
Tetrachloroethene	127-18-4	8260B	4300	B	300	30	ug/kg	2
Toluene	108-88-3	8260B	ND		300	100	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-34(25-26')
Date Sampled: 04/02/2014 1105
Date Received: 04/02/2014

Laboratory ID: PD02110-018
Matrix: Solid
% Solids: 69.7 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/08/2014 2120	AAC		44295	5.90

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		300	38	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		300	100	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		300	52	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		300	48	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		300	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		300	91	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		300	52	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		300	180	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		66	53-142
Bromofluorobenzene	N	44	47-138
Toluene-d8	N	57	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/02/2014
Date Received: 04/08/2014

Laboratory ID: PD02110-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2014 2346	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/02/2014
Date Received: 04/08/2014

Laboratory ID: PD02110-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/09/2014 2346	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44164-001
Batch: 44164
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	7.7	J	1	20	6.7	ug/kg	04/07/2014 1228
Benzene	ND		1	5.0	1.1	ug/kg	04/07/2014 1228
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
Bromoform	ND		1	5.0	0.70	ug/kg	04/07/2014 1228
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/07/2014 1228
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/07/2014 1228
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/07/2014 1228
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/07/2014 1228
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
Chloroethane	ND		1	5.0	1.3	ug/kg	04/07/2014 1228
Chloroform	ND		1	5.0	0.83	ug/kg	04/07/2014 1228
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/07/2014 1228
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/07/2014 1228
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/07/2014 1228
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/07/2014 1228
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/07/2014 1228
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/07/2014 1228
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/07/2014 1228
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/07/2014 1228
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/07/2014 1228
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/07/2014 1228
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/07/2014 1228
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/07/2014 1228
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
2-Hexanone	ND		1	10	1.3	ug/kg	04/07/2014 1228
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/07/2014 1228
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/07/2014 1228
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/07/2014 1228
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/07/2014 1228
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/07/2014 1228
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/07/2014 1228
Styrene	ND		1	5.0	1.1	ug/kg	04/07/2014 1228
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/07/2014 1228
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/07/2014 1228
Toluene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/07/2014 1228
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/07/2014 1228
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/07/2014 1228
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/07/2014 1228

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44164-001
Batch: 44164
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/07/2014 1228
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/07/2014 1228
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/07/2014 1228
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/07/2014 1228

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44164-002
Batch: 44164
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	97		1	97	60-140	04/07/2014 1055
Benzene	50	44		1	87	69-123	04/07/2014 1055
Bromodichloromethane	50	43		1	87	69-121	04/07/2014 1055
Bromoform	50	45		1	90	61-119	04/07/2014 1055
Bromomethane (Methyl bromide)	50	43		1	85	10-168	04/07/2014 1055
2-Butanone (MEK)	100	97		1	97	57-148	04/07/2014 1055
Carbon disulfide	50	45		1	90	58-122	04/07/2014 1055
Carbon tetrachloride	50	46		1	92	58-136	04/07/2014 1055
Chlorobenzene	50	44		1	88	59-129	04/07/2014 1055
Chloroethane	50	43		1	86	42-163	04/07/2014 1055
Chloroform	50	44		1	88	71-125	04/07/2014 1055
Chloromethane (Methyl chloride)	50	43		1	86	34-134	04/07/2014 1055
Cyclohexane	50	46		1	91	53-139	04/07/2014 1055
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	88	55-125	04/07/2014 1055
Dibromochloromethane	50	44		1	88	66-119	04/07/2014 1055
1,2-Dibromoethane (EDB)	50	45		1	90	74-124	04/07/2014 1055
1,2-Dichlorobenzene	50	43		1	87	57-131	04/07/2014 1055
1,3-Dichlorobenzene	50	42		1	84	51-134	04/07/2014 1055
1,4-Dichlorobenzene	50	43		1	85	52-133	04/07/2014 1055
Dichlorodifluoromethane	50	45		1	91	10-157	04/07/2014 1055
1,1-Dichloroethane	50	44		1	87	71-127	04/07/2014 1055
1,2-Dichloroethane	50	45		1	89	67-129	04/07/2014 1055
1,1-Dichloroethene	50	45		1	90	69-138	04/07/2014 1055
cis-1,2-Dichloroethene	50	44		1	88	70-122	04/07/2014 1055
trans-1,2-Dichloroethene	50	43		1	87	68-131	04/07/2014 1055
1,2-Dichloropropane	50	43		1	87	72-124	04/07/2014 1055
cis-1,3-Dichloropropene	50	45		1	90	70-126	04/07/2014 1055
trans-1,3-Dichloropropene	50	44		1	89	70-124	04/07/2014 1055
Ethylbenzene	50	43		1	85	59-128	04/07/2014 1055
2-Hexanone	100	89		1	89	54-137	04/07/2014 1055
Isopropylbenzene	50	45		1	90	50-136	04/07/2014 1055
Methyl acetate	50	48		1	96	59-137	04/07/2014 1055
Methyl tertiary butyl ether (MTBE)	50	43		1	85	70-130	04/07/2014 1055
4-Methyl-2-pentanone	100	96		1	96	60-134	04/07/2014 1055
Methylcyclohexane	50	45		1	90	41-144	04/07/2014 1055
Methylene chloride	50	43		1	86	70-130	04/07/2014 1055
Styrene	50	44		1	88	54-136	04/07/2014 1055
1,1,2,2-Tetrachloroethane	50	45		1	90	69-132	04/07/2014 1055
Tetrachloroethene	50	45		1	90	45-150	04/07/2014 1055
Toluene	50	44		1	88	61-129	04/07/2014 1055
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	101	49-136	04/07/2014 1055
1,2,4-Trichlorobenzene	50	45		1	89	34-145	04/07/2014 1055
1,1,2-Trichloroethane	50	41		1	82	55-128	04/07/2014 1055
1,1,1-Trichloroethane	50	45		1	91	63-128	04/07/2014 1055

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44164-002
Batch: 44164
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	44		1	87	62-126	04/07/2014 1055
Trichlorofluoromethane	50	45		1	91	45-138	04/07/2014 1055
Vinyl chloride	50	43		1	87	42-132	04/07/2014 1055
Xylenes (total)	100	88		1	88	58-128	04/07/2014 1055

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44164-003
Batch: 44164
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	94		1	94	2.5	60-140	20	04/07/2014 1118
Benzene	50	42		1	85	3.1	69-123	20	04/07/2014 1118
Bromodichloromethane	50	42		1	85	2.2	69-121	20	04/07/2014 1118
Bromoform	50	46		1	91	0.89	61-119	20	04/07/2014 1118
Bromomethane (Methyl bromide)	50	40		1	80	6.9	10-168	20	04/07/2014 1118
2-Butanone (MEK)	100	100		1	101	4.8	57-148	20	04/07/2014 1118
Carbon disulfide	50	41		1	81	11	58-122	20	04/07/2014 1118
Carbon tetrachloride	50	41		1	82	11	58-136	20	04/07/2014 1118
Chlorobenzene	50	42		1	84	4.5	59-129	20	04/07/2014 1118
Chloroethane	50	40		1	79	8.1	42-163	20	04/07/2014 1118
Chloroform	50	42		1	84	4.4	71-125	20	04/07/2014 1118
Chloromethane (Methyl chloride)	50	40		1	80	6.5	34-134	20	04/07/2014 1118
Cyclohexane	50	42		1	84	7.8	53-139	20	04/07/2014 1118
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	1.9	55-125	20	04/07/2014 1118
Dibromochloromethane	50	45		1	90	1.9	66-119	20	04/07/2014 1118
1,2-Dibromoethane (EDB)	50	45		1	89	0.77	74-124	20	04/07/2014 1118
1,2-Dichlorobenzene	50	42		1	84	3.7	57-131	20	04/07/2014 1118
1,3-Dichlorobenzene	50	41		1	82	2.6	51-134	20	04/07/2014 1118
1,4-Dichlorobenzene	50	40		1	81	5.5	52-133	20	04/07/2014 1118
Dichlorodifluoromethane	50	40		1	81	11	10-157	20	04/07/2014 1118
1,1-Dichloroethane	50	40		1	80	8.4	71-127	20	04/07/2014 1118
1,2-Dichloroethane	50	43		1	87	3.0	67-129	20	04/07/2014 1118
1,1-Dichloroethene	50	40		1	80	12	69-138	20	04/07/2014 1118
cis-1,2-Dichloroethene	50	42		1	85	3.9	70-122	20	04/07/2014 1118
trans-1,2-Dichloroethene	50	41		1	81	6.5	68-131	20	04/07/2014 1118
1,2-Dichloropropane	50	43		1	85	1.8	72-124	20	04/07/2014 1118
cis-1,3-Dichloropropene	50	44		1	88	1.5	70-126	20	04/07/2014 1118
trans-1,3-Dichloropropene	50	44		1	88	0.29	70-124	20	04/07/2014 1118
Ethylbenzene	50	42		1	83	2.4	59-128	20	04/07/2014 1118
2-Hexanone	100	96		1	96	7.3	54-137	20	04/07/2014 1118
Isopropylbenzene	50	41		1	83	9.0	50-136	20	04/07/2014 1118
Methyl acetate	50	50		1	100	4.1	59-137	20	04/07/2014 1118
Methyl tertiary butyl ether (MTBE)	50	43		1	85	0.17	70-130	20	04/07/2014 1118
4-Methyl-2-pentanone	100	98		1	98	1.7	60-134	20	04/07/2014 1118
Methylcyclohexane	50	43		1	87	3.8	41-144	20	04/07/2014 1118
Methylene chloride	50	40		1	79	8.5	70-130	20	04/07/2014 1118
Styrene	50	44		1	89	0.25	54-136	20	04/07/2014 1118
1,1,2,2-Tetrachloroethane	50	44		1	89	2.1	69-132	20	04/07/2014 1118
Tetrachloroethene	50	42		1	84	7.2	45-150	20	04/07/2014 1118
Toluene	50	41		1	82	6.2	61-129	20	04/07/2014 1118
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	94	7.1	49-136	20	04/07/2014 1118
1,2,4-Trichlorobenzene	50	42		1	84	6.8	34-145	20	04/07/2014 1118
1,1,2-Trichloroethane	50	43		1	87	5.5	55-128	20	04/07/2014 1118
1,1,1-Trichloroethane	50	41		1	82	9.8	63-128	20	04/07/2014 1118

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44164-003
Batch: 44164
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	3.5	62-126	20	04/07/2014 1118
Trichlorofluoromethane	50	41		1	82	11	45-138	20	04/07/2014 1118
Vinyl chloride	50	40		1	80	7.8	42-132	20	04/07/2014 1118
Xylenes (total)	100	87		1	87	1.8	58-128	20	04/07/2014 1118

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44226-001
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/08/2014 0102
Benzene	ND		1	5.0	1.1	ug/kg	04/08/2014 0102
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
Bromoform	ND		1	5.0	0.70	ug/kg	04/08/2014 0102
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/08/2014 0102
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/08/2014 0102
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/08/2014 0102
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/08/2014 0102
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
Chloroethane	ND		1	5.0	1.3	ug/kg	04/08/2014 0102
Chloroform	ND		1	5.0	0.83	ug/kg	04/08/2014 0102
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/08/2014 0102
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/08/2014 0102
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/08/2014 0102
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/08/2014 0102
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/08/2014 0102
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/08/2014 0102
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/08/2014 0102
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/08/2014 0102
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/08/2014 0102
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/08/2014 0102
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/08/2014 0102
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/08/2014 0102
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
2-Hexanone	ND		1	10	1.3	ug/kg	04/08/2014 0102
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/08/2014 0102
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/08/2014 0102
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/08/2014 0102
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/08/2014 0102
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/08/2014 0102
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/08/2014 0102
Styrene	ND		1	5.0	1.1	ug/kg	04/08/2014 0102
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/08/2014 0102
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/08/2014 0102
Toluene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/08/2014 0102
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/08/2014 0102
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/08/2014 0102

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44226-001
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/08/2014 0102
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/08/2014 0102
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/08/2014 0102
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/08/2014 0102

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44226-002
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	112	60-140	04/07/2014 2318
Benzene	50	46		1	91	69-123	04/07/2014 2318
Bromodichloromethane	50	45		1	90	69-121	04/07/2014 2318
Bromoform	50	49		1	98	61-119	04/07/2014 2318
Bromomethane (Methyl bromide)	50	44		1	88	10-168	04/07/2014 2318
2-Butanone (MEK)	100	120		1	117	57-148	04/07/2014 2318
Carbon disulfide	50	44		1	88	58-122	04/07/2014 2318
Carbon tetrachloride	50	45		1	89	58-136	04/07/2014 2318
Chlorobenzene	50	43		1	87	59-129	04/07/2014 2318
Chloroethane	50	42		1	84	42-163	04/07/2014 2318
Chloroform	50	44		1	88	71-125	04/07/2014 2318
Chloromethane (Methyl chloride)	50	42		1	84	34-134	04/07/2014 2318
Cyclohexane	50	44		1	88	53-139	04/07/2014 2318
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	55-125	04/07/2014 2318
Dibromochloromethane	50	45		1	90	66-119	04/07/2014 2318
1,2-Dibromoethane (EDB)	50	47		1	95	74-124	04/07/2014 2318
1,4-Dichlorobenzene	50	44		1	87	52-133	04/07/2014 2318
1,3-Dichlorobenzene	50	44		1	88	51-134	04/07/2014 2318
1,2-Dichlorobenzene	50	43		1	86	57-131	04/07/2014 2318
Dichlorodifluoromethane	50	45		1	90	10-157	04/07/2014 2318
1,2-Dichloroethane	50	45		1	91	67-129	04/07/2014 2318
1,1-Dichloroethane	50	43		1	86	71-127	04/07/2014 2318
trans-1,2-Dichloroethene	50	45		1	89	68-131	04/07/2014 2318
cis-1,2-Dichloroethene	50	44		1	87	70-122	04/07/2014 2318
1,1-Dichloroethene	50	45		1	89	69-138	04/07/2014 2318
1,2-Dichloropropane	50	46		1	92	72-124	04/07/2014 2318
trans-1,3-Dichloropropene	50	46		1	92	70-124	04/07/2014 2318
cis-1,3-Dichloropropene	50	47		1	94	70-126	04/07/2014 2318
Ethylbenzene	50	44		1	89	59-128	04/07/2014 2318
2-Hexanone	100	110		1	112	54-137	04/07/2014 2318
Isopropylbenzene	50	46		1	92	50-136	04/07/2014 2318
Methyl acetate	50	56		1	112	59-137	04/07/2014 2318
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	04/07/2014 2318
4-Methyl-2-pentanone	100	120		1	115	60-134	04/07/2014 2318
Methylcyclohexane	50	47		1	94	41-144	04/07/2014 2318
Methylene chloride	50	43		1	85	70-130	04/07/2014 2318
Styrene	50	43		1	86	54-136	04/07/2014 2318
1,1,2,2-Tetrachloroethane	50	49		1	99	69-132	04/07/2014 2318
Tetrachloroethene	50	43		1	85	45-150	04/07/2014 2318
Toluene	50	44		1	87	61-129	04/07/2014 2318
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	49-136	04/07/2014 2318
1,2,4-Trichlorobenzene	50	46		1	91	34-145	04/07/2014 2318
1,1,2-Trichloroethane	50	44		1	87	55-128	04/07/2014 2318
1,1,1-Trichloroethane	50	44		1	89	63-128	04/07/2014 2318

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44226-002
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	92	62-126	04/07/2014 2318
Trichlorofluoromethane	50	43		1	85	45-138	04/07/2014 2318
Vinyl chloride	50	42		1	85	42-132	04/07/2014 2318
Xylenes (total)	100	89		1	89	58-128	04/07/2014 2318

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44226-003
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	99		1	99	12	60-140	20	04/07/2014 2341
Benzene	50	41		1	82	11	69-123	20	04/07/2014 2341
Bromodichloromethane	50	42		1	85	6.0	69-121	20	04/07/2014 2341
Bromoform	50	46		1	92	5.7	61-119	20	04/07/2014 2341
Bromomethane (Methyl bromide)	50	42		1	84	4.2	10-168	20	04/07/2014 2341
2-Butanone (MEK)	100	110		1	106	9.7	57-148	20	04/07/2014 2341
Carbon disulfide	50	42		1	84	4.8	58-122	20	04/07/2014 2341
Carbon tetrachloride	50	42		1	84	6.1	58-136	20	04/07/2014 2341
Chlorobenzene	50	42		1	84	2.7	59-129	20	04/07/2014 2341
Chloroethane	50	40		1	81	3.8	42-163	20	04/07/2014 2341
Chloroform	50	43		1	86	2.2	71-125	20	04/07/2014 2341
Chloromethane (Methyl chloride)	50	39		1	78	7.5	34-134	20	04/07/2014 2341
Cyclohexane	50	43		1	86	2.6	53-139	20	04/07/2014 2341
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	12	55-125	20	04/07/2014 2341
Dibromochloromethane	50	45		1	91	0.84	66-119	20	04/07/2014 2341
1,2-Dibromoethane (EDB)	50	46		1	92	3.4	74-124	20	04/07/2014 2341
1,4-Dichlorobenzene	50	41		1	82	6.9	52-133	20	04/07/2014 2341
1,3-Dichlorobenzene	50	41		1	83	6.2	51-134	20	04/07/2014 2341
1,2-Dichlorobenzene	50	43		1	87	0.32	57-131	20	04/07/2014 2341
Dichlorodifluoromethane	50	45		1	89	1.3	10-157	20	04/07/2014 2341
1,2-Dichloroethane	50	43		1	86	4.8	67-129	20	04/07/2014 2341
1,1-Dichloroethane	50	42		1	84	2.1	71-127	20	04/07/2014 2341
trans-1,2-Dichloroethene	50	42		1	85	5.3	68-131	20	04/07/2014 2341
cis-1,2-Dichloroethene	50	43		1	85	2.4	70-122	20	04/07/2014 2341
1,1-Dichloroethene	50	42		1	84	6.5	69-138	20	04/07/2014 2341
1,2-Dichloropropane	50	43		1	85	7.3	72-124	20	04/07/2014 2341
trans-1,3-Dichloropropene	50	45		1	90	2.5	70-124	20	04/07/2014 2341
cis-1,3-Dichloropropene	50	43		1	86	9.5	70-126	20	04/07/2014 2341
Ethylbenzene	50	43		1	87	2.4	59-128	20	04/07/2014 2341
2-Hexanone	100	98		1	98	13	54-137	20	04/07/2014 2341
Isopropylbenzene	50	43		1	86	6.9	50-136	20	04/07/2014 2341
Methyl acetate	50	50		1	99	12	59-137	20	04/07/2014 2341
Methyl tertiary butyl ether (MTBE)	50	52		1	104	3.8	70-130	20	04/07/2014 2341
4-Methyl-2-pentanone	100	99		1	99	15	60-134	20	04/07/2014 2341
Methylcyclohexane	50	44		1	88	6.6	41-144	20	04/07/2014 2341
Methylene chloride	50	42		1	83	2.6	70-130	20	04/07/2014 2341
Styrene	50	43		1	86	0.014	54-136	20	04/07/2014 2341
1,1,2,2-Tetrachloroethane	50	45		1	91	8.2	69-132	20	04/07/2014 2341
Tetrachloroethene	50	43		1	86	1.6	45-150	20	04/07/2014 2341
Toluene	50	41		1	81	6.8	61-129	20	04/07/2014 2341
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	4.7	49-136	20	04/07/2014 2341
1,2,4-Trichlorobenzene	50	43		1	85	6.7	34-145	20	04/07/2014 2341
1,1,2-Trichloroethane	50	42		1	84	4.3	55-128	20	04/07/2014 2341
1,1,1-Trichloroethane	50	43		1	86	3.6	63-128	20	04/07/2014 2341

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44226-003
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	8.6	62-126	20	04/07/2014 2341
Trichlorofluoromethane	50	41		1	82	4.3	45-138	20	04/07/2014 2341
Vinyl chloride	50	40		1	79	6.8	42-132	20	04/07/2014 2341
Xylenes (total)	100	87		1	87	1.8	58-128	20	04/07/2014 2341

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD02110-012MS
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	8.5	120	110		1	96	60-140	04/08/2014 0612
Benzene	ND	59	58		1	98	69-123	04/08/2014 0612
Bromodichloromethane	ND	59	55		1	94	69-121	04/08/2014 0612
Bromoform	ND	59	55		1	94	61-119	04/08/2014 0612
Bromomethane (Methyl bromide)	ND	59	58		1	99	35-144	04/08/2014 0612
2-Butanone (MEK)	ND	120	120		1	104	57-148	04/08/2014 0612
Carbon disulfide	ND	59	60		1	102	58-122	04/08/2014 0612
Carbon tetrachloride	ND	59	60		1	102	58-136	04/08/2014 0612
Chlorobenzene	ND	59	51		1	87	59-129	04/08/2014 0612
Chloroethane	ND	59	59		1	101	50-132	04/08/2014 0612
Chloroform	ND	59	58		1	99	71-125	04/08/2014 0612
Chloromethane (Methyl chloride)	ND	59	57		1	98	34-134	04/08/2014 0612
Cyclohexane	ND	59	61		1	104	53-139	04/08/2014 0612
1,2-Dibromo-3-chloropropane (DBCP)	ND	59	57		1	96	55-125	04/08/2014 0612
Dibromochloromethane	ND	59	55		1	93	66-119	04/08/2014 0612
1,2-Dibromoethane (EDB)	ND	59	55		1	95	74-124	04/08/2014 0612
1,2-Dichlorobenzene	ND	59	46		1	78	57-131	04/08/2014 0612
1,3-Dichlorobenzene	ND	59	44		1	74	51-134	04/08/2014 0612
1,4-Dichlorobenzene	ND	59	44		1	74	52-133	04/08/2014 0612
Dichlorodifluoromethane	ND	59	70		1	119	10-157	04/08/2014 0612
1,1-Dichloroethane	ND	59	58		1	99	71-127	04/08/2014 0612
1,2-Dichloroethane	ND	59	56		1	95	67-129	04/08/2014 0612
1,1-Dichloroethene	ND	59	61		1	104	69-138	04/08/2014 0612
cis-1,2-Dichloroethene	ND	59	57		1	97	70-122	04/08/2014 0612
trans-1,2-Dichloroethene	ND	59	59		1	101	68-131	04/08/2014 0612
1,2-Dichloropropane	ND	59	57		1	97	72-124	04/08/2014 0612
cis-1,3-Dichloropropene	ND	59	56		1	95	70-126	04/08/2014 0612
trans-1,3-Dichloropropene	ND	59	53		1	91	70-124	04/08/2014 0612
Ethylbenzene	ND	59	50		1	86	59-128	04/08/2014 0612
2-Hexanone	ND	120	110		1	91	54-137	04/08/2014 0612
Isopropylbenzene	ND	59	51		1	88	50-136	04/08/2014 0612
Methyl acetate	ND	59	66		1	113	59-137	04/08/2014 0612
Methyl tertiary butyl ether (MTBE)	ND	59	59		1	100	70-130	04/08/2014 0612
4-Methyl-2-pentanone	ND	120	110		1	95	60-134	04/08/2014 0612
Methylcyclohexane	ND	59	61		1	105	41-144	04/08/2014 0612
Methylene chloride	ND	59	55		1	93	77-129	04/08/2014 0612
Styrene	ND	59	50		1	84	54-136	04/08/2014 0612
1,1,2,2-Tetrachloroethane	ND	59	58		1	98	69-132	04/08/2014 0612
Tetrachloroethene	0.71	59	53		1	89	70-130	04/08/2014 0612
Toluene	ND	59	53		1	90	61-129	04/08/2014 0612
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	59	72		1	122	49-136	04/08/2014 0612
1,2,4-Trichlorobenzene	ND	59	41		1	69	34-145	04/08/2014 0612
1,1,1-Trichloroethane	ND	59	60		1	102	63-128	04/08/2014 0612
1,1,2-Trichloroethane	ND	59	53		1	90	55-128	04/08/2014 0612

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD02110-012MS
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	59	56		1	95	62-126	04/08/2014 0612
Trichlorofluoromethane	ND	59	61		1	104	45-138	04/08/2014 0612
Vinyl chloride	ND	59	61		1	104	42-132	04/08/2014 0612
Xylenes (total)	ND	120	100		1	86	58-128	04/08/2014 0612

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD02110-012MD
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	8.5	130	120		1	90	5.6	60-140	20	04/08/2014 0636
Benzene	ND	67	57		1	85	1.6	69-123	20	04/08/2014 0636
Bromodichloromethane	ND	67	54		1	81	2.1	69-121	20	04/08/2014 0636
Bromoform	ND	67	56		1	84	1.0	61-119	20	04/08/2014 0636
Bromomethane (Methyl bromide)	ND	67	57		1	85	2.5	35-144	20	04/08/2014 0636
2-Butanone (MEK)	ND	130	130		1	95	3.1	57-148	20	04/08/2014 0636
Carbon disulfide	ND	67	59		1	88	2.5	58-122	20	04/08/2014 0636
Carbon tetrachloride	ND	67	58		1	88	2.6	58-136	20	04/08/2014 0636
Chlorobenzene	ND	67	53		1	80	3.9	59-129	20	04/08/2014 0636
Chloroethane	ND	67	55		1	83	6.5	50-132	20	04/08/2014 0636
Chloroform	ND	67	57		1	85	2.4	71-125	20	04/08/2014 0636
Chloromethane (Methyl chloride)	ND	67	55		1	82	4.6	34-134	20	04/08/2014 0636
Cyclohexane	ND	67	59		1	89	2.7	53-139	20	04/08/2014 0636
1,2-Dibromo-3-chloropropane (DBCP)	ND	67	59		1	88	3.9	55-125	20	04/08/2014 0636
Dibromochloromethane	ND	67	57		1	86	4.4	66-119	20	04/08/2014 0636
1,2-Dibromoethane (EDB)	ND	67	55		1	83	0.45	74-124	20	04/08/2014 0636
1,2-Dichlorobenzene	ND	67	54		1	81	16	57-131	20	04/08/2014 0636
1,3-Dichlorobenzene	ND	67	51		1	76	15	51-134	20	04/08/2014 0636
1,4-Dichlorobenzene	ND	67	52		1	78	17	52-133	20	04/08/2014 0636
Dichlorodifluoromethane	ND	67	63		1	94	10	10-157	20	04/08/2014 0636
1,1-Dichloroethane	ND	67	55		1	83	4.7	71-127	20	04/08/2014 0636
1,2-Dichloroethane	ND	67	56		1	84	0.0096	67-129	20	04/08/2014 0636
1,1-Dichloroethene	ND	67	59		1	88	3.7	69-138	20	04/08/2014 0636
cis-1,2-Dichloroethene	ND	67	56		1	85	1.2	70-122	20	04/08/2014 0636
trans-1,2-Dichloroethene	ND	67	58		1	87	1.9	68-131	20	04/08/2014 0636
1,2-Dichloropropane	ND	67	54		1	81	4.5	72-124	20	04/08/2014 0636
cis-1,3-Dichloropropene	ND	67	56		1	84	1.2	70-126	20	04/08/2014 0636
trans-1,3-Dichloropropene	ND	67	55		1	82	2.9	70-124	20	04/08/2014 0636
Ethylbenzene	ND	67	54		1	81	7.5	59-128	20	04/08/2014 0636
2-Hexanone	ND	130	110		1	82	1.9	54-137	20	04/08/2014 0636
Isopropylbenzene	ND	67	57		1	86	11	50-136	20	04/08/2014 0636
Methyl acetate	ND	67	65		1	97	2.6	59-137	20	04/08/2014 0636
Methyl tertiary butyl ether (MTBE)	ND	67	62		1	93	5.6	70-130	20	04/08/2014 0636
4-Methyl-2-pentanone	ND	130	120		1	88	5.1	60-134	20	04/08/2014 0636
Methylcyclohexane	ND	67	60		1	89	3.1	41-144	20	04/08/2014 0636
Methylene chloride	ND	67	54		1	81	1.4	77-129	20	04/08/2014 0636
Styrene	ND	67	55		1	83	11	54-136	20	04/08/2014 0636
1,1,2,2-Tetrachloroethane	ND	67	58		1	86	0.13	69-132	20	04/08/2014 0636
Tetrachloroethene	0.71	67	56		1	83	5.8	70-130	20	04/08/2014 0636
Toluene	ND	67	53		1	80	1.7	61-129	20	04/08/2014 0636
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	67	68		1	101	5.8	49-136	20	04/08/2014 0636
1,2,4-Trichlorobenzene	ND	67	49		1	74	19	34-145	20	04/08/2014 0636
1,1,1-Trichloroethane	ND	67	59		1	88	1.9	63-128	20	04/08/2014 0636
1,1,2-Trichloroethane	ND	67	53		1	79	0.25	55-128	20	04/08/2014 0636

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD02110-012MD
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	67	56		1	84	0.13	62-126	20	04/08/2014 0636
Trichlorofluoromethane	ND	67	58		1	87	4.7	45-138	20	04/08/2014 0636
Vinyl chloride	ND	67	57		1	86	5.6	42-132	20	04/08/2014 0636
Xylenes (total)	ND	130	110		1	83	9.1	58-128	20	04/08/2014 0636

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		106	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44294-001
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/08/2014 1352

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44294-002
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	44		1	88	45-150	04/08/2014 1134

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44294-003
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	50	42		1	83	5.5	45-150	20	04/08/2014 1157

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44295-001
Batch: 44295
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/07/2014 1924
Benzene	ND		50	250	55	ug/kg	04/07/2014 1924
Bromodichloromethane	ND		50	250	85	ug/kg	04/07/2014 1924
Bromoform	ND		50	250	35	ug/kg	04/07/2014 1924
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/07/2014 1924
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/07/2014 1924
Carbon disulfide	ND		50	250	65	ug/kg	04/07/2014 1924
Carbon tetrachloride	ND		50	250	90	ug/kg	04/07/2014 1924
Chlorobenzene	ND		50	250	85	ug/kg	04/07/2014 1924
Chloroethane	ND		50	250	65	ug/kg	04/07/2014 1924
Chloroform	ND		50	250	42	ug/kg	04/07/2014 1924
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/07/2014 1924
Cyclohexane	ND		50	250	34	ug/kg	04/07/2014 1924
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/07/2014 1924
Dibromochloromethane	ND		50	250	85	ug/kg	04/07/2014 1924
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/07/2014 1924
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/07/2014 1924
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/07/2014 1924
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/07/2014 1924
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/07/2014 1924
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/07/2014 1924
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/07/2014 1924
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/07/2014 1924
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/07/2014 1924
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/07/2014 1924
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/07/2014 1924
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/07/2014 1924
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/07/2014 1924
Ethylbenzene	ND		50	250	85	ug/kg	04/07/2014 1924
2-Hexanone	ND		50	500	65	ug/kg	04/07/2014 1924
Isopropylbenzene	ND		50	250	12	ug/kg	04/07/2014 1924
Methyl acetate	ND		50	250	49	ug/kg	04/07/2014 1924
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/07/2014 1924
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/07/2014 1924
Methylcyclohexane	ND		50	250	21	ug/kg	04/07/2014 1924
Methylene chloride	ND		50	250	130	ug/kg	04/07/2014 1924
Styrene	ND		50	250	55	ug/kg	04/07/2014 1924
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/07/2014 1924
Tetrachloroethene	46	J	50	250	25	ug/kg	04/07/2014 1924
Toluene	ND		50	250	85	ug/kg	04/07/2014 1924
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/07/2014 1924
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/07/2014 1924
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/07/2014 1924
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/07/2014 1924

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44295-001
Batch: 44295
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/07/2014 1924
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/07/2014 1924
Vinyl chloride	ND		50	250	43	ug/kg	04/07/2014 1924
Xylenes (total)	ND		50	250	150	ug/kg	04/07/2014 1924

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		114	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44295-002
Batch: 44295
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	4700		50	95	60-140	04/08/2014 1306
Benzene	2500	3000		50	119	69-123	04/08/2014 1306
Bromodichloromethane	2500	2900		50	117	69-121	04/08/2014 1306
Bromoform	2500	2800		50	111	61-119	04/08/2014 1306
Bromomethane (Methyl bromide)	2500	2000		50	80	10-168	04/08/2014 1306
2-Butanone (MEK)	5000	5500		50	111	57-148	04/08/2014 1306
Carbon disulfide	2500	2700		50	107	58-122	04/08/2014 1306
Carbon tetrachloride	2500	3000		50	121	58-136	04/08/2014 1306
Chlorobenzene	2500	2800		50	112	59-129	04/08/2014 1306
Chloroethane	2500	2700		50	106	42-163	04/08/2014 1306
Chloroform	2500	2900		50	117	71-125	04/08/2014 1306
Chloromethane (Methyl chloride)	2500	2300		50	93	34-134	04/08/2014 1306
Cyclohexane	2500	2900		50	117	53-139	04/08/2014 1306
1,2-Dibromo-3-chloropropane (DBCP)	2500	2700		50	107	55-125	04/08/2014 1306
Dibromochloromethane	2500	2900		50	117	66-119	04/08/2014 1306
1,2-Dibromoethane (EDB)	2500	2900		50	115	74-124	04/08/2014 1306
1,4-Dichlorobenzene	2500	2800		50	111	52-133	04/08/2014 1306
1,3-Dichlorobenzene	2500	2800		50	112	51-134	04/08/2014 1306
1,2-Dichlorobenzene	2500	2800		50	112	57-131	04/08/2014 1306
Dichlorodifluoromethane	2500	2400		50	96	10-157	04/08/2014 1306
1,2-Dichloroethane	2500	2900		50	117	67-129	04/08/2014 1306
1,1-Dichloroethane	2500	2900		50	115	71-127	04/08/2014 1306
trans-1,2-Dichloroethene	2500	2900		50	117	68-131	04/08/2014 1306
cis-1,2-Dichloroethene	2500	2900		50	118	70-122	04/08/2014 1306
1,1-Dichloroethene	2500	2900		50	114	69-138	04/08/2014 1306
1,2-Dichloropropane	2500	3000		50	118	72-124	04/08/2014 1306
trans-1,3-Dichloropropene	2500	3000		50	119	70-124	04/08/2014 1306
cis-1,3-Dichloropropene	2500	3100		50	124	70-126	04/08/2014 1306
Ethylbenzene	2500	2900		50	117	59-128	04/08/2014 1306
2-Hexanone	5000	5100		50	102	54-137	04/08/2014 1306
Isopropylbenzene	2500	3100		50	123	50-136	04/08/2014 1306
Methyl acetate	2500	2900		50	117	59-137	04/08/2014 1306
Methyl tertiary butyl ether (MTBE)	2500	3400	N	50	138	70-130	04/08/2014 1306
4-Methyl-2-pentanone	5000	5300		50	106	60-134	04/08/2014 1306
Methylcyclohexane	2500	3100		50	124	41-144	04/08/2014 1306
Methylene chloride	2500	2800		50	110	70-130	04/08/2014 1306
Styrene	2500	2900		50	117	54-136	04/08/2014 1306
1,1,2,2-Tetrachloroethane	2500	2800		50	113	69-132	04/08/2014 1306
Tetrachloroethene	2500	2800		50	112	45-150	04/08/2014 1306
Toluene	2500	2900		50	114	61-129	04/08/2014 1306
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3300		50	131	49-136	04/08/2014 1306
1,2,4-Trichlorobenzene	2500	2600		50	105	34-145	04/08/2014 1306
1,1,2-Trichloroethane	2500	2800		50	112	55-128	04/08/2014 1306
1,1,1-Trichloroethane	2500	3000		50	119	63-128	04/08/2014 1306

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44295-002
Batch: 44295
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2900		50	116	62-126	04/08/2014 1306
Trichlorofluoromethane	2500	2800		50	114	45-138	04/08/2014 1306
Vinyl chloride	2500	2500		50	102	42-132	04/08/2014 1306
Xylenes (total)	5000	5900		50	117	58-128	04/08/2014 1306

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		115	53-142
Toluene-d8		118	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44295-003
Batch: 44295
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	4900		50	98	3.3	60-140	20	04/08/2014 1329
Benzene	2500	3000		50	121	1.8	69-123	20	04/08/2014 1329
Bromodichloromethane	2500	2900		50	118	0.75	69-121	20	04/08/2014 1329
Bromoform	2500	2900		50	115	3.0	61-119	20	04/08/2014 1329
Bromomethane (Methyl bromide)	2500	2000		50	82	1.9	10-168	20	04/08/2014 1329
2-Butanone (MEK)	5000	5800		50	117	5.1	57-148	20	04/08/2014 1329
Carbon disulfide	2500	2800		50	110	3.2	58-122	20	04/08/2014 1329
Carbon tetrachloride	2500	3000		50	121	0.21	58-136	20	04/08/2014 1329
Chlorobenzene	2500	2900		50	116	3.3	59-129	20	04/08/2014 1329
Chloroethane	2500	2800		50	110	3.7	42-163	20	04/08/2014 1329
Chloroform	2500	3000		50	119	1.9	71-125	20	04/08/2014 1329
Chloromethane (Methyl chloride)	2500	2400		50	95	1.9	34-134	20	04/08/2014 1329
Cyclohexane	2500	3000		50	120	2.7	53-139	20	04/08/2014 1329
1,2-Dibromo-3-chloropropane (DBCP)	2500	2700		50	107	0.21	55-125	20	04/08/2014 1329
Dibromochloromethane	2500	3000		50	118	1.0	66-119	20	04/08/2014 1329
1,2-Dibromoethane (EDB)	2500	2900		50	117	2.0	74-124	20	04/08/2014 1329
1,4-Dichlorobenzene	2500	2900		50	115	3.6	52-133	20	04/08/2014 1329
1,3-Dichlorobenzene	2500	2800		50	111	1.0	51-134	20	04/08/2014 1329
1,2-Dichlorobenzene	2500	2900		50	115	2.7	57-131	20	04/08/2014 1329
Dichlorodifluoromethane	2500	2500		50	99	3.3	10-157	20	04/08/2014 1329
1,2-Dichloroethane	2500	3000		50	121	3.4	67-129	20	04/08/2014 1329
1,1-Dichloroethane	2500	2900		50	117	1.6	71-127	20	04/08/2014 1329
trans-1,2-Dichloroethene	2500	3000		50	119	1.1	68-131	20	04/08/2014 1329
cis-1,2-Dichloroethene	2500	3000		50	120	1.8	70-122	20	04/08/2014 1329
1,1-Dichloroethene	2500	2900		50	118	3.2	69-138	20	04/08/2014 1329
1,2-Dichloropropane	2500	3000		50	120	1.3	72-124	20	04/08/2014 1329
trans-1,3-Dichloropropene	2500	2900		50	118	0.92	70-124	20	04/08/2014 1329
cis-1,3-Dichloropropene	2500	3100		50	124	0.027	70-126	20	04/08/2014 1329
Ethylbenzene	2500	2900		50	116	1.0	59-128	20	04/08/2014 1329
2-Hexanone	5000	5400		50	107	5.3	54-137	20	04/08/2014 1329
Isopropylbenzene	2500	3200		50	126	2.3	50-136	20	04/08/2014 1329
Methyl acetate	2500	3100		50	124	5.5	59-137	20	04/08/2014 1329
Methyl tertiary butyl ether (MTBE)	2500	3600	N	50	142	3.1	70-130	20	04/08/2014 1329
4-Methyl-2-pentanone	5000	5600		50	112	4.7	60-134	20	04/08/2014 1329
Methylcyclohexane	2500	3100		50	124	0.041	41-144	20	04/08/2014 1329
Methylene chloride	2500	2800		50	113	2.4	70-130	20	04/08/2014 1329
Styrene	2500	3000		50	118	0.87	54-136	20	04/08/2014 1329
1,1,2,2-Tetrachloroethane	2500	2900		50	115	2.1	69-132	20	04/08/2014 1329
Tetrachloroethene	2500	2900		50	116	3.3	45-150	20	04/08/2014 1329
Toluene	2500	2900		50	114	0.094	61-129	20	04/08/2014 1329
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3400		50	134	2.8	49-136	20	04/08/2014 1329
1,2,4-Trichlorobenzene	2500	2800		50	111	5.7	34-145	20	04/08/2014 1329
1,1,2-Trichloroethane	2500	2800		50	114	2.1	55-128	20	04/08/2014 1329
1,1,1-Trichloroethane	2500	3000		50	119	0.027	63-128	20	04/08/2014 1329

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44295-003
Batch: 44295
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	3000		50	118	2.2	62-126	20	04/08/2014 1329
Trichlorofluoromethane	2500	2900		50	116	1.8	45-138	20	04/08/2014 1329
Vinyl chloride	2500	2500		50	99	2.5	42-132	20	04/08/2014 1329
Xylenes (total)	5000	5900		50	119	1.2	58-128	20	04/08/2014 1329

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	47-138
1,2-Dichloroethane-d4		118	53-142
Toluene-d8		118	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44327-001
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/09/2014 0155

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44327-002
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	41		1	82	45-150	04/09/2014 0023

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		108	53-142
Toluene-d8		110	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44327-003
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	50	40		1	79	3.2	45-150	20	04/09/2014 0046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44378-001
Batch: 44378
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	46	J	50	250	25	ug/kg	04/07/2014 1924

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		114	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44378-002
Batch: 44378
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	2500	2800		50	112	45-150	04/08/2014 1306

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		115	53-142
Toluene-d8		118	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44378-003
Batch: 44378
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	2500	2900		50	116	3.3	45-150	20	04/08/2014 1329

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	47-138
1,2-Dichloroethane-d4		118	53-142
Toluene-d8		118	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/09/2014 2324
Benzene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Bromoform	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/09/2014 2324
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/09/2014 2324
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloroethane	ND		1	5.0	0.50	ug/L	04/09/2014 2324
Chloroform	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Cyclohexane	ND		1	5.0	0.98	ug/L	04/09/2014 2324
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/09/2014 2324
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/09/2014 2324
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
2-Hexanone	ND		1	10	1.0	ug/L	04/09/2014 2324
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/09/2014 2324
Methyl acetate	ND		1	5.0	0.72	ug/L	04/09/2014 2324
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/09/2014 2324
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/09/2014 2324
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/09/2014 2324
Methylene chloride	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Styrene	ND		1	5.0	0.10	ug/L	04/09/2014 2324
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Toluene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/09/2014 2324
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/09/2014 2324

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	107	60-140	04/09/2014 2153
Benzene	50	51		1	103	70-130	04/09/2014 2153
Bromodichloromethane	50	50		1	100	70-130	04/09/2014 2153
Bromoform	50	39		1	79	70-130	04/09/2014 2153
Bromomethane (Methyl bromide)	50	40		1	80	60-140	04/09/2014 2153
2-Butanone (MEK)	100	94		1	94	60-140	04/09/2014 2153
Carbon disulfide	50	52		1	104	60-140	04/09/2014 2153
Carbon tetrachloride	50	49		1	99	70-130	04/09/2014 2153
Chlorobenzene	50	50		1	99	70-130	04/09/2014 2153
Chloroethane	50	42		1	84	42-163	04/09/2014 2153
Chloroform	50	50		1	100	70-130	04/09/2014 2153
Chloromethane (Methyl chloride)	50	50		1	99	60-140	04/09/2014 2153
Cyclohexane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	70-130	04/09/2014 2153
Dibromochloromethane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	04/09/2014 2153
1,4-Dichlorobenzene	50	50		1	101	70-130	04/09/2014 2153
1,3-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
1,2-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
Dichlorodifluoromethane	50	52		1	104	60-140	04/09/2014 2153
1,2-Dichloroethane	50	50		1	100	70-130	04/09/2014 2153
1,1-Dichloroethane	50	49		1	99	70-130	04/09/2014 2153
trans-1,2-Dichloroethene	50	49		1	99	70-130	04/09/2014 2153
cis-1,2-Dichloroethene	50	50		1	101	70-130	04/09/2014 2153
1,1-Dichloroethene	50	52		1	104	70-130	04/09/2014 2153
1,2-Dichloropropane	50	51		1	101	70-130	04/09/2014 2153
trans-1,3-Dichloropropene	50	51		1	102	70-130	04/09/2014 2153
cis-1,3-Dichloropropene	50	51		1	103	70-130	04/09/2014 2153
Ethylbenzene	50	50		1	100	70-130	04/09/2014 2153
2-Hexanone	100	100		1	100	60-140	04/09/2014 2153
Isopropylbenzene	50	52		1	103	70-130	04/09/2014 2153
Methyl acetate	50	52		1	104	70-130	04/09/2014 2153
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	04/09/2014 2153
4-Methyl-2-pentanone	100	99		1	99	60-140	04/09/2014 2153
Methylcyclohexane	50	52		1	103	70-130	04/09/2014 2153
Methylene chloride	50	47		1	94	70-130	04/09/2014 2153
Styrene	50	52		1	103	70-130	04/09/2014 2153
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	04/09/2014 2153
Tetrachloroethene	50	49		1	99	70-130	04/09/2014 2153
Toluene	50	50		1	100	70-130	04/09/2014 2153
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	114	70-130	04/09/2014 2153
1,2,4-Trichlorobenzene	50	54		1	108	70-130	04/09/2014 2153
1,1,2-Trichloroethane	50	49		1	97	70-130	04/09/2014 2153
1,1,1-Trichloroethane	50	49		1	98	70-130	04/09/2014 2153

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	70-130	04/09/2014 2153
Trichlorofluoromethane	50	42		1	85	70-130	04/09/2014 2153
Vinyl chloride	50	49		1	98	70-130	04/09/2014 2153
Xylenes (total)	100	100		1	102	70-130	04/09/2014 2153

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	109	1.0	60-140	20	04/09/2014 2216
Benzene	50	51		1	101	1.4	70-130	20	04/09/2014 2216
Bromodichloromethane	50	50		1	101	0.34	70-130	20	04/09/2014 2216
Bromoform	50	41		1	83	4.9	70-130	20	04/09/2014 2216
Bromomethane (Methyl bromide)	50	47		1	95	17	60-140	20	04/09/2014 2216
2-Butanone (MEK)	100	98		1	98	3.7	60-140	20	04/09/2014 2216
Carbon disulfide	50	52		1	104	0.23	60-140	20	04/09/2014 2216
Carbon tetrachloride	50	50		1	101	2.1	70-130	20	04/09/2014 2216
Chlorobenzene	50	50		1	100	0.42	70-130	20	04/09/2014 2216
Chloroethane	50	52		1	103	20	42-163	20	04/09/2014 2216
Chloroform	50	50		1	100	0.24	70-130	20	04/09/2014 2216
Chloromethane (Methyl chloride)	50	51		1	102	2.8	60-140	20	04/09/2014 2216
Cyclohexane	50	48		1	97	0.45	70-130	20	04/09/2014 2216
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	3.5	70-130	20	04/09/2014 2216
Dibromochloromethane	50	49		1	98	2.5	70-130	20	04/09/2014 2216
1,2-Dibromoethane (EDB)	50	51		1	102	1.3	70-130	20	04/09/2014 2216
1,4-Dichlorobenzene	50	50		1	100	1.2	70-130	20	04/09/2014 2216
1,3-Dichlorobenzene	50	50		1	101	1.1	70-130	20	04/09/2014 2216
1,2-Dichlorobenzene	50	50		1	100	1.8	70-130	20	04/09/2014 2216
Dichlorodifluoromethane	50	52		1	105	1.2	60-140	20	04/09/2014 2216
1,2-Dichloroethane	50	50		1	101	1.3	70-130	20	04/09/2014 2216
1,1-Dichloroethane	50	50		1	99	0.56	70-130	20	04/09/2014 2216
trans-1,2-Dichloroethene	50	50		1	99	0.87	70-130	20	04/09/2014 2216
cis-1,2-Dichloroethene	50	51		1	101	0.26	70-130	20	04/09/2014 2216
1,1-Dichloroethene	50	51		1	102	1.6	70-130	20	04/09/2014 2216
1,2-Dichloropropane	50	50		1	101	0.39	70-130	20	04/09/2014 2216
trans-1,3-Dichloropropene	50	52		1	105	2.5	70-130	20	04/09/2014 2216
cis-1,3-Dichloropropene	50	52		1	104	0.78	70-130	20	04/09/2014 2216
Ethylbenzene	50	50		1	100	0.43	70-130	20	04/09/2014 2216
2-Hexanone	100	100		1	102	1.9	60-140	20	04/09/2014 2216
Isopropylbenzene	50	50		1	100	3.1	70-130	20	04/09/2014 2216
Methyl acetate	50	54		1	109	4.6	70-130	20	04/09/2014 2216
Methyl tertiary butyl ether (MTBE)	50	49		1	99	0.84	70-130	20	04/09/2014 2216
4-Methyl-2-pentanone	100	100		1	101	1.2	60-140	20	04/09/2014 2216
Methylcyclohexane	50	51		1	101	1.7	70-130	20	04/09/2014 2216
Methylene chloride	50	47		1	94	0.23	70-130	20	04/09/2014 2216
Styrene	50	51		1	103	0.28	70-130	20	04/09/2014 2216
1,1,2,2-Tetrachloroethane	50	51		1	101	1.8	70-130	20	04/09/2014 2216
Tetrachloroethene	50	50		1	99	0.27	70-130	20	04/09/2014 2216
Toluene	50	49		1	98	2.2	70-130	20	04/09/2014 2216
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	3.6	70-130	20	04/09/2014 2216
1,2,4-Trichlorobenzene	50	53		1	106	1.1	70-130	20	04/09/2014 2216
1,1,2-Trichloroethane	50	49		1	99	1.5	70-130	20	04/09/2014 2216
1,1,1-Trichloroethane	50	50		1	100	1.9	70-130	20	04/09/2014 2216

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	99	0.014	70-130	20	04/09/2014 2216
Trichlorofluoromethane	50	46		1	91	7.5	70-130	20	04/09/2014 2216
Vinyl chloride	50	49		1	98	0.018	70-130	20	04/09/2014 2216
Xylenes (total)	100	100		1	101	0.62	70-130	20	04/09/2014 2216

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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106 Vantage Point Drive
West Columbia, South Carolina 29172
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SHEALY

Chain of Custody Record

Number 19204

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland / Ron Paulling	Quote No.
Address: 128 Millport Cir. Ste 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 2
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Itron			Lot No.: PD02110
Project Number: 33764587.00001	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	Remarks / Cooler ID
SB-27 (7-8')	4/1/14	1610	G				✓		✓	
SB-27 (29-30')	4/1/14	1620	G				✓		✓	
SB-28 (29-30')	4/1/14	1200	G				✓		✓	
SB-29 (22-23')	4/1/14	1000	G				✓		✓	
SB-29 (27-28')	4/1/14	1010	G				✓		✓	
SB-30 (6-7')	4/1/14	1535	G				✓		✓	
SB-30 (19-20')	4/1/14	1545	G				✓		✓	
SB-31 (6-7')	4/1/14	1500	G				✓		✓	
SB-31 (25-26')	4/1/14	1510	G				✓		✓	
DUP-2	4/1/14	1555	G				✓		✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	4/2/14	1340	1. Received by	4/2/14	1340
2. Relinquished by	4/2/14	1450	2. Received by	4/2/14	1450
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	4/2/14	1632	4. Laboratory Received by: Kelly W. Ri	4-2-14	1632

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack — Receipt Temp. +6 °C (corr 4-2-14) — Temp. Blank ☐ Y / ☐ N

1-7

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Chain of Custody Record

Number 19208

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council | Chevis Strange | Ron Paulling	

Address	Telephone No. / Fax No. / Email	Waybill No.	Page
128 Millport Cir. Ste. 100	864-527-4937 aaron.council@urs.com		2 of 2

City	State	Zip Code
Greenville	SC	29607

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Project Name	Project Number	P.O Number
Itron	33764587.00001	

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No. PD02110	Remarks / Cooler ID
SB-23A (4-5')	4/1/14	1440	G				✓		✓	4	A	I		
SB-33 (2-3')	4/1/14	1625	G				✓		✓					
MS/MSD	4/1/14	1625	G				✓		✓					
SB-33 (8-9')	4/1/14	1635	G				✓		✓					
SB-32 (7-8')	4/2/14	0910	G				✓		✓					
SB-32 (15-16')	4/2/14	0920	G				✓		✓					
SB-32 (20-21')	4/2/14	0930	G				✓		✓					
SB-34 (6-7')	4/2/14	1055	G				✓		✓					
SB-34 (25-26')	4/2/14	1105	G				✓		✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by Sampler: Aaron D. Council	4/2/14	1340	1. Received by	4/2/14	1340
2. Relinquished by	4/2/14	1450	2. Received by	4/2/14	1450
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	4/2/14	1632	4. Laboratory Received by: Kelly Wilson	4-2-14	1632

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp 1.7 °C — Temp. Blank ☐ Y / ☐ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

KWP 4-2-14

Client: LLRS Cooler Inspected by/date: KWP / 4-2-14 Lot #: ~~PD02010~~ PD02110

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 11.0/11.2 °C / / °C / / °C / / °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____were received with bubbles >6 mm in diameter.			
Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by:_____ Verified by:_____ Date:_____			

Comments:
No jar for 1- Solid used screening ~~Water~~ vial
KWP 4-2-14

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PD02111

Date Completed: 04/11/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PD02111

Case Narrative
URS Corporation
Lot Number: PD02111

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receipt

Sample -019 Trip Blank was received but was not included on the COC. Per client request, this sample was analyzed for VOCs.

VOCs by GC/MS

Due to large detections of target compounds, samples -009 and -014 were diluted 100x and 50,000X respectively. These large dilutions caused one surrogate in sample -009 and all three surrogates in sample -014 to recover outside of method criteria. No corrective action was required as it is known that dilutions of 5X and greater may impact surrogate recoveries.

The relative percent difference (RPD) between the LCS and LCSD associated with batches 44228, 44328, and 44389 recovered five compounds outside of method criteria. These compounds have been qualified with a "+". No corrective action was performed as all recoveries were within acceptable ranges.

The Method Blank associated with batch 44294 recovered three compounds below the PQL but above the MDL. No corrective action was required as they were "J" value detections. In addition all associated samples were non-detect for these three compounds.

Due to suspected matrix interferences the RPD between the MS and MSD in batch 44294 recovered outside of method criteria for several compounds. These compounds are qualified with a "+". The LCS and LCSD met all RPD criteria further suggesting matrix interferences impacted RPD between the MS/MSD. In addition, the MSD recovered Methyl Acetate above method criteria. The associated sample was non-detect for Methyl Acetate indicating no high bias occurred.

Sample Summary
URS Corporation
Lot Number: PD02111

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-22(27-28')	Solid	03/31/2014 1515	04/02/2014
002	SB-22(29-30')	Solid	03/31/2014 1525	04/02/2014
003	SB-22A(0-1')	Solid	04/01/2014 1155	04/02/2014
004	SB-23(25-26')	Solid	03/31/2014 1430	04/02/2014
005	SB-23(29-30')	Solid	03/31/2014 1440	04/02/2014
006	SB-24(3-4')	Solid	03/31/2014 1835	04/02/2014
007	SB-24(24-25')	Solid	03/31/2014 1855	04/02/2014
008	SB-25(27-28')	Solid	03/31/2014 1730	04/02/2014
009	SB-25(28-29')	Solid	03/31/2014 1740	04/02/2014
010	SB-25A(0-1')	Solid	04/01/2014 1405	04/02/2014
011	DUP-1	Solid	03/31/2014 1745	04/02/2014
012	SB-26A(0-1')	Solid	04/01/2014 1430	04/02/2014
013	SB-26(1-2')	Solid	03/31/2014 1600	04/02/2014
014	SB-26(2-3')	Solid	03/31/2014 1610	04/02/2014
015	SB-26(3-4')	Solid	03/31/2014 1620	04/02/2014
016	SB-26(29-30')	Solid	03/31/2014 1630	04/02/2014
017	SB-28(14-15')	Solid	04/01/2014 1145	04/02/2014
018	SB-28(26-27')	Solid	04/01/2014 1150	04/02/2014
019	Trip Blank	Aqueous	04/01/2014	04/08/2014

(19 samples)

Executive Summary
URS Corporation
Lot Number: PD02111

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-22(27-28')	Solid	Tetrachloroethene	8260B	160		ug/kg	5
002	SB-22(29-30')	Solid	Tetrachloroethene	8260B	290		ug/kg	7
003	SB-22A(0-1')	Solid	Tetrachloroethene	8260B	92		ug/kg	9
004	SB-23(25-26')	Solid	Tetrachloroethene	8260B	450		ug/kg	11
005	SB-23(29-30')	Solid	Tetrachloroethene	8260B	190		ug/kg	13
006	SB-24(3-4')	Solid	Tetrachloroethene	8260B	2.5	J	ug/kg	15
007	SB-24(24-25')	Solid	Tetrachloroethene	8260B	15		ug/kg	17
008	SB-25(27-28')	Solid	Chloroform	8260B	2.0	J	ug/kg	19
008	SB-25(27-28')	Solid	Tetrachloroethene	8260B	11000		ug/kg	19
008	SB-25(27-28')	Solid	1,1,2-Trichloroethane	8260B	1.3	J	ug/kg	20
009	SB-25(28-29')	Solid	Tetrachloroethene	8260B	14000		ug/kg	21
010	SB-25A(0-1')	Solid	Tetrachloroethene	8260B	5600		ug/kg	23
011	DUP-1	Solid	Tetrachloroethene	8260B	8700		ug/kg	25
012	SB-26A(0-1')	Solid	Tetrachloroethene	8260B	31000		ug/kg	27
013	SB-26(1-2')	Solid	Tetrachloroethene	8260B	18000		ug/kg	29
014	SB-26(2-3')	Solid	Tetrachloroethene	8260B	2600000		ug/kg	31
015	SB-26(3-4')	Solid	Tetrachloroethene	8260B	4700		ug/kg	33
016	SB-26(29-30')	Solid	Tetrachloroethene	8260B	2200		ug/kg	35
017	SB-28(14-15')	Solid	Tetrachloroethene	8260B	3.0	J	ug/kg	37
018	SB-28(26-27')	Solid	Tetrachloroethene	8260B	620		ug/kg	39

(20 detections)

Client: URS Corporation
Description: SB-22(27-28')
Date Sampled: 03/31/2014 1515
Date Received: 04/02/2014

Laboratory ID: PD02111-001
Matrix: Solid
% Solids: 80.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0549	JJG		44226	5.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	0.84	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.0	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	0.99	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.0	0.81	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.0	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	0.87	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.0	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.0	0.91	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	0.81	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	0.98	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.0	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.0	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	0.48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.0	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.0	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	160		6.0	0.60	ug/kg	1
Toluene	108-88-3	8260B	ND		6.0	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-22(27-28')
Date Sampled: 03/31/2014 1515
Date Received: 04/02/2014

Laboratory ID: PD02111-001
Matrix: Solid
% Solids: 80.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 0549	JJG		44226	5.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.0	0.75	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.0	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.0	0.94	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.0	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.0	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.0	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.0	3.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-22(29-30')
Date Sampled: 03/31/2014 1525
Date Received: 04/02/2014

Laboratory ID: PD02111-002
Matrix: Solid
% Solids: 76.1 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/08/2014 0853	JJG		44228	30.11

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		220	73	ug/kg	1
Benzene	71-43-2	8260B	ND		55	12	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		55	19	ug/kg	1
Bromoform	75-25-2	8260B	ND		55	7.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		55	20	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		110	26	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		55	14	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		55	20	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		55	19	ug/kg	1
Chloroethane	75-00-3	8260B	ND		55	14	ug/kg	1
Chloroform	67-66-3	8260B	ND		55	9.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		55	11	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		55	7.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		55	16	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		55	19	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		55	9.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		55	19	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		55	19	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		55	19	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		55	17	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		55	8.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		55	11	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		55	19	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		55	8.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		55	16	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		55	9.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		55	7.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		55	8.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		55	19	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		110	14	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		55	2.5	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		55	11	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		55	4.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		110	16	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		55	4.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		55	28	ug/kg	1
Styrene	100-42-5	8260B	ND		55	12	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		55	5.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	290		55	5.5	ug/kg	1
Toluene	108-88-3	8260B	ND		55	19	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-22(29-30')
Date Sampled: 03/31/2014 1525
Date Received: 04/02/2014

Laboratory ID: PD02111-002
Matrix: Solid
% Solids: 76.1 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/08/2014 0853	JJG		44228	30.11

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		55	6.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		55	19	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		55	9.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		55	8.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		55	21	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		55	16	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		55	9.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		55	32	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		61	47-138
Toluene-d8		69	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-22A(0-1')
Date Sampled: 04/01/2014 1155
Date Received: 04/02/2014

Laboratory ID: PD02111-003
Matrix: Solid
% Solids: 89.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/08/2014 0916	JJG		44228	29.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		190	64	ug/kg	1
Benzene	71-43-2	8260B	ND		48	11	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		48	16	ug/kg	1
Bromoform	75-25-2	8260B	ND		48	6.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		48	17	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		96	23	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		48	12	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		48	17	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		48	16	ug/kg	1
Chloroethane	75-00-3	8260B	ND		48	12	ug/kg	1
Chloroform	67-66-3	8260B	ND		48	7.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		48	9.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		48	6.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		48	14	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		48	16	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		48	8.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		48	16	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		48	16	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		48	16	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		48	15	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		48	7.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		48	9.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		48	16	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		48	7.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		48	14	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		48	8.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		48	6.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		48	7.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		48	16	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		96	12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		48	2.2	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		48	9.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		48	3.8	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		96	14	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		48	3.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		48	25	ug/kg	1
Styrene	100-42-5	8260B	ND		48	11	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		48	4.5	ug/kg	1
Tetrachloroethene	127-18-4	8260B	92		48	4.8	ug/kg	1
Toluene	108-88-3	8260B	ND		48	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-22A(0-1')
Date Sampled: 04/01/2014 1155
Date Received: 04/02/2014

Laboratory ID: PD02111-003
Matrix: Solid
% Solids: 89.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/08/2014 0916	JJG		44228	29.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		48	6.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		48	16	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		48	8.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		48	7.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		48	18	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		48	14	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		48	8.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		48	28	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	53-142
Bromofluorobenzene		55	47-138
Toluene-d8		69	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-23(25-26')
Date Sampled: 03/31/2014 1430
Date Received: 04/02/2014

Laboratory ID: PD02111-004
Matrix: Solid
% Solids: 74.4 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1610	AAC		44294	5.77
2	5035	8260B	50	04/09/2014 0439	JJG		44328	4.97

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.78	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.88	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.95	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	450		340	34	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-23(25-26')
Date Sampled: 03/31/2014 1430
Date Received: 04/02/2014

Laboratory ID: PD02111-004
Matrix: Solid
% Solids: 74.4 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1610	AAC		44294	5.77
2	5035	8260B	50	04/09/2014 0439	JJG		44328	4.97

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	0.73	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142		79	53-142
Bromofluorobenzene		95	47-138		65	47-138
Toluene-d8		106	68-124		74	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-23(29-30')
Date Sampled: 03/31/2014 1440
Date Received: 04/02/2014

Laboratory ID: PD02111-005
Matrix: Solid
% Solids: 78.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1633	AAC		44294	5.57
3	5035	8260B	1	04/09/2014 1722	AAC		44390	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.7	ug/kg	1
Benzene	71-43-2	8260B	ND		5.7	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.7	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.7	0.80	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.7	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.7	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.7	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.7	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.7	0.95	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.7	0.77	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.7	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	0.97	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.7	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	0.84	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.7	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.7	0.87	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	0.78	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	0.94	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.7	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.7	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.7	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	0.46	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.7	0.47	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.7	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.7	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	0.54	ug/kg	1
Tetrachloroethene	127-18-4	8260B	190		5.7	0.57	ug/kg	3

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-23(29-30')
Date Sampled: 03/31/2014 1440
Date Received: 04/02/2014

Laboratory ID: PD02111-005
Matrix: Solid
% Solids: 78.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1633	AAC		44294	5.57
3	5035	8260B	1	04/09/2014 1722	AAC		44390	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.7	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.7	0.72	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.7	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.7	0.97	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	0.90	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.7	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.7	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.7	0.98	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.7	3.3	ug/kg	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 3 Q	Run 3 % Recovery	Run 3 Acceptance Limits
1,2-Dichloroethane-d4		95	53-142		81	53-142
Bromofluorobenzene		93	47-138		97	47-138
Toluene-d8		105	68-124		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-24(3-4')
Date Sampled: 03/31/2014 1835
Date Received: 04/02/2014

Laboratory ID: PD02111-006
Matrix: Solid
% Solids: 83.3 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1656	AAC		44294	3.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		33	11	ug/kg	1
Benzene	71-43-2	8260B	ND		8.3	1.8	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8.3	2.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.3	1.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.3	3.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8.3	2.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.3	3.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.3	2.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.3	2.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.3	1.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.3	1.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		8.3	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.3	2.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.3	2.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.3	1.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.3	2.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.3	2.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.3	2.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		8.3	2.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8.3	1.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8.3	1.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		8.3	2.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.3	1.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.3	2.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.3	1.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.3	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.3	1.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.3	2.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		17	2.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		8.3	0.38	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		8.3	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.3	0.67	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		8.3	0.68	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.3	4.3	ug/kg	1
Styrene	100-42-5	8260B	ND		8.3	1.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.3	0.78	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.5	J	8.3	0.83	ug/kg	1
Toluene	108-88-3	8260B	ND		8.3	2.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-24(3-4')
Date Sampled: 03/31/2014 1835
Date Received: 04/02/2014

Laboratory ID: PD02111-006
Matrix: Solid
% Solids: 83.3 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1656	AAC		44294	3.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.3	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.3	2.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.3	1.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.3	1.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		8.3	3.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		8.3	2.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		8.3	1.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.3	4.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-24(24-25')
Date Sampled: 03/31/2014 1855
Date Received: 04/02/2014

Laboratory ID: PD02111-007
Matrix: Solid
% Solids: 82.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1720	AAC		44294	4.79

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.5	ug/kg	1
Benzene	71-43-2	8260B	ND		6.4	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	0.89	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.4	0.86	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	0.93	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	0.97	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	0.87	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.4	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.4	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	0.51	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.4	0.52	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	3.3	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	0.60	ug/kg	1
Tetrachloroethene	127-18-4	8260B	15		6.4	0.64	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-24(24-25')
Date Sampled: 03/31/2014 1855
Date Received: 04/02/2014

Laboratory ID: PD02111-007
Matrix: Solid
% Solids: 82.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1720	AAC		44294	4.79

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	0.80	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.4	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-25(27-28')
Date Sampled: 03/31/2014 1730
Date Received: 04/02/2014

Laboratory ID: PD02111-008
Matrix: Solid
% Solids: 70.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1743	AAC		44294	5.53
2	5035	8260B	50	04/09/2014 0525	JJG		44328	5.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.6	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.90	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	2.0	J	6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	0.87	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.94	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.98	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.5	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	0.53	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	11000		320	32	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-25(27-28')
Date Sampled: 03/31/2014 1730
Date Received: 04/02/2014

Laboratory ID: PD02111-008
Matrix: Solid
% Solids: 70.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/08/2014 1743	AAC		44294	5.53
2	5035	8260B	50	04/09/2014 0525	JJG		44328	5.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		6.5	2.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	0.81	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	1.3	J	6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.5	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.5	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142		78	53-142
Bromofluorobenzene		94	47-138		64	47-138
Toluene-d8		106	68-124		72	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-25(28-29')
Date Sampled: 03/31/2014 1740
Date Received: 04/02/2014

Laboratory ID: PD02111-009
Matrix: Solid
% Solids: 73.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/09/2014 1547	AAC		44389	5.36
3	5035	8260B	100	04/10/2014 1600	AAC		44563	5.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	430	ug/kg	2
Benzene	71-43-2	8260B	ND		320	70	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	2
Bromoform	75-25-2	8260B	ND		320	45	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	110	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		640	150	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		320	83	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		320	110	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	2
Chloroethane	75-00-3	8260B	ND		320	83	ug/kg	2
Chloroform	67-66-3	8260B	ND		320	53	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	64	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		320	43	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	96	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	54	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		320	47	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		320	64	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		320	49	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	96	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		320	58	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	43	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	52	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		320	110	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		640	83	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		320	15	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		320	63	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	26	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		640	96	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		320	26	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		320	170	ug/kg	2
Styrene	100-42-5	8260B	ND		320	70	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	2
Tetrachloroethene	127-18-4	8260B	14000		640	64	ug/kg	3

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-25(28-29')
Date Sampled: 03/31/2014 1740
Date Received: 04/02/2014

Laboratory ID: PD02111-009
Matrix: Solid
% Solids: 73.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/09/2014 1547	AAC		44389	5.36
3	5035	8260B	100	04/10/2014 1600	AAC		44563	5.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		320	110	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	40	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	54	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	50	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		320	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		320	96	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		320	55	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		320	190	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		72	53-142		70	53-142
Bromofluorobenzene		74	47-138		67	47-138
Toluene-d8		71	68-124	N	67	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-25A(0-1')
Date Sampled: 04/01/2014 1405
Date Received: 04/02/2014

Laboratory ID: PD02111-010
Matrix: Solid
% Solids: 85.1 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0611	JJG		44328	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	380	ug/kg	1
Benzene	71-43-2	8260B	ND		290	63	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		290	97	ug/kg	1
Bromoform	75-25-2	8260B	ND		290	40	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		570	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		290	74	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		290	100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		290	97	ug/kg	1
Chloroethane	75-00-3	8260B	ND		290	74	ug/kg	1
Chloroform	67-66-3	8260B	ND		290	48	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	57	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		290	39	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	86	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		290	97	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	49	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	97	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	97	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	97	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		290	92	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		290	42	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		290	57	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		290	97	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		290	44	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	86	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		290	52	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	39	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	47	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		290	97	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		570	74	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		290	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		290	56	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		570	86	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		290	23	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	1
Styrene	100-42-5	8260B	ND		290	63	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	5600		290	29	ug/kg	1
Toluene	108-88-3	8260B	ND		290	97	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-25A(0-1')
Date Sampled: 04/01/2014 1405
Date Received: 04/02/2014

Laboratory ID: PD02111-010
Matrix: Solid
% Solids: 85.1 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0611	JJG		44328	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	36	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	97	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	49	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	45	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		290	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		290	86	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		290	49	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		290	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	53-142
Bromofluorobenzene		62	47-138
Toluene-d8		71	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-1
Date Sampled: 03/31/2014 1745
Date Received: 04/02/2014

Laboratory ID: PD02111-011
Matrix: Solid
% Solids: 74.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/09/2014 1610	AAC		44389	5.72

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	390	ug/kg	2
Benzene	71-43-2	8260B	ND		290	65	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		290	100	ug/kg	2
Bromoform	75-25-2	8260B	ND		290	41	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	110	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		590	140	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		290	76	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		290	110	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		290	100	ug/kg	2
Chloroethane	75-00-3	8260B	ND		290	76	ug/kg	2
Chloroform	67-66-3	8260B	ND		290	49	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	59	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		290	40	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	88	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		290	100	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	50	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	100	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	100	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	100	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		290	94	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		290	43	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		290	59	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		290	100	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		290	45	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	88	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		290	53	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	40	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	48	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		290	100	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		590	76	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		290	14	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		290	58	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		590	88	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		290	24	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	2
Styrene	100-42-5	8260B	ND		290	65	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	28	ug/kg	2
Tetrachloroethene	127-18-4	8260B	8700		290	29	ug/kg	2
Toluene	108-88-3	8260B	ND		290	100	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-1
Date Sampled: 03/31/2014 1745
Date Received: 04/02/2014

Laboratory ID: PD02111-011
Matrix: Solid
% Solids: 74.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/09/2014 1610	AAC		44389	5.72

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	37	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	100	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	50	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	46	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		290	110	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		290	88	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		290	50	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		290	170	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	53-142
Bromofluorobenzene		72	47-138
Toluene-d8		78	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26A(0-1')
Date Sampled: 04/01/2014 1430
Date Received: 04/02/2014

Laboratory ID: PD02111-012
Matrix: Solid
% Solids: 88.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/09/2014 1634	AAC		44389	5.88
3	5035	8260B	500	04/10/2014 1624	AAC		44563	5.88

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		970	320	ug/kg	2
Benzene	71-43-2	8260B	ND		240	53	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		240	82	ug/kg	2
Bromoform	75-25-2	8260B	ND		240	34	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		240	87	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		480	120	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		240	63	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		240	87	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		240	82	ug/kg	2
Chloroethane	75-00-3	8260B	ND		240	63	ug/kg	2
Chloroform	67-66-3	8260B	ND		240	40	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		240	48	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		240	33	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		240	72	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		240	82	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		240	41	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		240	82	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		240	82	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		240	82	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		240	77	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		240	35	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		240	48	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		240	82	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		240	37	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		240	72	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		240	44	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		240	33	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		240	40	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		240	82	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		480	63	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		240	11	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		240	47	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		240	19	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		480	72	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		240	20	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		240	130	ug/kg	2
Styrene	100-42-5	8260B	ND		240	53	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		240	23	ug/kg	2
Tetrachloroethene	127-18-4	8260B	31000		2400	240	ug/kg	3

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26A(0-1')
Date Sampled: 04/01/2014 1430
Date Received: 04/02/2014

Laboratory ID: PD02111-012
Matrix: Solid
% Solids: 88.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/09/2014 1634	AAC		44389	5.88
3	5035	8260B	500	04/10/2014 1624	AAC		44563	5.88

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		240	82	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		240	30	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		240	82	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		240	41	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		240	38	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		240	92	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		240	72	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		240	42	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		240	140	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	53-142		86	53-142
Bromofluorobenzene		87	47-138		89	47-138
Toluene-d8		91	68-124		84	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(1-2')
Date Sampled: 03/31/2014 1600
Date Received: 04/02/2014

Laboratory ID: PD02111-013
Matrix: Solid
% Solids: 82.2 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	200	04/09/2014 0921	JJG		44328	5.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		4300	1500	ug/kg	1
Benzene	71-43-2	8260B	ND		1100	240	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		1100	370	ug/kg	1
Bromoform	75-25-2	8260B	ND		1100	150	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1100	390	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		2200	520	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		1100	280	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		1100	390	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		1100	370	ug/kg	1
Chloroethane	75-00-3	8260B	ND		1100	280	ug/kg	1
Chloroform	67-66-3	8260B	ND		1100	180	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1100	220	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		1100	150	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1100	330	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		1100	370	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1100	180	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1100	370	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1100	370	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1100	370	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1100	350	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		1100	160	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		1100	220	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		1100	370	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1100	160	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1100	330	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		1100	200	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1100	150	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1100	180	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		1100	370	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		2200	280	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		1100	50	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		1100	210	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1100	87	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2200	330	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		1100	89	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		1100	560	ug/kg	1
Styrene	100-42-5	8260B	ND		1100	240	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1100	100	ug/kg	1
Tetrachloroethene	127-18-4	8260B	18000		1100	110	ug/kg	1
Toluene	108-88-3	8260B	ND		1100	370	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(1-2')
Date Sampled: 03/31/2014 1600
Date Received: 04/02/2014

Laboratory ID: PD02111-013
Matrix: Solid
% Solids: 82.2 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	200	04/09/2014 0921	JJG		44328	5.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1100	140	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1100	370	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1100	180	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1100	170	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		1100	410	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		1100	330	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		1100	190	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		1100	630	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		66	47-138
Toluene-d8		73	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(2-3')
Date Sampled: 03/31/2014 1610
Date Received: 04/02/2014

Laboratory ID: PD02111-014
Matrix: Solid
% Solids: 83.6 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50000	04/09/2014 0945	JJG		44328	4.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200000	400000	ug/kg	1
Benzene	71-43-2	8260B	ND		300000	66000	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		300000	100000	ug/kg	1
Bromoform	75-25-2	8260B	ND		300000	42000	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		300000	110000	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		600000	140000	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		300000	78000	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		300000	110000	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		300000	100000	ug/kg	1
Chloroethane	75-00-3	8260B	ND		300000	78000	ug/kg	1
Chloroform	67-66-3	8260B	ND		300000	50000	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		300000	60000	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		300000	41000	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		300000	90000	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		300000	100000	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		300000	51000	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		300000	100000	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		300000	100000	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		300000	100000	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		300000	96000	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		300000	44000	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		300000	60000	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		300000	100000	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		300000	46000	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		300000	90000	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		300000	55000	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		300000	41000	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		300000	49000	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		300000	100000	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		600000	78000	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		300000	14000	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		300000	59000	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		300000	24000	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		600000	90000	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		300000	25000	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		300000	160000	ug/kg	1
Styrene	100-42-5	8260B	ND		300000	66000	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		300000	28000	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2600000		300000	30000	ug/kg	1
Toluene	108-88-3	8260B	ND		300000	100000	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(2-3')
Date Sampled: 03/31/2014 1610
Date Received: 04/02/2014

Laboratory ID: PD02111-014
Matrix: Solid
% Solids: 83.6 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50000	04/09/2014 0945	JJG		44328	4.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		300000	38000	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		300000	100000	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		300000	51000	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		300000	48000	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		300000	110000	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		300000	90000	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		300000	52000	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		300000	170000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	0.00	53-142
Bromofluorobenzene	N	478	47-138
Toluene-d8	N	0.00	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(3-4')
Date Sampled: 03/31/2014 1620
Date Received: 04/02/2014

Laboratory ID: PD02111-015
Matrix: Solid
% Solids: 88.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	100	04/09/2014 0858	JJG		44328	5.23

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2200	730	ug/kg	1
Benzene	71-43-2	8260B	ND		540	120	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		540	180	ug/kg	1
Bromoform	75-25-2	8260B	ND		540	76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		540	200	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		1100	260	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		540	140	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		540	200	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		540	180	ug/kg	1
Chloroethane	75-00-3	8260B	ND		540	140	ug/kg	1
Chloroform	67-66-3	8260B	ND		540	90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		540	110	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		540	73	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		540	160	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		540	180	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		540	92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		540	180	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		540	180	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		540	180	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		540	170	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		540	79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		540	110	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		540	180	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		540	83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		540	160	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		540	99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		540	74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		540	89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		540	180	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		1100	140	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		540	25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		540	110	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		540	43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1100	160	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		540	45	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		540	280	ug/kg	1
Styrene	100-42-5	8260B	ND		540	120	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		540	51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4700		540	54	ug/kg	1
Toluene	108-88-3	8260B	ND		540	180	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(3-4')
Date Sampled: 03/31/2014 1620
Date Received: 04/02/2014

Laboratory ID: PD02111-015
Matrix: Solid
% Solids: 88.0 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	100	04/09/2014 0858	JJG		44328	5.23

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		540	68	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		540	180	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		540	92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		540	86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		540	210	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		540	160	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		540	93	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		540	310	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		77	47-138
Toluene-d8		84	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(29-30')
Date Sampled: 03/31/2014 1630
Date Received: 04/02/2014

Laboratory ID: PD02111-016
Matrix: Solid
% Solids: 76.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0720	JJG		44328	5.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	370	ug/kg	1
Benzene	71-43-2	8260B	ND		270	60	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		270	93	ug/kg	1
Bromoform	75-25-2	8260B	ND		270	38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		270	99	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		550	130	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		270	71	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		270	99	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		270	93	ug/kg	1
Chloroethane	75-00-3	8260B	ND		270	71	ug/kg	1
Chloroform	67-66-3	8260B	ND		270	46	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		270	55	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		270	37	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		270	82	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		270	93	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		270	47	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		270	93	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		270	93	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		270	93	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		270	88	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		270	40	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		270	55	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		270	93	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		270	42	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		270	82	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		270	50	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		270	37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		270	45	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		270	93	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		550	71	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		270	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		270	54	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		270	22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		550	82	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		270	23	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		270	140	ug/kg	1
Styrene	100-42-5	8260B	ND		270	60	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		270	26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2200		270	27	ug/kg	1
Toluene	108-88-3	8260B	ND		270	93	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-26(29-30')
Date Sampled: 03/31/2014 1630
Date Received: 04/02/2014

Laboratory ID: PD02111-016
Matrix: Solid
% Solids: 76.9 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0720	JJG		44328	5.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		270	35	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		270	93	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		270	47	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		270	43	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		270	100	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		270	82	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		270	47	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		270	160	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	53-142
Bromofluorobenzene		65	47-138
Toluene-d8		76	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-28(14-15')
Date Sampled: 04/01/2014 1145
Date Received: 04/02/2014

Laboratory ID: PD02111-017
Matrix: Solid
% Solids: 84.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/09/2014 0243	JJG		44327	5.26

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.5	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.79	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	0.76	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.46	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	3.0	J	5.6	0.56	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-28(14-15')
Date Sampled: 04/01/2014 1145
Date Received: 04/02/2014

Laboratory ID: PD02111-017
Matrix: Solid
% Solids: 84.5 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/09/2014 0243	JJG		44327	5.26

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	0.71	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	0.97	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		107	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-28(26-27')
Date Sampled: 04/01/2014 1150
Date Received: 04/02/2014

Laboratory ID: PD02111-018
Matrix: Solid
% Solids: 82.7 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0743	JJG		44328	6.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	340	ug/kg	1
Benzene	71-43-2	8260B	ND		250	55	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		250	86	ug/kg	1
Bromoform	75-25-2	8260B	ND		250	35	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	91	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	120	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		250	65	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		250	91	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		250	86	ug/kg	1
Chloroethane	75-00-3	8260B	ND		250	65	ug/kg	1
Chloroform	67-66-3	8260B	ND		250	42	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	50	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		250	34	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	76	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		250	86	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	43	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	86	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	86	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	86	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		250	81	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	37	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	50	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		250	86	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		250	38	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	76	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	46	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	34	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	41	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		250	86	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		500	65	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		250	12	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		250	49	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	76	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		250	21	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		250	130	ug/kg	1
Styrene	100-42-5	8260B	ND		250	55	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	24	ug/kg	1
Tetrachloroethene	127-18-4	8260B	620		250	25	ug/kg	1
Toluene	108-88-3	8260B	ND		250	86	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-28(26-27')
Date Sampled: 04/01/2014 1150
Date Received: 04/02/2014

Laboratory ID: PD02111-018
Matrix: Solid
% Solids: 82.7 04/02/2014 2042

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0743	JJG		44328	6.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		250	32	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		250	86	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		250	43	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	40	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		250	96	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		250	76	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		250	43	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		250	150	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		81	53-142
Bromofluorobenzene		68	47-138
Toluene-d8		75	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/01/2014
Date Received: 04/08/2014

Laboratory ID: PD02111-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/10/2014 0008	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/01/2014
Date Received: 04/08/2014

Laboratory ID: PD02111-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/10/2014 0008	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44226-001
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/08/2014 0102
Benzene	ND		1	5.0	1.1	ug/kg	04/08/2014 0102
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
Bromoform	ND		1	5.0	0.70	ug/kg	04/08/2014 0102
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/08/2014 0102
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/08/2014 0102
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/08/2014 0102
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/08/2014 0102
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
Chloroethane	ND		1	5.0	1.3	ug/kg	04/08/2014 0102
Chloroform	ND		1	5.0	0.83	ug/kg	04/08/2014 0102
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/08/2014 0102
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/08/2014 0102
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/08/2014 0102
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/08/2014 0102
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/08/2014 0102
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/08/2014 0102
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/08/2014 0102
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/08/2014 0102
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/08/2014 0102
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/08/2014 0102
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/08/2014 0102
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/08/2014 0102
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
2-Hexanone	ND		1	10	1.3	ug/kg	04/08/2014 0102
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/08/2014 0102
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/08/2014 0102
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/08/2014 0102
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/08/2014 0102
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/08/2014 0102
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/08/2014 0102
Styrene	ND		1	5.0	1.1	ug/kg	04/08/2014 0102
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/08/2014 0102
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/08/2014 0102
Toluene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/08/2014 0102
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 0102
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/08/2014 0102
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/08/2014 0102

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44226-001
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/08/2014 0102
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/08/2014 0102
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/08/2014 0102
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/08/2014 0102

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44226-002
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	112	60-140	04/07/2014 2318
Benzene	50	46		1	91	69-123	04/07/2014 2318
Bromodichloromethane	50	45		1	90	69-121	04/07/2014 2318
Bromoform	50	49		1	98	61-119	04/07/2014 2318
Bromomethane (Methyl bromide)	50	44		1	88	10-168	04/07/2014 2318
2-Butanone (MEK)	100	120		1	117	57-148	04/07/2014 2318
Carbon disulfide	50	44		1	88	58-122	04/07/2014 2318
Carbon tetrachloride	50	45		1	89	58-136	04/07/2014 2318
Chlorobenzene	50	43		1	87	59-129	04/07/2014 2318
Chloroethane	50	42		1	84	42-163	04/07/2014 2318
Chloroform	50	44		1	88	71-125	04/07/2014 2318
Chloromethane (Methyl chloride)	50	42		1	84	34-134	04/07/2014 2318
Cyclohexane	50	44		1	88	53-139	04/07/2014 2318
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	55-125	04/07/2014 2318
Dibromochloromethane	50	45		1	90	66-119	04/07/2014 2318
1,2-Dibromoethane (EDB)	50	47		1	95	74-124	04/07/2014 2318
1,4-Dichlorobenzene	50	44		1	87	52-133	04/07/2014 2318
1,3-Dichlorobenzene	50	44		1	88	51-134	04/07/2014 2318
1,2-Dichlorobenzene	50	43		1	86	57-131	04/07/2014 2318
Dichlorodifluoromethane	50	45		1	90	10-157	04/07/2014 2318
1,2-Dichloroethane	50	45		1	91	67-129	04/07/2014 2318
1,1-Dichloroethane	50	43		1	86	71-127	04/07/2014 2318
trans-1,2-Dichloroethene	50	45		1	89	68-131	04/07/2014 2318
cis-1,2-Dichloroethene	50	44		1	87	70-122	04/07/2014 2318
1,1-Dichloroethene	50	45		1	89	69-138	04/07/2014 2318
1,2-Dichloropropane	50	46		1	92	72-124	04/07/2014 2318
trans-1,3-Dichloropropene	50	46		1	92	70-124	04/07/2014 2318
cis-1,3-Dichloropropene	50	47		1	94	70-126	04/07/2014 2318
Ethylbenzene	50	44		1	89	59-128	04/07/2014 2318
2-Hexanone	100	110		1	112	54-137	04/07/2014 2318
Isopropylbenzene	50	46		1	92	50-136	04/07/2014 2318
Methyl acetate	50	56		1	112	59-137	04/07/2014 2318
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	04/07/2014 2318
4-Methyl-2-pentanone	100	120		1	115	60-134	04/07/2014 2318
Methylcyclohexane	50	47		1	94	41-144	04/07/2014 2318
Methylene chloride	50	43		1	85	70-130	04/07/2014 2318
Styrene	50	43		1	86	54-136	04/07/2014 2318
1,1,2,2-Tetrachloroethane	50	49		1	99	69-132	04/07/2014 2318
Tetrachloroethene	50	43		1	85	45-150	04/07/2014 2318
Toluene	50	44		1	87	61-129	04/07/2014 2318
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	49-136	04/07/2014 2318
1,2,4-Trichlorobenzene	50	46		1	91	34-145	04/07/2014 2318
1,1,2-Trichloroethane	50	44		1	87	55-128	04/07/2014 2318
1,1,1-Trichloroethane	50	44		1	89	63-128	04/07/2014 2318

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44226-002
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	92	62-126	04/07/2014 2318
Trichlorofluoromethane	50	43		1	85	45-138	04/07/2014 2318
Vinyl chloride	50	42		1	85	42-132	04/07/2014 2318
Xylenes (total)	100	89		1	89	58-128	04/07/2014 2318

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44226-003
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	99		1	99	12	60-140	20	04/07/2014 2341
Benzene	50	41		1	82	11	69-123	20	04/07/2014 2341
Bromodichloromethane	50	42		1	85	6.0	69-121	20	04/07/2014 2341
Bromoform	50	46		1	92	5.7	61-119	20	04/07/2014 2341
Bromomethane (Methyl bromide)	50	42		1	84	4.2	10-168	20	04/07/2014 2341
2-Butanone (MEK)	100	110		1	106	9.7	57-148	20	04/07/2014 2341
Carbon disulfide	50	42		1	84	4.8	58-122	20	04/07/2014 2341
Carbon tetrachloride	50	42		1	84	6.1	58-136	20	04/07/2014 2341
Chlorobenzene	50	42		1	84	2.7	59-129	20	04/07/2014 2341
Chloroethane	50	40		1	81	3.8	42-163	20	04/07/2014 2341
Chloroform	50	43		1	86	2.2	71-125	20	04/07/2014 2341
Chloromethane (Methyl chloride)	50	39		1	78	7.5	34-134	20	04/07/2014 2341
Cyclohexane	50	43		1	86	2.6	53-139	20	04/07/2014 2341
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	12	55-125	20	04/07/2014 2341
Dibromochloromethane	50	45		1	91	0.84	66-119	20	04/07/2014 2341
1,2-Dibromoethane (EDB)	50	46		1	92	3.4	74-124	20	04/07/2014 2341
1,4-Dichlorobenzene	50	41		1	82	6.9	52-133	20	04/07/2014 2341
1,3-Dichlorobenzene	50	41		1	83	6.2	51-134	20	04/07/2014 2341
1,2-Dichlorobenzene	50	43		1	87	0.32	57-131	20	04/07/2014 2341
Dichlorodifluoromethane	50	45		1	89	1.3	10-157	20	04/07/2014 2341
1,2-Dichloroethane	50	43		1	86	4.8	67-129	20	04/07/2014 2341
1,1-Dichloroethane	50	42		1	84	2.1	71-127	20	04/07/2014 2341
trans-1,2-Dichloroethene	50	42		1	85	5.3	68-131	20	04/07/2014 2341
cis-1,2-Dichloroethene	50	43		1	85	2.4	70-122	20	04/07/2014 2341
1,1-Dichloroethene	50	42		1	84	6.5	69-138	20	04/07/2014 2341
1,2-Dichloropropane	50	43		1	85	7.3	72-124	20	04/07/2014 2341
trans-1,3-Dichloropropene	50	45		1	90	2.5	70-124	20	04/07/2014 2341
cis-1,3-Dichloropropene	50	43		1	86	9.5	70-126	20	04/07/2014 2341
Ethylbenzene	50	43		1	87	2.4	59-128	20	04/07/2014 2341
2-Hexanone	100	98		1	98	13	54-137	20	04/07/2014 2341
Isopropylbenzene	50	43		1	86	6.9	50-136	20	04/07/2014 2341
Methyl acetate	50	50		1	99	12	59-137	20	04/07/2014 2341
Methyl tertiary butyl ether (MTBE)	50	52		1	104	3.8	70-130	20	04/07/2014 2341
4-Methyl-2-pentanone	100	99		1	99	15	60-134	20	04/07/2014 2341
Methylcyclohexane	50	44		1	88	6.6	41-144	20	04/07/2014 2341
Methylene chloride	50	42		1	83	2.6	70-130	20	04/07/2014 2341
Styrene	50	43		1	86	0.014	54-136	20	04/07/2014 2341
1,1,2,2-Tetrachloroethane	50	45		1	91	8.2	69-132	20	04/07/2014 2341
Tetrachloroethene	50	43		1	86	1.6	45-150	20	04/07/2014 2341
Toluene	50	41		1	81	6.8	61-129	20	04/07/2014 2341
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	4.7	49-136	20	04/07/2014 2341
1,2,4-Trichlorobenzene	50	43		1	85	6.7	34-145	20	04/07/2014 2341
1,1,2-Trichloroethane	50	42		1	84	4.3	55-128	20	04/07/2014 2341
1,1,1-Trichloroethane	50	43		1	86	3.6	63-128	20	04/07/2014 2341

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44226-003
Batch: 44226
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	8.6	62-126	20	04/07/2014 2341
Trichlorofluoromethane	50	41		1	82	4.3	45-138	20	04/07/2014 2341
Vinyl chloride	50	40		1	79	6.8	42-132	20	04/07/2014 2341
Xylenes (total)	100	87		1	87	1.8	58-128	20	04/07/2014 2341

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44228-001
Batch: 44228
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/08/2014 0808
Benzene	ND		50	250	55	ug/kg	04/08/2014 0808
Bromodichloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
Bromoform	ND		50	250	35	ug/kg	04/08/2014 0808
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/08/2014 0808
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/08/2014 0808
Carbon disulfide	ND		50	250	65	ug/kg	04/08/2014 0808
Carbon tetrachloride	ND		50	250	90	ug/kg	04/08/2014 0808
Chlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Chloroethane	ND		50	250	65	ug/kg	04/08/2014 0808
Chloroform	ND		50	250	42	ug/kg	04/08/2014 0808
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/08/2014 0808
Cyclohexane	ND		50	250	34	ug/kg	04/08/2014 0808
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/08/2014 0808
Dibromochloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/08/2014 0808
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/08/2014 0808
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/08/2014 0808
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/08/2014 0808
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/08/2014 0808
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/08/2014 0808
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/08/2014 0808
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/08/2014 0808
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/08/2014 0808
Ethylbenzene	ND		50	250	85	ug/kg	04/08/2014 0808
2-Hexanone	ND		50	500	65	ug/kg	04/08/2014 0808
Isopropylbenzene	ND		50	250	12	ug/kg	04/08/2014 0808
Methyl acetate	ND		50	250	49	ug/kg	04/08/2014 0808
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/08/2014 0808
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/08/2014 0808
Methylcyclohexane	ND		50	250	21	ug/kg	04/08/2014 0808
Methylene chloride	ND		50	250	130	ug/kg	04/08/2014 0808
Styrene	ND		50	250	55	ug/kg	04/08/2014 0808
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/08/2014 0808
Tetrachloroethene	ND		50	250	25	ug/kg	04/08/2014 0808
Toluene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/08/2014 0808
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/08/2014 0808
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/08/2014 0808

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44228-001
Batch: 44228
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/08/2014 0808
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/08/2014 0808
Vinyl chloride	ND		50	250	43	ug/kg	04/08/2014 0808
Xylenes (total)	ND		50	250	150	ug/kg	04/08/2014 0808

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44228-002
Batch: 44228
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3500		50	69	60-140	04/08/2014 0659
Benzene	2500	2300		50	90	69-123	04/08/2014 0659
Bromodichloromethane	2500	2300		50	93	69-121	04/08/2014 0659
Bromoform	2500	2300		50	92	61-119	04/08/2014 0659
Bromomethane (Methyl bromide)	2500	1400		50	57	10-168	04/08/2014 0659
2-Butanone (MEK)	5000	4300		50	87	57-148	04/08/2014 0659
Carbon disulfide	2500	2000		50	80	58-122	04/08/2014 0659
Carbon tetrachloride	2500	2200		50	88	58-136	04/08/2014 0659
Chlorobenzene	2500	2000		50	78	59-129	04/08/2014 0659
Chloroethane	2500	2000		50	81	42-163	04/08/2014 0659
Chloroform	2500	2300		50	92	71-125	04/08/2014 0659
Chloromethane (Methyl chloride)	2500	1700		50	69	34-134	04/08/2014 0659
Cyclohexane	2500	2200		50	87	53-139	04/08/2014 0659
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	55-125	04/08/2014 0659
Dibromochloromethane	2500	2400		50	96	66-119	04/08/2014 0659
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/08/2014 0659
1,4-Dichlorobenzene	2500	1600		50	64	52-133	04/08/2014 0659
1,3-Dichlorobenzene	2500	1600		50	65	51-134	04/08/2014 0659
1,2-Dichlorobenzene	2500	1800		50	72	57-131	04/08/2014 0659
Dichlorodifluoromethane	2500	1400		50	54	10-157	04/08/2014 0659
1,2-Dichloroethane	2500	2400		50	95	67-129	04/08/2014 0659
1,1-Dichloroethane	2500	2300		50	91	71-127	04/08/2014 0659
trans-1,2-Dichloroethene	2500	2200		50	87	68-131	04/08/2014 0659
cis-1,2-Dichloroethene	2500	2300		50	93	70-122	04/08/2014 0659
1,1-Dichloroethene	2500	2200		50	86	69-138	04/08/2014 0659
1,2-Dichloropropane	2500	2300		50	94	72-124	04/08/2014 0659
trans-1,3-Dichloropropene	2500	2300		50	92	70-124	04/08/2014 0659
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/08/2014 0659
Ethylbenzene	2500	1900		50	75	59-128	04/08/2014 0659
2-Hexanone	5000	4900		50	98	54-137	04/08/2014 0659
Isopropylbenzene	2500	1800		50	74	50-136	04/08/2014 0659
Methyl acetate	2500	2700		50	107	59-137	04/08/2014 0659
Methyl tertiary butyl ether (MTBE)	2500	2700		50	108	70-130	04/08/2014 0659
4-Methyl-2-pentanone	5000	5000		50	101	60-134	04/08/2014 0659
Methylcyclohexane	2500	2100		50	84	41-144	04/08/2014 0659
Methylene chloride	2500	2300		50	90	70-130	04/08/2014 0659
Styrene	2500	1900		50	77	54-136	04/08/2014 0659
1,1,2,2-Tetrachloroethane	2500	2400		50	97	69-132	04/08/2014 0659
Tetrachloroethene	2500	1900		50	76	45-150	04/08/2014 0659
Toluene	2500	2000		50	80	61-129	04/08/2014 0659
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2400		50	95	49-136	04/08/2014 0659
1,2,4-Trichlorobenzene	2500	1500		50	58	34-145	04/08/2014 0659
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/08/2014 0659
1,1,1-Trichloroethane	2500	2200		50	87	63-128	04/08/2014 0659

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44228-002
Batch: 44228
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2100		50	86	62-126	04/08/2014 0659
Trichlorofluoromethane	2500	2100		50	83	45-138	04/08/2014 0659
Vinyl chloride	2500	1800		50	73	42-132	04/08/2014 0659
Xylenes (total)	5000	3800		50	76	58-128	04/08/2014 0659

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44228-003
Batch: 44228
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	73	4.8	60-140	20	04/08/2014 0722
Benzene	2500	2400		50	96	6.7	69-123	20	04/08/2014 0722
Bromodichloromethane	2500	2400		50	96	2.1	69-121	20	04/08/2014 0722
Bromoform	2500	2300		50	91	0.77	61-119	20	04/08/2014 0722
Bromomethane (Methyl bromide)	2500	1600		50	65	13	10-168	20	04/08/2014 0722
2-Butanone (MEK)	5000	4600		50	92	5.8	57-148	20	04/08/2014 0722
Carbon disulfide	2500	2200		50	86	7.6	58-122	20	04/08/2014 0722
Carbon tetrachloride	2500	2400		50	96	9.2	58-136	20	04/08/2014 0722
Chlorobenzene	2500	2300		50	92	16	59-129	20	04/08/2014 0722
Chloroethane	2500	2200		50	87	6.8	42-163	20	04/08/2014 0722
Chloroform	2500	2500		50	98	6.7	71-125	20	04/08/2014 0722
Chloromethane (Methyl chloride)	2500	1900		50	74	7.4	34-134	20	04/08/2014 0722
Cyclohexane	2500	2300		50	94	8.0	53-139	20	04/08/2014 0722
1,2-Dibromo-3-chloropropane (DBCP)	2500	2200		50	88	8.3	55-125	20	04/08/2014 0722
Dibromochloromethane	2500	2400		50	97	1.1	66-119	20	04/08/2014 0722
1,2-Dibromoethane (EDB)	2500	2500		50	98	1.5	74-124	20	04/08/2014 0722
1,4-Dichlorobenzene	2500	2100	+	50	85	28	52-133	20	04/08/2014 0722
1,3-Dichlorobenzene	2500	2100	+	50	84	26	51-134	20	04/08/2014 0722
1,2-Dichlorobenzene	2500	2200	+	50	89	21	57-131	20	04/08/2014 0722
Dichlorodifluoromethane	2500	1500		50	59	8.0	10-157	20	04/08/2014 0722
1,2-Dichloroethane	2500	2500		50	99	3.4	67-129	20	04/08/2014 0722
1,1-Dichloroethane	2500	2400		50	98	7.4	71-127	20	04/08/2014 0722
trans-1,2-Dichloroethene	2500	2400		50	94	7.9	68-131	20	04/08/2014 0722
cis-1,2-Dichloroethene	2500	2500		50	101	8.7	70-122	20	04/08/2014 0722
1,1-Dichloroethene	2500	2300		50	92	7.0	69-138	20	04/08/2014 0722
1,2-Dichloropropane	2500	2400		50	98	4.1	72-124	20	04/08/2014 0722
trans-1,3-Dichloropropene	2500	2400		50	95	3.2	70-124	20	04/08/2014 0722
cis-1,3-Dichloropropene	2500	2400		50	98	4.9	70-126	20	04/08/2014 0722
Ethylbenzene	2500	2300		50	92	19	59-128	20	04/08/2014 0722
2-Hexanone	5000	4200		50	85	14	54-137	20	04/08/2014 0722
Isopropylbenzene	2500	2400	+	50	98	28	50-136	20	04/08/2014 0722
Methyl acetate	2500	2700		50	108	1.5	59-137	20	04/08/2014 0722
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	3.7	70-130	20	04/08/2014 0722
4-Methyl-2-pentanone	5000	4400		50	88	13	60-134	20	04/08/2014 0722
Methylcyclohexane	2500	2300		50	91	8.4	41-144	20	04/08/2014 0722
Methylene chloride	2500	2400		50	94	4.6	70-130	20	04/08/2014 0722
Styrene	2500	2300		50	92	19	54-136	20	04/08/2014 0722
1,1,2,2-Tetrachloroethane	2500	2300		50	93	4.8	69-132	20	04/08/2014 0722
Tetrachloroethene	2500	2300		50	90	16	45-150	20	04/08/2014 0722
Toluene	2500	2200		50	89	11	61-129	20	04/08/2014 0722
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2500		50	101	6.3	49-136	20	04/08/2014 0722
1,2,4-Trichlorobenzene	2500	1800	+	50	73	23	34-145	20	04/08/2014 0722
1,1,2-Trichloroethane	2500	2300		50	93	0.57	55-128	20	04/08/2014 0722
1,1,1-Trichloroethane	2500	2400		50	96	9.0	63-128	20	04/08/2014 0722

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44228-003
Batch: 44228
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2400		50	94	9.4	62-126	20	04/08/2014 0722
Trichlorofluoromethane	2500	2200		50	88	6.0	45-138	20	04/08/2014 0722
Vinyl chloride	2500	2000		50	78	6.8	42-132	20	04/08/2014 0722
Xylenes (total)	5000	4600		50	92	20	58-128	20	04/08/2014 0722

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44294-001
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	7.1	J	1	20	6.7	ug/kg	04/08/2014 1352
Benzene	ND		1	5.0	1.1	ug/kg	04/08/2014 1352
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
Bromoform	ND		1	5.0	0.70	ug/kg	04/08/2014 1352
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/08/2014 1352
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/08/2014 1352
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/08/2014 1352
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/08/2014 1352
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
Chloroethane	ND		1	5.0	1.3	ug/kg	04/08/2014 1352
Chloroform	ND		1	5.0	0.83	ug/kg	04/08/2014 1352
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/08/2014 1352
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/08/2014 1352
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/08/2014 1352
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/08/2014 1352
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/08/2014 1352
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/08/2014 1352
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/08/2014 1352
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/08/2014 1352
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/08/2014 1352
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/08/2014 1352
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/08/2014 1352
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/08/2014 1352
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
2-Hexanone	4.0	J	1	10	1.3	ug/kg	04/08/2014 1352
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/08/2014 1352
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/08/2014 1352
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/08/2014 1352
4-Methyl-2-pentanone	2.0	J	1	10	1.5	ug/kg	04/08/2014 1352
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/08/2014 1352
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/08/2014 1352
Styrene	ND		1	5.0	1.1	ug/kg	04/08/2014 1352
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/08/2014 1352
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/08/2014 1352
Toluene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/08/2014 1352
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/08/2014 1352
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/08/2014 1352
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/08/2014 1352

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44294-001
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/08/2014 1352
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/08/2014 1352
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/08/2014 1352
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/08/2014 1352

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44294-002
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	105	60-140	04/08/2014 1134
Benzene	50	45		1	90	69-123	04/08/2014 1134
Bromodichloromethane	50	47		1	93	69-121	04/08/2014 1134
Bromoform	50	48		1	95	61-119	04/08/2014 1134
Bromomethane (Methyl bromide)	50	43		1	87	10-168	04/08/2014 1134
2-Butanone (MEK)	100	110		1	106	57-148	04/08/2014 1134
Carbon disulfide	50	44		1	88	58-122	04/08/2014 1134
Carbon tetrachloride	50	43		1	87	58-136	04/08/2014 1134
Chlorobenzene	50	44		1	88	59-129	04/08/2014 1134
Chloroethane	50	42		1	85	42-163	04/08/2014 1134
Chloroform	50	44		1	88	71-125	04/08/2014 1134
Chloromethane (Methyl chloride)	50	41		1	83	34-134	04/08/2014 1134
Cyclohexane	50	45		1	90	53-139	04/08/2014 1134
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	104	55-125	04/08/2014 1134
Dibromochloromethane	50	46		1	92	66-119	04/08/2014 1134
1,2-Dibromoethane (EDB)	50	47		1	95	74-124	04/08/2014 1134
1,4-Dichlorobenzene	50	46		1	91	52-133	04/08/2014 1134
1,3-Dichlorobenzene	50	44		1	87	51-134	04/08/2014 1134
1,2-Dichlorobenzene	50	46		1	92	57-131	04/08/2014 1134
Dichlorodifluoromethane	50	46		1	92	10-157	04/08/2014 1134
1,2-Dichloroethane	50	44		1	88	67-129	04/08/2014 1134
1,1-Dichloroethane	50	43		1	87	71-127	04/08/2014 1134
trans-1,2-Dichloroethene	50	44		1	87	68-131	04/08/2014 1134
cis-1,2-Dichloroethene	50	45		1	90	70-122	04/08/2014 1134
1,1-Dichloroethene	50	44		1	88	69-138	04/08/2014 1134
1,2-Dichloropropane	50	44		1	88	72-124	04/08/2014 1134
trans-1,3-Dichloropropene	50	46		1	91	70-124	04/08/2014 1134
cis-1,3-Dichloropropene	50	47		1	94	70-126	04/08/2014 1134
Ethylbenzene	50	44		1	89	59-128	04/08/2014 1134
2-Hexanone	100	100		1	102	54-137	04/08/2014 1134
Isopropylbenzene	50	47		1	95	50-136	04/08/2014 1134
Methyl acetate	50	51		1	101	59-137	04/08/2014 1134
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	04/08/2014 1134
4-Methyl-2-pentanone	100	100		1	103	60-134	04/08/2014 1134
Methylcyclohexane	50	47		1	95	41-144	04/08/2014 1134
Methylene chloride	50	42		1	84	70-130	04/08/2014 1134
Styrene	50	46		1	92	54-136	04/08/2014 1134
1,1,2,2-Tetrachloroethane	50	48		1	97	69-132	04/08/2014 1134
Tetrachloroethene	50	44		1	88	45-150	04/08/2014 1134
Toluene	50	45		1	90	61-129	04/08/2014 1134
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	101	49-136	04/08/2014 1134
1,2,4-Trichlorobenzene	50	47		1	94	34-145	04/08/2014 1134
1,1,2-Trichloroethane	50	44		1	89	55-128	04/08/2014 1134
1,1,1-Trichloroethane	50	43		1	87	63-128	04/08/2014 1134

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44294-002
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	45		1	89	62-126	04/08/2014 1134
Trichlorofluoromethane	50	43		1	86	45-138	04/08/2014 1134
Vinyl chloride	50	42		1	84	42-132	04/08/2014 1134
Xylenes (total)	100	91		1	91	58-128	04/08/2014 1134

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44294-003
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	101	3.7	60-140	20	04/08/2014 1157
Benzene	50	43		1	87	3.4	69-123	20	04/08/2014 1157
Bromodichloromethane	50	43		1	86	7.7	69-121	20	04/08/2014 1157
Bromoform	50	46		1	91	4.5	61-119	20	04/08/2014 1157
Bromomethane (Methyl bromide)	50	40		1	81	7.2	10-168	20	04/08/2014 1157
2-Butanone (MEK)	100	100		1	100	6.3	57-148	20	04/08/2014 1157
Carbon disulfide	50	41		1	83	6.0	58-122	20	04/08/2014 1157
Carbon tetrachloride	50	43		1	87	0.20	58-136	20	04/08/2014 1157
Chlorobenzene	50	42		1	84	4.6	59-129	20	04/08/2014 1157
Chloroethane	50	40		1	80	5.6	42-163	20	04/08/2014 1157
Chloroform	50	44		1	87	1.4	71-125	20	04/08/2014 1157
Chloromethane (Methyl chloride)	50	38		1	76	8.0	34-134	20	04/08/2014 1157
Cyclohexane	50	43		1	86	4.0	53-139	20	04/08/2014 1157
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	5.8	55-125	20	04/08/2014 1157
Dibromochloromethane	50	46		1	91	1.3	66-119	20	04/08/2014 1157
1,2-Dibromoethane (EDB)	50	45		1	89	5.7	74-124	20	04/08/2014 1157
1,4-Dichlorobenzene	50	44		1	88	3.6	52-133	20	04/08/2014 1157
1,3-Dichlorobenzene	50	43		1	86	1.8	51-134	20	04/08/2014 1157
1,2-Dichlorobenzene	50	46		1	91	0.27	57-131	20	04/08/2014 1157
Dichlorodifluoromethane	50	42		1	84	8.9	10-157	20	04/08/2014 1157
1,2-Dichloroethane	50	44		1	89	1.0	67-129	20	04/08/2014 1157
1,1-Dichloroethane	50	42		1	85	2.2	71-127	20	04/08/2014 1157
trans-1,2-Dichloroethene	50	43		1	86	1.2	68-131	20	04/08/2014 1157
cis-1,2-Dichloroethene	50	44		1	87	2.6	70-122	20	04/08/2014 1157
1,1-Dichloroethene	50	42		1	84	5.1	69-138	20	04/08/2014 1157
1,2-Dichloropropane	50	43		1	86	1.9	72-124	20	04/08/2014 1157
trans-1,3-Dichloropropene	50	43		1	85	6.8	70-124	20	04/08/2014 1157
cis-1,3-Dichloropropene	50	45		1	90	4.5	70-126	20	04/08/2014 1157
Ethylbenzene	50	43		1	86	2.5	59-128	20	04/08/2014 1157
2-Hexanone	100	94		1	94	8.4	54-137	20	04/08/2014 1157
Isopropylbenzene	50	46		1	92	3.1	50-136	20	04/08/2014 1157
Methyl acetate	50	49		1	98	3.4	59-137	20	04/08/2014 1157
Methyl tertiary butyl ether (MTBE)	50	49		1	98	0.53	70-130	20	04/08/2014 1157
4-Methyl-2-pentanone	100	98		1	98	4.3	60-134	20	04/08/2014 1157
Methylcyclohexane	50	43		1	86	9.6	41-144	20	04/08/2014 1157
Methylene chloride	50	42		1	83	0.76	70-130	20	04/08/2014 1157
Styrene	50	43		1	86	5.9	54-136	20	04/08/2014 1157
1,1,2,2-Tetrachloroethane	50	47		1	95	2.4	69-132	20	04/08/2014 1157
Tetrachloroethene	50	42		1	83	5.5	45-150	20	04/08/2014 1157
Toluene	50	42		1	84	7.8	61-129	20	04/08/2014 1157
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	6.2	49-136	20	04/08/2014 1157
1,2,4-Trichlorobenzene	50	45		1	90	4.6	34-145	20	04/08/2014 1157
1,1,2-Trichloroethane	50	42		1	84	5.9	55-128	20	04/08/2014 1157
1,1,1-Trichloroethane	50	43		1	86	0.50	63-128	20	04/08/2014 1157

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44294-003
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	5.4	62-126	20	04/08/2014 1157
Trichlorofluoromethane	50	41		1	82	4.6	45-138	20	04/08/2014 1157
Vinyl chloride	50	38		1	76	9.9	42-132	20	04/08/2014 1157
Xylenes (total)	100	87		1	87	4.4	58-128	20	04/08/2014 1157

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD02111-006MS
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	140	140		1	97	60-140	04/08/2014 1806
Benzene	ND	68	76		1	111	69-123	04/08/2014 1806
Bromodichloromethane	ND	68	73		1	106	69-121	04/08/2014 1806
Bromoform	ND	68	71		1	104	61-119	04/08/2014 1806
Bromomethane (Methyl bromide)	ND	68	75		1	110	35-144	04/08/2014 1806
2-Butanone (MEK)	ND	140	150		1	108	57-148	04/08/2014 1806
Carbon disulfide	ND	68	79		1	116	58-122	04/08/2014 1806
Carbon tetrachloride	ND	68	81		1	119	58-136	04/08/2014 1806
Chlorobenzene	ND	68	74		1	109	59-129	04/08/2014 1806
Chloroethane	ND	68	75		1	110	50-132	04/08/2014 1806
Chloroform	ND	68	76		1	112	71-125	04/08/2014 1806
Chloromethane (Methyl chloride)	ND	68	74		1	109	34-134	04/08/2014 1806
Cyclohexane	ND	68	80		1	118	53-139	04/08/2014 1806
1,2-Dibromo-3-chloropropane (DBCP)	ND	68	69		1	101	55-125	04/08/2014 1806
Dibromochloromethane	ND	68	71		1	104	66-119	04/08/2014 1806
1,2-Dibromoethane (EDB)	ND	68	71		1	104	74-124	04/08/2014 1806
1,2-Dichlorobenzene	ND	68	67		1	99	57-131	04/08/2014 1806
1,3-Dichlorobenzene	ND	68	67		1	98	51-134	04/08/2014 1806
1,4-Dichlorobenzene	ND	68	69		1	101	52-133	04/08/2014 1806
Dichlorodifluoromethane	ND	68	81		1	119	10-157	04/08/2014 1806
1,1-Dichloroethane	ND	68	76		1	112	71-127	04/08/2014 1806
1,2-Dichloroethane	ND	68	70		1	103	67-129	04/08/2014 1806
1,1-Dichloroethene	ND	68	80		1	117	69-138	04/08/2014 1806
cis-1,2-Dichloroethene	ND	68	77		1	113	70-122	04/08/2014 1806
trans-1,2-Dichloroethene	ND	68	77		1	113	68-131	04/08/2014 1806
1,2-Dichloropropane	ND	68	73		1	107	72-124	04/08/2014 1806
cis-1,3-Dichloropropene	ND	68	73		1	107	70-126	04/08/2014 1806
trans-1,3-Dichloropropene	ND	68	70		1	102	70-124	04/08/2014 1806
Ethylbenzene	ND	68	75		1	109	59-128	04/08/2014 1806
2-Hexanone	ND	140	130		1	92	54-137	04/08/2014 1806
Isopropylbenzene	ND	68	76		1	111	50-136	04/08/2014 1806
Methyl acetate	ND	68	80		1	118	59-137	04/08/2014 1806
Methyl tertiary butyl ether (MTBE)	ND	68	75		1	110	70-130	04/08/2014 1806
4-Methyl-2-pentanone	ND	140	140		1	100	60-134	04/08/2014 1806
Methylcyclohexane	ND	68	83		1	121	41-144	04/08/2014 1806
Methylene chloride	ND	68	73		1	107	77-129	04/08/2014 1806
Styrene	ND	68	75		1	109	54-136	04/08/2014 1806
1,1,2,2-Tetrachloroethane	ND	68	72		1	105	69-132	04/08/2014 1806
Tetrachloroethene	2.5	68	86		1	123	70-130	04/08/2014 1806
Toluene	ND	68	74		1	109	61-129	04/08/2014 1806
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	68	90		1	132	49-136	04/08/2014 1806
1,2,4-Trichlorobenzene	ND	68	60		1	88	34-145	04/08/2014 1806
1,1,1-Trichloroethane	ND	68	80		1	117	63-128	04/08/2014 1806
1,1,2-Trichloroethane	ND	68	67		1	98	55-128	04/08/2014 1806

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD02111-006MS
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	68	77		1	113	62-126	04/08/2014 1806
Trichlorofluoromethane	ND	68	78		1	115	45-138	04/08/2014 1806
Vinyl chloride	ND	68	78		1	114	42-132	04/08/2014 1806
Xylenes (total)	ND	140	150		1	112	58-128	04/08/2014 1806

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		106	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD02111-006MD
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	120	180	+	1	136	22	60-140	20	04/08/2014 1925
Benzene	ND	61	61	+	1	99	21	69-123	20	04/08/2014 1925
Bromodichloromethane	ND	61	62		1	101	16	69-121	20	04/08/2014 1925
Bromoform	ND	61	63		1	103	11	61-119	20	04/08/2014 1925
Bromomethane (Methyl bromide)	ND	61	67		1	108	12	35-144	20	04/08/2014 1925
2-Butanone (MEK)	ND	120	180		1	146	20	57-148	20	04/08/2014 1925
Carbon disulfide	ND	61	67		1	109	17	58-122	20	04/08/2014 1925
Carbon tetrachloride	ND	61	67		1	109	19	58-136	20	04/08/2014 1925
Chlorobenzene	ND	61	53	+	1	87	33	59-129	20	04/08/2014 1925
Chloroethane	ND	61	67		1	109	11	50-132	20	04/08/2014 1925
Chloroform	ND	61	66		1	108	14	71-125	20	04/08/2014 1925
Chloromethane (Methyl chloride)	ND	61	64		1	105	14	34-134	20	04/08/2014 1925
Cyclohexane	ND	61	67		1	109	18	53-139	20	04/08/2014 1925
1,2-Dibromo-3-chloropropane (DBCP)	ND	61	77		1	125	12	55-125	20	04/08/2014 1925
Dibromochloromethane	ND	61	64		1	104	11	66-119	20	04/08/2014 1925
1,2-Dibromoethane (EDB)	ND	61	64		1	105	9.9	74-124	20	04/08/2014 1925
1,2-Dichlorobenzene	ND	61	48	+	1	78	33	57-131	20	04/08/2014 1925
1,3-Dichlorobenzene	ND	61	44	+	1	72	40	51-134	20	04/08/2014 1925
1,4-Dichlorobenzene	ND	61	46	+	1	74	40	52-133	20	04/08/2014 1925
Dichlorodifluoromethane	ND	61	70		1	114	14	10-157	20	04/08/2014 1925
1,1-Dichloroethane	ND	61	66		1	107	15	71-127	20	04/08/2014 1925
1,2-Dichloroethane	ND	61	62		1	101	12	67-129	20	04/08/2014 1925
1,1-Dichloroethene	ND	61	69		1	111	15	69-138	20	04/08/2014 1925
cis-1,2-Dichloroethene	ND	61	65		1	105	17	70-122	20	04/08/2014 1925
trans-1,2-Dichloroethene	ND	61	64		1	105	18	68-131	20	04/08/2014 1925
1,2-Dichloropropane	ND	61	61		1	100	18	72-124	20	04/08/2014 1925
cis-1,3-Dichloropropene	ND	61	59	+	1	96	21	70-126	20	04/08/2014 1925
trans-1,3-Dichloropropene	ND	61	57		1	93	19	70-124	20	04/08/2014 1925
Ethylbenzene	ND	61	55	+	1	89	30	59-128	20	04/08/2014 1925
2-Hexanone	ND	120	160	+	1	133	26	54-137	20	04/08/2014 1925
Isopropylbenzene	ND	61	54	+	1	87	34	50-136	20	04/08/2014 1925
Methyl acetate	ND	61	110	N,+	1	174	28	59-137	20	04/08/2014 1925
Methyl tertiary butyl ether (MTBE)	ND	61	70		1	114	6.2	70-130	20	04/08/2014 1925
4-Methyl-2-pentanone	ND	120	160		1	127	13	60-134	20	04/08/2014 1925
Methylcyclohexane	ND	61	62	+	1	101	28	41-144	20	04/08/2014 1925
Methylene chloride	ND	61	63		1	102	15	77-129	20	04/08/2014 1925
Styrene	ND	61	52	+	1	85	35	54-136	20	04/08/2014 1925
1,1,2,2-Tetrachloroethane	ND	61	71		1	115	1.1	69-132	20	04/08/2014 1925
Tetrachloroethene	2.5	61	61	+	1	95	34	70-130	20	04/08/2014 1925
Toluene	ND	61	56	+	1	90	29	61-129	20	04/08/2014 1925
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	61	77		1	125	16	49-136	20	04/08/2014 1925
1,2,4-Trichlorobenzene	ND	61	38	+	1	62	44	34-145	20	04/08/2014 1925
1,1,1-Trichloroethane	ND	61	65		1	106	20	63-128	20	04/08/2014 1925
1,1,2-Trichloroethane	ND	61	60		1	97	11	55-128	20	04/08/2014 1925

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD02111-006MD
Batch: 44294
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	61	58	+	1	94	28	62-126	20	04/08/2014 1925
Trichlorofluoromethane	ND	61	68		1	110	15	45-138	20	04/08/2014 1925
Vinyl chloride	ND	61	69		1	112	12	42-132	20	04/08/2014 1925
Xylenes (total)	ND	120	110	+	1	89	33	58-128	20	04/08/2014 1925

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		94	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44327-001
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/09/2014 0155
Benzene	ND		1	5.0	1.1	ug/kg	04/09/2014 0155
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
Bromoform	ND		1	5.0	0.70	ug/kg	04/09/2014 0155
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/09/2014 0155
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/09/2014 0155
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/09/2014 0155
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/09/2014 0155
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
Chloroethane	ND		1	5.0	1.3	ug/kg	04/09/2014 0155
Chloroform	ND		1	5.0	0.83	ug/kg	04/09/2014 0155
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/09/2014 0155
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/09/2014 0155
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/09/2014 0155
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/09/2014 0155
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/09/2014 0155
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/09/2014 0155
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/09/2014 0155
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/09/2014 0155
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/09/2014 0155
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/09/2014 0155
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/09/2014 0155
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/09/2014 0155
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
2-Hexanone	ND		1	10	1.3	ug/kg	04/09/2014 0155
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/09/2014 0155
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/09/2014 0155
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/09/2014 0155
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/09/2014 0155
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/09/2014 0155
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/09/2014 0155
Styrene	ND		1	5.0	1.1	ug/kg	04/09/2014 0155
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/09/2014 0155
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/09/2014 0155
Toluene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/09/2014 0155
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/09/2014 0155
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/09/2014 0155

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44327-001
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/09/2014 0155
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/09/2014 0155
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/09/2014 0155
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/09/2014 0155

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44327-002
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	89		1	89	60-140	04/09/2014 0023
Benzene	50	40		1	80	69-123	04/09/2014 0023
Bromodichloromethane	50	39		1	78	69-121	04/09/2014 0023
Bromoform	50	41		1	82	61-119	04/09/2014 0023
Bromomethane (Methyl bromide)	50	39		1	78	10-168	04/09/2014 0023
2-Butanone (MEK)	100	92		1	92	57-148	04/09/2014 0023
Carbon disulfide	50	40		1	80	58-122	04/09/2014 0023
Carbon tetrachloride	50	40		1	81	58-136	04/09/2014 0023
Chlorobenzene	50	40		1	80	59-129	04/09/2014 0023
Chloroethane	50	39		1	78	42-163	04/09/2014 0023
Chloroform	50	39		1	79	71-125	04/09/2014 0023
Chloromethane (Methyl chloride)	50	36		1	71	34-134	04/09/2014 0023
Cyclohexane	50	41		1	82	53-139	04/09/2014 0023
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	84	55-125	04/09/2014 0023
Dibromochloromethane	50	40		1	79	66-119	04/09/2014 0023
1,2-Dibromoethane (EDB)	50	41		1	81	74-124	04/09/2014 0023
1,4-Dichlorobenzene	50	39		1	78	52-133	04/09/2014 0023
1,3-Dichlorobenzene	50	38		1	76	51-134	04/09/2014 0023
1,2-Dichlorobenzene	50	40		1	80	57-131	04/09/2014 0023
Dichlorodifluoromethane	50	38		1	77	10-157	04/09/2014 0023
1,2-Dichloroethane	50	39		1	78	67-129	04/09/2014 0023
1,1-Dichloroethane	50	39		1	77	71-127	04/09/2014 0023
trans-1,2-Dichloroethene	50	41		1	81	68-131	04/09/2014 0023
cis-1,2-Dichloroethene	50	40		1	80	70-122	04/09/2014 0023
1,1-Dichloroethene	50	40		1	80	69-138	04/09/2014 0023
1,2-Dichloropropane	50	39		1	79	72-124	04/09/2014 0023
trans-1,3-Dichloropropene	50	40		1	80	70-124	04/09/2014 0023
cis-1,3-Dichloropropene	50	40		1	80	70-126	04/09/2014 0023
Ethylbenzene	50	39		1	79	59-128	04/09/2014 0023
2-Hexanone	100	84		1	84	54-137	04/09/2014 0023
Isopropylbenzene	50	43		1	85	50-136	04/09/2014 0023
Methyl acetate	50	44		1	87	59-137	04/09/2014 0023
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	04/09/2014 0023
4-Methyl-2-pentanone	100	86		1	86	60-134	04/09/2014 0023
Methylcyclohexane	50	41		1	83	41-144	04/09/2014 0023
Methylene chloride	50	38		1	76	70-130	04/09/2014 0023
Styrene	50	39		1	79	54-136	04/09/2014 0023
1,1,2,2-Tetrachloroethane	50	41		1	82	69-132	04/09/2014 0023
Tetrachloroethene	50	41		1	82	45-150	04/09/2014 0023
Toluene	50	38		1	77	61-129	04/09/2014 0023
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	49-136	04/09/2014 0023
1,2,4-Trichlorobenzene	50	40		1	80	34-145	04/09/2014 0023
1,1,2-Trichloroethane	50	38		1	77	55-128	04/09/2014 0023
1,1,1-Trichloroethane	50	40		1	79	63-128	04/09/2014 0023

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44327-002
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	80	62-126	04/09/2014 0023
Trichlorofluoromethane	50	40		1	80	45-138	04/09/2014 0023
Vinyl chloride	50	36		1	73	42-132	04/09/2014 0023
Xylenes (total)	100	79		1	79	58-128	04/09/2014 0023

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		108	53-142
Toluene-d8		110	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44327-003
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	87		1	87	2.0	60-140	20	04/09/2014 0046
Benzene	50	38		1	76	4.5	69-123	20	04/09/2014 0046
Bromodichloromethane	50	39		1	78	0.15	69-121	20	04/09/2014 0046
Bromoform	50	40		1	81	1.8	61-119	20	04/09/2014 0046
Bromomethane (Methyl bromide)	50	38		1	77	1.6	10-168	20	04/09/2014 0046
2-Butanone (MEK)	100	91		1	91	1.2	57-148	20	04/09/2014 0046
Carbon disulfide	50	38		1	77	3.6	58-122	20	04/09/2014 0046
Carbon tetrachloride	50	40		1	80	1.5	58-136	20	04/09/2014 0046
Chlorobenzene	50	38		1	76	5.4	59-129	20	04/09/2014 0046
Chloroethane	50	38		1	77	1.3	42-163	20	04/09/2014 0046
Chloroform	50	40		1	80	0.86	71-125	20	04/09/2014 0046
Chloromethane (Methyl chloride)	50	36		1	72	0.52	34-134	20	04/09/2014 0046
Cyclohexane	50	39		1	78	4.7	53-139	20	04/09/2014 0046
1,2-Dibromo-3-chloropropane (DBCP)	50	40		1	81	4.4	55-125	20	04/09/2014 0046
Dibromochloromethane	50	41		1	82	4.1	66-119	20	04/09/2014 0046
1,2-Dibromoethane (EDB)	50	40		1	79	2.1	74-124	20	04/09/2014 0046
1,4-Dichlorobenzene	50	38		1	76	2.3	52-133	20	04/09/2014 0046
1,3-Dichlorobenzene	50	39		1	77	1.9	51-134	20	04/09/2014 0046
1,2-Dichlorobenzene	50	39		1	78	1.5	57-131	20	04/09/2014 0046
Dichlorodifluoromethane	50	39		1	78	1.2	10-157	20	04/09/2014 0046
1,2-Dichloroethane	50	40		1	79	1.5	67-129	20	04/09/2014 0046
1,1-Dichloroethane	50	39		1	78	0.25	71-127	20	04/09/2014 0046
trans-1,2-Dichloroethene	50	39		1	78	4.4	68-131	20	04/09/2014 0046
cis-1,2-Dichloroethene	50	40		1	79	0.66	70-122	20	04/09/2014 0046
1,1-Dichloroethene	50	38		1	77	4.1	69-138	20	04/09/2014 0046
1,2-Dichloropropane	50	38		1	76	2.7	72-124	20	04/09/2014 0046
trans-1,3-Dichloropropene	50	40		1	80	0.13	70-124	20	04/09/2014 0046
cis-1,3-Dichloropropene	50	41		1	81	1.3	70-126	20	04/09/2014 0046
Ethylbenzene	50	39		1	79	0.13	59-128	20	04/09/2014 0046
2-Hexanone	100	84		1	84	0.41	54-137	20	04/09/2014 0046
Isopropylbenzene	50	40		1	80	6.0	50-136	20	04/09/2014 0046
Methyl acetate	50	43		1	87	0.24	59-137	20	04/09/2014 0046
Methyl tertiary butyl ether (MTBE)	50	44		1	88	0.82	70-130	20	04/09/2014 0046
4-Methyl-2-pentanone	100	85		1	85	1.4	60-134	20	04/09/2014 0046
Methylcyclohexane	50	40		1	80	3.5	41-144	20	04/09/2014 0046
Methylene chloride	50	38		1	76	0.35	70-130	20	04/09/2014 0046
Styrene	50	39		1	79	0.13	54-136	20	04/09/2014 0046
1,1,2,2-Tetrachloroethane	50	41		1	83	1.3	69-132	20	04/09/2014 0046
Tetrachloroethene	50	40		1	79	3.2	45-150	20	04/09/2014 0046
Toluene	50	38		1	76	0.36	61-129	20	04/09/2014 0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	0.028	49-136	20	04/09/2014 0046
1,2,4-Trichlorobenzene	50	39		1	79	2.5	34-145	20	04/09/2014 0046
1,1,2-Trichloroethane	50	38		1	76	1.8	55-128	20	04/09/2014 0046
1,1,1-Trichloroethane	50	41		1	81	2.2	63-128	20	04/09/2014 0046

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44327-003
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	39		1	77	3.4	62-126	20	04/09/2014 0046
Trichlorofluoromethane	50	39		1	78	2.4	45-138	20	04/09/2014 0046
Vinyl chloride	50	37		1	74	1.7	42-132	20	04/09/2014 0046
Xylenes (total)	100	78		1	78	0.48	58-128	20	04/09/2014 0046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44328-001
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/08/2014 0808
Benzene	ND		50	250	55	ug/kg	04/08/2014 0808
Bromodichloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
Bromoform	ND		50	250	35	ug/kg	04/08/2014 0808
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/08/2014 0808
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/08/2014 0808
Carbon disulfide	ND		50	250	65	ug/kg	04/08/2014 0808
Carbon tetrachloride	ND		50	250	90	ug/kg	04/08/2014 0808
Chlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Chloroethane	ND		50	250	65	ug/kg	04/08/2014 0808
Chloroform	ND		50	250	42	ug/kg	04/08/2014 0808
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/08/2014 0808
Cyclohexane	ND		50	250	34	ug/kg	04/08/2014 0808
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/08/2014 0808
Dibromochloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/08/2014 0808
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/08/2014 0808
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/08/2014 0808
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/08/2014 0808
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/08/2014 0808
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/08/2014 0808
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/08/2014 0808
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/08/2014 0808
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/08/2014 0808
Ethylbenzene	ND		50	250	85	ug/kg	04/08/2014 0808
2-Hexanone	ND		50	500	65	ug/kg	04/08/2014 0808
Isopropylbenzene	ND		50	250	12	ug/kg	04/08/2014 0808
Methyl acetate	ND		50	250	49	ug/kg	04/08/2014 0808
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/08/2014 0808
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/08/2014 0808
Methylcyclohexane	ND		50	250	21	ug/kg	04/08/2014 0808
Methylene chloride	ND		50	250	130	ug/kg	04/08/2014 0808
Styrene	ND		50	250	55	ug/kg	04/08/2014 0808
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/08/2014 0808
Tetrachloroethene	ND		50	250	25	ug/kg	04/08/2014 0808
Toluene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/08/2014 0808
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/08/2014 0808
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/08/2014 0808

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44328-001
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/08/2014 0808
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/08/2014 0808
Vinyl chloride	ND		50	250	43	ug/kg	04/08/2014 0808
Xylenes (total)	ND		50	250	150	ug/kg	04/08/2014 0808

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44328-002
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3500		50	69	60-140	04/08/2014 0659
Benzene	2500	2300		50	90	69-123	04/08/2014 0659
Bromodichloromethane	2500	2300		50	93	69-121	04/08/2014 0659
Bromoform	2500	2300		50	92	61-119	04/08/2014 0659
Bromomethane (Methyl bromide)	2500	1400		50	57	10-168	04/08/2014 0659
2-Butanone (MEK)	5000	4300		50	87	57-148	04/08/2014 0659
Carbon disulfide	2500	2000		50	80	58-122	04/08/2014 0659
Carbon tetrachloride	2500	2200		50	88	58-136	04/08/2014 0659
Chlorobenzene	2500	2000		50	78	59-129	04/08/2014 0659
Chloroethane	2500	2000		50	81	42-163	04/08/2014 0659
Chloroform	2500	2300		50	92	71-125	04/08/2014 0659
Chloromethane (Methyl chloride)	2500	1700		50	69	34-134	04/08/2014 0659
Cyclohexane	2500	2200		50	87	53-139	04/08/2014 0659
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	55-125	04/08/2014 0659
Dibromochloromethane	2500	2400		50	96	66-119	04/08/2014 0659
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/08/2014 0659
1,4-Dichlorobenzene	2500	1600		50	64	52-133	04/08/2014 0659
1,3-Dichlorobenzene	2500	1600		50	65	51-134	04/08/2014 0659
1,2-Dichlorobenzene	2500	1800		50	72	57-131	04/08/2014 0659
Dichlorodifluoromethane	2500	1400		50	54	10-157	04/08/2014 0659
1,2-Dichloroethane	2500	2400		50	95	67-129	04/08/2014 0659
1,1-Dichloroethane	2500	2300		50	91	71-127	04/08/2014 0659
trans-1,2-Dichloroethene	2500	2200		50	87	68-131	04/08/2014 0659
cis-1,2-Dichloroethene	2500	2300		50	93	70-122	04/08/2014 0659
1,1-Dichloroethene	2500	2200		50	86	69-138	04/08/2014 0659
1,2-Dichloropropane	2500	2300		50	94	72-124	04/08/2014 0659
trans-1,3-Dichloropropene	2500	2300		50	92	70-124	04/08/2014 0659
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/08/2014 0659
Ethylbenzene	2500	1900		50	75	59-128	04/08/2014 0659
2-Hexanone	5000	4900		50	98	54-137	04/08/2014 0659
Isopropylbenzene	2500	1800		50	74	50-136	04/08/2014 0659
Methyl acetate	2500	2700		50	107	59-137	04/08/2014 0659
Methyl tertiary butyl ether (MTBE)	2500	2700		50	108	70-130	04/08/2014 0659
4-Methyl-2-pentanone	5000	5000		50	101	60-134	04/08/2014 0659
Methylcyclohexane	2500	2100		50	84	41-144	04/08/2014 0659
Methylene chloride	2500	2300		50	90	70-130	04/08/2014 0659
Styrene	2500	1900		50	77	54-136	04/08/2014 0659
1,1,2,2-Tetrachloroethane	2500	2400		50	97	69-132	04/08/2014 0659
Tetrachloroethene	2500	1900		50	76	45-150	04/08/2014 0659
Toluene	2500	2000		50	80	61-129	04/08/2014 0659
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2400		50	95	49-136	04/08/2014 0659
1,2,4-Trichlorobenzene	2500	1500		50	58	34-145	04/08/2014 0659
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/08/2014 0659
1,1,1-Trichloroethane	2500	2200		50	87	63-128	04/08/2014 0659

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44328-002
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2100		50	86	62-126	04/08/2014 0659
Trichlorofluoromethane	2500	2100		50	83	45-138	04/08/2014 0659
Vinyl chloride	2500	1800		50	73	42-132	04/08/2014 0659
Xylenes (total)	5000	3800		50	76	58-128	04/08/2014 0659

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44328-003
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	73	4.8	60-140	20	04/08/2014 0722
Benzene	2500	2400		50	96	6.7	69-123	20	04/08/2014 0722
Bromodichloromethane	2500	2400		50	96	2.1	69-121	20	04/08/2014 0722
Bromoform	2500	2300		50	91	0.77	61-119	20	04/08/2014 0722
Bromomethane (Methyl bromide)	2500	1600		50	65	13	10-168	20	04/08/2014 0722
2-Butanone (MEK)	5000	4600		50	92	5.8	57-148	20	04/08/2014 0722
Carbon disulfide	2500	2200		50	86	7.6	58-122	20	04/08/2014 0722
Carbon tetrachloride	2500	2400		50	96	9.2	58-136	20	04/08/2014 0722
Chlorobenzene	2500	2300		50	92	16	59-129	20	04/08/2014 0722
Chloroethane	2500	2200		50	87	6.8	42-163	20	04/08/2014 0722
Chloroform	2500	2500		50	98	6.7	71-125	20	04/08/2014 0722
Chloromethane (Methyl chloride)	2500	1900		50	74	7.4	34-134	20	04/08/2014 0722
Cyclohexane	2500	2300		50	94	8.0	53-139	20	04/08/2014 0722
1,2-Dibromo-3-chloropropane (DBCP)	2500	2200		50	88	8.3	55-125	20	04/08/2014 0722
Dibromochloromethane	2500	2400		50	97	1.1	66-119	20	04/08/2014 0722
1,2-Dibromoethane (EDB)	2500	2500		50	98	1.5	74-124	20	04/08/2014 0722
1,4-Dichlorobenzene	2500	2100	+	50	85	28	52-133	20	04/08/2014 0722
1,3-Dichlorobenzene	2500	2100	+	50	84	26	51-134	20	04/08/2014 0722
1,2-Dichlorobenzene	2500	2200	+	50	89	21	57-131	20	04/08/2014 0722
Dichlorodifluoromethane	2500	1500		50	59	8.0	10-157	20	04/08/2014 0722
1,2-Dichloroethane	2500	2500		50	99	3.4	67-129	20	04/08/2014 0722
1,1-Dichloroethane	2500	2400		50	98	7.4	71-127	20	04/08/2014 0722
trans-1,2-Dichloroethene	2500	2400		50	94	7.9	68-131	20	04/08/2014 0722
cis-1,2-Dichloroethene	2500	2500		50	101	8.7	70-122	20	04/08/2014 0722
1,1-Dichloroethene	2500	2300		50	92	7.0	69-138	20	04/08/2014 0722
1,2-Dichloropropane	2500	2400		50	98	4.1	72-124	20	04/08/2014 0722
trans-1,3-Dichloropropene	2500	2400		50	95	3.2	70-124	20	04/08/2014 0722
cis-1,3-Dichloropropene	2500	2400		50	98	4.9	70-126	20	04/08/2014 0722
Ethylbenzene	2500	2300		50	92	19	59-128	20	04/08/2014 0722
2-Hexanone	5000	4200		50	85	14	54-137	20	04/08/2014 0722
Isopropylbenzene	2500	2400	+	50	98	28	50-136	20	04/08/2014 0722
Methyl acetate	2500	2700		50	108	1.5	59-137	20	04/08/2014 0722
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	3.7	70-130	20	04/08/2014 0722
4-Methyl-2-pentanone	5000	4400		50	88	13	60-134	20	04/08/2014 0722
Methylcyclohexane	2500	2300		50	91	8.4	41-144	20	04/08/2014 0722
Methylene chloride	2500	2400		50	94	4.6	70-130	20	04/08/2014 0722
Styrene	2500	2300		50	92	19	54-136	20	04/08/2014 0722
1,1,2,2-Tetrachloroethane	2500	2300		50	93	4.8	69-132	20	04/08/2014 0722
Tetrachloroethene	2500	2300		50	90	16	45-150	20	04/08/2014 0722
Toluene	2500	2200		50	89	11	61-129	20	04/08/2014 0722
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2500		50	101	6.3	49-136	20	04/08/2014 0722
1,2,4-Trichlorobenzene	2500	1800	+	50	73	23	34-145	20	04/08/2014 0722
1,1,2-Trichloroethane	2500	2300		50	93	0.57	55-128	20	04/08/2014 0722
1,1,1-Trichloroethane	2500	2400		50	96	9.0	63-128	20	04/08/2014 0722

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44328-003
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2400		50	94	9.4	62-126	20	04/08/2014 0722
Trichlorofluoromethane	2500	2200		50	88	6.0	45-138	20	04/08/2014 0722
Vinyl chloride	2500	2000		50	78	6.8	42-132	20	04/08/2014 0722
Xylenes (total)	5000	4600		50	92	20	58-128	20	04/08/2014 0722

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44389-001
Batch: 44389
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/08/2014 0808
Benzene	ND		50	250	55	ug/kg	04/08/2014 0808
Bromodichloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
Bromoform	ND		50	250	35	ug/kg	04/08/2014 0808
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/08/2014 0808
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/08/2014 0808
Carbon disulfide	ND		50	250	65	ug/kg	04/08/2014 0808
Carbon tetrachloride	ND		50	250	90	ug/kg	04/08/2014 0808
Chlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Chloroethane	ND		50	250	65	ug/kg	04/08/2014 0808
Chloroform	ND		50	250	42	ug/kg	04/08/2014 0808
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/08/2014 0808
Cyclohexane	ND		50	250	34	ug/kg	04/08/2014 0808
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/08/2014 0808
Dibromochloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/08/2014 0808
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/08/2014 0808
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/08/2014 0808
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/08/2014 0808
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/08/2014 0808
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/08/2014 0808
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/08/2014 0808
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/08/2014 0808
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/08/2014 0808
Ethylbenzene	ND		50	250	85	ug/kg	04/08/2014 0808
2-Hexanone	ND		50	500	65	ug/kg	04/08/2014 0808
Isopropylbenzene	ND		50	250	12	ug/kg	04/08/2014 0808
Methyl acetate	ND		50	250	49	ug/kg	04/08/2014 0808
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/08/2014 0808
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/08/2014 0808
Methylcyclohexane	ND		50	250	21	ug/kg	04/08/2014 0808
Methylene chloride	ND		50	250	130	ug/kg	04/08/2014 0808
Styrene	ND		50	250	55	ug/kg	04/08/2014 0808
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/08/2014 0808
Tetrachloroethene	ND		50	250	25	ug/kg	04/08/2014 0808
Toluene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/08/2014 0808
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/08/2014 0808
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/08/2014 0808

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44389-001
Batch: 44389
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/08/2014 0808
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/08/2014 0808
Vinyl chloride	ND		50	250	43	ug/kg	04/08/2014 0808
Xylenes (total)	ND		50	250	150	ug/kg	04/08/2014 0808

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44389-002
Batch: 44389
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3500		50	69	60-140	04/08/2014 0659
Benzene	2500	2300		50	90	69-123	04/08/2014 0659
Bromodichloromethane	2500	2300		50	93	69-121	04/08/2014 0659
Bromoform	2500	2300		50	92	61-119	04/08/2014 0659
Bromomethane (Methyl bromide)	2500	1400		50	57	10-168	04/08/2014 0659
2-Butanone (MEK)	5000	4300		50	87	57-148	04/08/2014 0659
Carbon disulfide	2500	2000		50	80	58-122	04/08/2014 0659
Carbon tetrachloride	2500	2200		50	88	58-136	04/08/2014 0659
Chlorobenzene	2500	2000		50	78	59-129	04/08/2014 0659
Chloroethane	2500	2000		50	81	42-163	04/08/2014 0659
Chloroform	2500	2300		50	92	71-125	04/08/2014 0659
Chloromethane (Methyl chloride)	2500	1700		50	69	34-134	04/08/2014 0659
Cyclohexane	2500	2200		50	87	53-139	04/08/2014 0659
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	55-125	04/08/2014 0659
Dibromochloromethane	2500	2400		50	96	66-119	04/08/2014 0659
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/08/2014 0659
1,4-Dichlorobenzene	2500	1600		50	64	52-133	04/08/2014 0659
1,3-Dichlorobenzene	2500	1600		50	65	51-134	04/08/2014 0659
1,2-Dichlorobenzene	2500	1800		50	72	57-131	04/08/2014 0659
Dichlorodifluoromethane	2500	1400		50	54	10-157	04/08/2014 0659
1,2-Dichloroethane	2500	2400		50	95	67-129	04/08/2014 0659
1,1-Dichloroethane	2500	2300		50	91	71-127	04/08/2014 0659
trans-1,2-Dichloroethene	2500	2200		50	87	68-131	04/08/2014 0659
cis-1,2-Dichloroethene	2500	2300		50	93	70-122	04/08/2014 0659
1,1-Dichloroethene	2500	2200		50	86	69-138	04/08/2014 0659
1,2-Dichloropropane	2500	2300		50	94	72-124	04/08/2014 0659
trans-1,3-Dichloropropene	2500	2300		50	92	70-124	04/08/2014 0659
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/08/2014 0659
Ethylbenzene	2500	1900		50	75	59-128	04/08/2014 0659
2-Hexanone	5000	4900		50	98	54-137	04/08/2014 0659
Isopropylbenzene	2500	1800		50	74	50-136	04/08/2014 0659
Methyl acetate	2500	2700		50	107	59-137	04/08/2014 0659
Methyl tertiary butyl ether (MTBE)	2500	2700		50	108	70-130	04/08/2014 0659
4-Methyl-2-pentanone	5000	5000		50	101	60-134	04/08/2014 0659
Methylcyclohexane	2500	2100		50	84	41-144	04/08/2014 0659
Methylene chloride	2500	2300		50	90	70-130	04/08/2014 0659
Styrene	2500	1900		50	77	54-136	04/08/2014 0659
1,1,2,2-Tetrachloroethane	2500	2400		50	97	69-132	04/08/2014 0659
Tetrachloroethene	2500	1900		50	76	45-150	04/08/2014 0659
Toluene	2500	2000		50	80	61-129	04/08/2014 0659
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2400		50	95	49-136	04/08/2014 0659
1,2,4-Trichlorobenzene	2500	1500		50	58	34-145	04/08/2014 0659
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/08/2014 0659
1,1,1-Trichloroethane	2500	2200		50	87	63-128	04/08/2014 0659

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44389-002
Batch: 44389
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2100		50	86	62-126	04/08/2014 0659
Trichlorofluoromethane	2500	2100		50	83	45-138	04/08/2014 0659
Vinyl chloride	2500	1800		50	73	42-132	04/08/2014 0659
Xylenes (total)	5000	3800		50	76	58-128	04/08/2014 0659

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44389-003
Batch: 44389
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	73	4.8	60-140	20	04/08/2014 0722
Benzene	2500	2400		50	96	6.7	69-123	20	04/08/2014 0722
Bromodichloromethane	2500	2400		50	96	2.1	69-121	20	04/08/2014 0722
Bromoform	2500	2300		50	91	0.77	61-119	20	04/08/2014 0722
Bromomethane (Methyl bromide)	2500	1600		50	65	13	10-168	20	04/08/2014 0722
2-Butanone (MEK)	5000	4600		50	92	5.8	57-148	20	04/08/2014 0722
Carbon disulfide	2500	2200		50	86	7.6	58-122	20	04/08/2014 0722
Carbon tetrachloride	2500	2400		50	96	9.2	58-136	20	04/08/2014 0722
Chlorobenzene	2500	2300		50	92	16	59-129	20	04/08/2014 0722
Chloroethane	2500	2200		50	87	6.8	42-163	20	04/08/2014 0722
Chloroform	2500	2500		50	98	6.7	71-125	20	04/08/2014 0722
Chloromethane (Methyl chloride)	2500	1900		50	74	7.4	34-134	20	04/08/2014 0722
Cyclohexane	2500	2300		50	94	8.0	53-139	20	04/08/2014 0722
1,2-Dibromo-3-chloropropane (DBCP)	2500	2200		50	88	8.3	55-125	20	04/08/2014 0722
Dibromochloromethane	2500	2400		50	97	1.1	66-119	20	04/08/2014 0722
1,2-Dibromoethane (EDB)	2500	2500		50	98	1.5	74-124	20	04/08/2014 0722
1,4-Dichlorobenzene	2500	2100	+	50	85	28	52-133	20	04/08/2014 0722
1,3-Dichlorobenzene	2500	2100	+	50	84	26	51-134	20	04/08/2014 0722
1,2-Dichlorobenzene	2500	2200	+	50	89	21	57-131	20	04/08/2014 0722
Dichlorodifluoromethane	2500	1500		50	59	8.0	10-157	20	04/08/2014 0722
1,2-Dichloroethane	2500	2500		50	99	3.4	67-129	20	04/08/2014 0722
1,1-Dichloroethane	2500	2400		50	98	7.4	71-127	20	04/08/2014 0722
trans-1,2-Dichloroethene	2500	2400		50	94	7.9	68-131	20	04/08/2014 0722
cis-1,2-Dichloroethene	2500	2500		50	101	8.7	70-122	20	04/08/2014 0722
1,1-Dichloroethene	2500	2300		50	92	7.0	69-138	20	04/08/2014 0722
1,2-Dichloropropane	2500	2400		50	98	4.1	72-124	20	04/08/2014 0722
trans-1,3-Dichloropropene	2500	2400		50	95	3.2	70-124	20	04/08/2014 0722
cis-1,3-Dichloropropene	2500	2400		50	98	4.9	70-126	20	04/08/2014 0722
Ethylbenzene	2500	2300		50	92	19	59-128	20	04/08/2014 0722
2-Hexanone	5000	4200		50	85	14	54-137	20	04/08/2014 0722
Isopropylbenzene	2500	2400	+	50	98	28	50-136	20	04/08/2014 0722
Methyl acetate	2500	2700		50	108	1.5	59-137	20	04/08/2014 0722
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	3.7	70-130	20	04/08/2014 0722
4-Methyl-2-pentanone	5000	4400		50	88	13	60-134	20	04/08/2014 0722
Methylcyclohexane	2500	2300		50	91	8.4	41-144	20	04/08/2014 0722
Methylene chloride	2500	2400		50	94	4.6	70-130	20	04/08/2014 0722
Styrene	2500	2300		50	92	19	54-136	20	04/08/2014 0722
1,1,2,2-Tetrachloroethane	2500	2300		50	93	4.8	69-132	20	04/08/2014 0722
Tetrachloroethene	2500	2300		50	90	16	45-150	20	04/08/2014 0722
Toluene	2500	2200		50	89	11	61-129	20	04/08/2014 0722
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2500		50	101	6.3	49-136	20	04/08/2014 0722
1,2,4-Trichlorobenzene	2500	1800	+	50	73	23	34-145	20	04/08/2014 0722
1,1,2-Trichloroethane	2500	2300		50	93	0.57	55-128	20	04/08/2014 0722
1,1,1-Trichloroethane	2500	2400		50	96	9.0	63-128	20	04/08/2014 0722

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44389-003
Batch: 44389
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2400		50	94	9.4	62-126	20	04/08/2014 0722
Trichlorofluoromethane	2500	2200		50	88	6.0	45-138	20	04/08/2014 0722
Vinyl chloride	2500	2000		50	78	6.8	42-132	20	04/08/2014 0722
Xylenes (total)	5000	4600		50	92	20	58-128	20	04/08/2014 0722

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44390-001
Batch: 44390
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/09/2014 1235

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		92	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44390-002
Batch: 44390
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	48		1	96	45-150	04/09/2014 1059

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		85	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44390-003
Batch: 44390
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	50	45		1	89	7.3	45-150	20	04/09/2014 1123

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		80	53-142
Toluene-d8		95	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD02111-006MS
Batch: 44390
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	2.5	49	43		1	80	70-130	04/09/2014 2122

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		84	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD02111-006MD
Batch: 44390
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	2.5	48	40		1	77	5.5	70-130	20	04/09/2014 2146

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/09/2014 2324
Benzene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Bromoform	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/09/2014 2324
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/09/2014 2324
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloroethane	ND		1	5.0	0.50	ug/L	04/09/2014 2324
Chloroform	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Cyclohexane	ND		1	5.0	0.98	ug/L	04/09/2014 2324
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/09/2014 2324
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/09/2014 2324
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
2-Hexanone	ND		1	10	1.0	ug/L	04/09/2014 2324
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/09/2014 2324
Methyl acetate	ND		1	5.0	0.72	ug/L	04/09/2014 2324
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/09/2014 2324
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/09/2014 2324
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/09/2014 2324
Methylene chloride	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Styrene	ND		1	5.0	0.10	ug/L	04/09/2014 2324
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Toluene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/09/2014 2324
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/09/2014 2324

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	107	60-140	04/09/2014 2153
Benzene	50	51		1	103	70-130	04/09/2014 2153
Bromodichloromethane	50	50		1	100	70-130	04/09/2014 2153
Bromoform	50	39		1	79	70-130	04/09/2014 2153
Bromomethane (Methyl bromide)	50	40		1	80	60-140	04/09/2014 2153
2-Butanone (MEK)	100	94		1	94	60-140	04/09/2014 2153
Carbon disulfide	50	52		1	104	60-140	04/09/2014 2153
Carbon tetrachloride	50	49		1	99	70-130	04/09/2014 2153
Chlorobenzene	50	50		1	99	70-130	04/09/2014 2153
Chloroethane	50	42		1	84	42-163	04/09/2014 2153
Chloroform	50	50		1	100	70-130	04/09/2014 2153
Chloromethane (Methyl chloride)	50	50		1	99	60-140	04/09/2014 2153
Cyclohexane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	70-130	04/09/2014 2153
Dibromochloromethane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	04/09/2014 2153
1,4-Dichlorobenzene	50	50		1	101	70-130	04/09/2014 2153
1,3-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
1,2-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
Dichlorodifluoromethane	50	52		1	104	60-140	04/09/2014 2153
1,2-Dichloroethane	50	50		1	100	70-130	04/09/2014 2153
1,1-Dichloroethane	50	49		1	99	70-130	04/09/2014 2153
trans-1,2-Dichloroethene	50	49		1	99	70-130	04/09/2014 2153
cis-1,2-Dichloroethene	50	50		1	101	70-130	04/09/2014 2153
1,1-Dichloroethene	50	52		1	104	70-130	04/09/2014 2153
1,2-Dichloropropane	50	51		1	101	70-130	04/09/2014 2153
trans-1,3-Dichloropropene	50	51		1	102	70-130	04/09/2014 2153
cis-1,3-Dichloropropene	50	51		1	103	70-130	04/09/2014 2153
Ethylbenzene	50	50		1	100	70-130	04/09/2014 2153
2-Hexanone	100	100		1	100	60-140	04/09/2014 2153
Isopropylbenzene	50	52		1	103	70-130	04/09/2014 2153
Methyl acetate	50	52		1	104	70-130	04/09/2014 2153
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	04/09/2014 2153
4-Methyl-2-pentanone	100	99		1	99	60-140	04/09/2014 2153
Methylcyclohexane	50	52		1	103	70-130	04/09/2014 2153
Methylene chloride	50	47		1	94	70-130	04/09/2014 2153
Styrene	50	52		1	103	70-130	04/09/2014 2153
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	04/09/2014 2153
Tetrachloroethene	50	49		1	99	70-130	04/09/2014 2153
Toluene	50	50		1	100	70-130	04/09/2014 2153
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	114	70-130	04/09/2014 2153
1,2,4-Trichlorobenzene	50	54		1	108	70-130	04/09/2014 2153
1,1,2-Trichloroethane	50	49		1	97	70-130	04/09/2014 2153
1,1,1-Trichloroethane	50	49		1	98	70-130	04/09/2014 2153

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	70-130	04/09/2014 2153
Trichlorofluoromethane	50	42		1	85	70-130	04/09/2014 2153
Vinyl chloride	50	49		1	98	70-130	04/09/2014 2153
Xylenes (total)	100	100		1	102	70-130	04/09/2014 2153

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	109	1.0	60-140	20	04/09/2014 2216
Benzene	50	51		1	101	1.4	70-130	20	04/09/2014 2216
Bromodichloromethane	50	50		1	101	0.34	70-130	20	04/09/2014 2216
Bromoform	50	41		1	83	4.9	70-130	20	04/09/2014 2216
Bromomethane (Methyl bromide)	50	47		1	95	17	60-140	20	04/09/2014 2216
2-Butanone (MEK)	100	98		1	98	3.7	60-140	20	04/09/2014 2216
Carbon disulfide	50	52		1	104	0.23	60-140	20	04/09/2014 2216
Carbon tetrachloride	50	50		1	101	2.1	70-130	20	04/09/2014 2216
Chlorobenzene	50	50		1	100	0.42	70-130	20	04/09/2014 2216
Chloroethane	50	52		1	103	20	42-163	20	04/09/2014 2216
Chloroform	50	50		1	100	0.24	70-130	20	04/09/2014 2216
Chloromethane (Methyl chloride)	50	51		1	102	2.8	60-140	20	04/09/2014 2216
Cyclohexane	50	48		1	97	0.45	70-130	20	04/09/2014 2216
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	3.5	70-130	20	04/09/2014 2216
Dibromochloromethane	50	49		1	98	2.5	70-130	20	04/09/2014 2216
1,2-Dibromoethane (EDB)	50	51		1	102	1.3	70-130	20	04/09/2014 2216
1,4-Dichlorobenzene	50	50		1	100	1.2	70-130	20	04/09/2014 2216
1,3-Dichlorobenzene	50	50		1	101	1.1	70-130	20	04/09/2014 2216
1,2-Dichlorobenzene	50	50		1	100	1.8	70-130	20	04/09/2014 2216
Dichlorodifluoromethane	50	52		1	105	1.2	60-140	20	04/09/2014 2216
1,2-Dichloroethane	50	50		1	101	1.3	70-130	20	04/09/2014 2216
1,1-Dichloroethane	50	50		1	99	0.56	70-130	20	04/09/2014 2216
trans-1,2-Dichloroethene	50	50		1	99	0.87	70-130	20	04/09/2014 2216
cis-1,2-Dichloroethene	50	51		1	101	0.26	70-130	20	04/09/2014 2216
1,1-Dichloroethene	50	51		1	102	1.6	70-130	20	04/09/2014 2216
1,2-Dichloropropane	50	50		1	101	0.39	70-130	20	04/09/2014 2216
trans-1,3-Dichloropropene	50	52		1	105	2.5	70-130	20	04/09/2014 2216
cis-1,3-Dichloropropene	50	52		1	104	0.78	70-130	20	04/09/2014 2216
Ethylbenzene	50	50		1	100	0.43	70-130	20	04/09/2014 2216
2-Hexanone	100	100		1	102	1.9	60-140	20	04/09/2014 2216
Isopropylbenzene	50	50		1	100	3.1	70-130	20	04/09/2014 2216
Methyl acetate	50	54		1	109	4.6	70-130	20	04/09/2014 2216
Methyl tertiary butyl ether (MTBE)	50	49		1	99	0.84	70-130	20	04/09/2014 2216
4-Methyl-2-pentanone	100	100		1	101	1.2	60-140	20	04/09/2014 2216
Methylcyclohexane	50	51		1	101	1.7	70-130	20	04/09/2014 2216
Methylene chloride	50	47		1	94	0.23	70-130	20	04/09/2014 2216
Styrene	50	51		1	103	0.28	70-130	20	04/09/2014 2216
1,1,2,2-Tetrachloroethane	50	51		1	101	1.8	70-130	20	04/09/2014 2216
Tetrachloroethene	50	50		1	99	0.27	70-130	20	04/09/2014 2216
Toluene	50	49		1	98	2.2	70-130	20	04/09/2014 2216
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	3.6	70-130	20	04/09/2014 2216
1,2,4-Trichlorobenzene	50	53		1	106	1.1	70-130	20	04/09/2014 2216
1,1,2-Trichloroethane	50	49		1	99	1.5	70-130	20	04/09/2014 2216
1,1,1-Trichloroethane	50	50		1	100	1.9	70-130	20	04/09/2014 2216

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	99	0.014	70-130	20	04/09/2014 2216
Trichlorofluoromethane	50	46		1	91	7.5	70-130	20	04/09/2014 2216
Vinyl chloride	50	49		1	98	0.018	70-130	20	04/09/2014 2216
Xylenes (total)	100	100		1	101	0.62	70-130	20	04/09/2014 2216

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44563-001
Batch: 44563
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		50	250	25	ug/kg	04/08/2014 0808

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44563-002
Batch: 44563
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	2500	1900		50	76	45-150	04/08/2014 0659

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44563-003
Batch: 44563
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	2500	2300		50	90	16	45-150	20	04/08/2014 0722

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
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www.shealylab.com

SHEALY

Chain of Custody Record

Number 19201

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland / Ron Paulling	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-529-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 2
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Itron			Lot No.: PO2111
Project Number: 33764587.00001	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	Remarks / Cooler ID
SB-22 (27-28')	3/31/14	1515	G				✓		✓	
SB-22 (29-30')	3/31/14	1525	G				✓		✓	
SB-22A (0-1')	4/1/14	1155	G				✓		✓	
SB-23 (25-26')	3/31/14	1430	G				✓		✓	
SB-23 (29-30')	3/31/14	1440	G				✓		✓	
SB-24 (3-4')	3/31/14	1835	G				✓		✓	
SB-24 (3-4') MS	3/31/14	1840	G				✓		✓	
SB-24 (3-4') MS/MSD	3/31/14	1845	G				✓		✓	
SB-24 (24-25')	3/31/14	1855	G				✓		✓	
SB-25 (27-28')	3/31/14	1730	G				✓		✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron B. Council	4/1/14	1550	1. Received by	4/1/14	1550
2. Relinquished by	4/2/14	1480	2. Received by: CT	4/2/14	1480
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: CT	4/2/14	1637	4. Laboratory Received by: Kelly Work	4-2-14	1432

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.5 °C — Temp. Blank ☐ Y / ☐ ✗

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 19202

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Marc McFarland / Ron Paulling	

Address	Telephone No. / Fax No. / Email	Waybill No.	Page
128 Millport Cir. Ste 100	864-527-4737 aaron.council@urs.com		2 of 2

City	State	Zip Code	Project Name
Greenville	SC	29607	Itron

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Project Number	P.O Number
33764587.00001	

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	Number of Containers: 4	Bottle (See Instructions on back): A	Preservative: 1	Lot No.: PD02111	Remarks / Cooler ID
SB-25 (28-29')	3/31/14	1740	G				✓		✓					
SB-25A (0-1')	4/1/14	1405	G				✓		✓					
DUP-1	3/31/14	1745	G				✓		✓					
SB-26A (0-1')	4/1/14	1430	G				✓		✓					
SB-26 (1-2')	3/31/14	1600	G				✓		✓					
SB-26 (2-3')	3/31/14	1610	G				✓		✓					
SB-26 (3-4')	3/31/14	1620	G				✓		✓					
SB-26 (29-30')	3/31/14	1630	G				✓		✓					
SB-28 (14-15')	4/1/14	1145	G				✓		✓					
SB-28 (26-27')	4/1/14	1150	G				✓		✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): (✓) Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client (✓) Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: (✓) Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/1/14	1550	1. Received by	4/1/14	1550
2. Relinquished by	4/2/14	1450	2. Received by	4/2/14	1450
3. Relinquished by			3. Received by		
4. Relinquished by	4/2/14	1632	4. Laboratory Received by: Kelly W.	4-2-14	1632

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check): (✓) Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.5 °C — Temp. Blank ☐ Y / (✓) N

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP 1-2-14 Lot #: PD02-111

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 12.4 / 12.5 °C ___ / ___ °C ___ / ___ °C ___ / ___ °C			
Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1°C			
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☐		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____
Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____

Sample labels applied by:_____ Verified by:_____ Date:_____

Comments:
No jar for % solids used screening vial

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PD07049

Date Completed: 04/14/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PD07049

Case Narrative
URS Corporation
Lot Number: PD07049

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Holding Analysis

Per client request, sample PD07049-005 was not analyzed for 8260 VOCs or 8270 PAHs. This sample was logged in and then placed on hold.

Sample Summary
URS Corporation
Lot Number: PD07049

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-52 (6-7')	Solid	04/04/2014 1212	04/07/2014
002	SB-52 (9-10')	Solid	04/04/2014 1220	04/07/2014
003	SB-52 (18-19')	Solid	04/04/2014 1230	04/07/2014
004	SB-54 (1-2')	Solid	04/04/2014 1030	04/07/2014
005	SB-54 (14-15')	Solid	04/04/2014 1035	04/07/2014
006	SB-54 (24-25')	Solid	04/04/2014 1040	04/07/2014
007	Trip Blank 4/4/14	Aqueous	04/04/2014	04/07/2014

(7 samples)

Executive Summary

URS Corporation

Lot Number: PD07049

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-52 (6-7')	Solid	Tetrachloroethene	8260B	0.56	J	ug/kg	5
002	SB-52 (9-10')	Solid	Tetrachloroethene	8260B	0.64	J	ug/kg	8
003	SB-52 (18-19')	Solid	Tetrachloroethene	8260B	4.0	J	ug/kg	11
004	SB-54 (1-2')	Solid	Benzo(a)anthracene	8270D	52	J	ug/kg	15
004	SB-54 (1-2')	Solid	Benzo(a)pyrene	8270D	38	J	ug/kg	15
004	SB-54 (1-2')	Solid	Benzo(b)fluoranthene	8270D	75	J	ug/kg	15
004	SB-54 (1-2')	Solid	Benzo(g,h,i)perylene	8270D	46	J	ug/kg	15
004	SB-54 (1-2')	Solid	Chrysene	8270D	44	J	ug/kg	15
004	SB-54 (1-2')	Solid	Fluoranthene	8270D	94	J	ug/kg	15
004	SB-54 (1-2')	Solid	Phenanthrene	8270D	30	J	ug/kg	15
004	SB-54 (1-2')	Solid	Pyrene	8270D	63	J	ug/kg	15

(11 detections)

Client: URS Corporation
Description: SB-52 (6-7')
Date Sampled: 04/04/2014 1212
Date Received: 04/07/2014

Laboratory ID: PD07049-001
Matrix: Solid
% Solids: 77.0 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 2308	JJG		44644	5.78

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.5	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.79	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	0.76	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.85	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.76	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.46	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.56	J	5.6	0.56	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (6-7')
Date Sampled: 04/04/2014 1212
Date Received: 04/07/2014

Laboratory ID: PD07049-001
Matrix: Solid
% Solids: 77.0 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 2308	JJG		44644	5.78

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	0.71	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	0.97	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		102	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/14/2014 1240	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		420	13	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		420	17	ug/kg	2
Anthracene	120-12-7	8270D	ND		420	19	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		420	14	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		420	31	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		420	28	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		420	29	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		420	35	ug/kg	2
Chrysene	218-01-9	8270D	ND		420	13	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		420	28	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		420	13	ug/kg	2
Fluorene	86-73-7	8270D	ND		420	16	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		420	38	ug/kg	2
Naphthalene	91-20-3	8270D	ND		420	18	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		420	17	ug/kg	2
Pyrene	129-00-0	8270D	ND		420	18	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (6-7')
Date Sampled: 04/04/2014 1212
Date Received: 04/07/2014

Laboratory ID: PD07049-001
Matrix: Solid
% Solids: 77.0 04/07/2014 2059

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		76	33-102
Nitrobenzene-d5		65	22-109
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (9-10')
Date Sampled: 04/04/2014 1220
Date Received: 04/07/2014

Laboratory ID: PD07049-002
Matrix: Solid
% Solids: 81.8 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 2331	JJG		44644	5.69

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.2	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.75	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.89	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	0.72	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.91	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.78	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.98	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.73	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.88	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.64	J	5.4	0.54	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (9-10')
Date Sampled: 04/04/2014 1220
Date Received: 04/07/2014

Laboratory ID: PD07049-002
Matrix: Solid
% Solids: 81.8 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 2331	JJG		44644	5.69

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	0.68	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.91	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.85	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.4	0.92	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		107	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/14/2014 1307	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		400	12	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		400	16	ug/kg	2
Anthracene	120-12-7	8270D	ND		400	18	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		400	13	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		400	29	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	27	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	27	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	33	ug/kg	2
Chrysene	218-01-9	8270D	ND		400	13	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	27	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		400	13	ug/kg	2
Fluorene	86-73-7	8270D	ND		400	15	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	36	ug/kg	2
Naphthalene	91-20-3	8270D	ND		400	17	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		400	16	ug/kg	2
Pyrene	129-00-0	8270D	ND		400	17	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (9-10')
Date Sampled: 04/04/2014 1220
Date Received: 04/07/2014

Laboratory ID: PD07049-002
Matrix: Solid
% Solids: 81.8 04/07/2014 2059

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		79	33-102
Nitrobenzene-d5		68	22-109
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (18-19')
Date Sampled: 04/04/2014 1230
Date Received: 04/07/2014

Laboratory ID: PD07049-003
Matrix: Solid
% Solids: 67.9 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 2354	JJG		44644	4.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		31	10	ug/kg	1
Benzene	71-43-2	8260B	ND		7.8	1.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.8	2.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.8	1.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.8	2.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		16	3.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.8	2.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.8	2.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.8	2.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.8	2.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.8	1.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.8	1.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.8	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.8	2.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.8	2.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.8	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.8	2.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.8	2.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.8	2.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.8	2.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.8	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.8	1.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.8	2.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.8	1.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.8	2.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.8	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.8	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.8	1.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.8	2.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		16	2.0	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.8	0.36	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.8	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.8	0.62	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		16	2.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.8	0.64	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.8	4.1	ug/kg	1
Styrene	100-42-5	8260B	ND		7.8	1.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.8	0.73	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4.0	J	7.8	0.78	ug/kg	1
Toluene	108-88-3	8260B	ND		7.8	2.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (18-19')
Date Sampled: 04/04/2014 1230
Date Received: 04/07/2014

Laboratory ID: PD07049-003
Matrix: Solid
% Solids: 67.9 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 2354	JJG		44644	4.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.8	0.98	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.8	2.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.8	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.8	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.8	3.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.8	2.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.8	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.8	4.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		102	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/14/2014 1333	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		480	15	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		480	19	ug/kg	2
Anthracene	120-12-7	8270D	ND		480	21	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		480	16	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		480	35	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		480	33	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		480	33	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		480	40	ug/kg	2
Chrysene	218-01-9	8270D	ND		480	15	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		480	32	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		480	15	ug/kg	2
Fluorene	86-73-7	8270D	ND		480	19	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		480	44	ug/kg	2
Naphthalene	91-20-3	8270D	ND		480	20	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		480	20	ug/kg	2
Pyrene	129-00-0	8270D	ND		480	21	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-52 (18-19')
Date Sampled: 04/04/2014 1230
Date Received: 04/07/2014

Laboratory ID: PD07049-003
Matrix: Solid
% Solids: 67.9 04/07/2014 2059

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		77	33-102
Nitrobenzene-d5		67	22-109
Terphenyl-d14		83	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-54 (1-2')
Date Sampled: 04/04/2014 1030
Date Received: 04/07/2014

Laboratory ID: PD07049-004
Matrix: Solid
% Solids: 74.9 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 0017	JJG		44644	4.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		29	9.9	ug/kg	1
Benzene	71-43-2	8260B	ND		7.4	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.4	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.4	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.4	2.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.4	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.4	2.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.4	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.4	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.4	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.4	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.4	0.99	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.4	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.4	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.4	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.4	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.4	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.4	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.4	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.4	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.4	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.4	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.4	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.4	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.4	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.4	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.4	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.4	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.4	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.4	0.59	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.4	0.60	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.4	3.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.4	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.4	0.69	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.4	0.74	ug/kg	1
Toluene	108-88-3	8260B	ND		7.4	2.5	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-54 (1-2')
Date Sampled: 04/04/2014 1030
Date Received: 04/07/2014

Laboratory ID: PD07049-004
Matrix: Solid
% Solids: 74.9 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 0017	JJG		44644	4.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.4	0.93	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.4	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.4	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.4	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.4	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.4	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.4	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.4	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		104	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/14/2014 1400	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		440	13	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		440	17	ug/kg	2
Anthracene	120-12-7	8270D	ND		440	19	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	52	J	440	14	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	38	J	440	32	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	75	J	440	30	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	46	J	440	30	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		440	36	ug/kg	2
Chrysene	218-01-9	8270D	44	J	440	14	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		440	29	ug/kg	2
Fluoranthene	206-44-0	8270D	94	J	440	14	ug/kg	2
Fluorene	86-73-7	8270D	ND		440	17	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		440	40	ug/kg	2
Naphthalene	91-20-3	8270D	ND		440	18	ug/kg	2
Phenanthrene	85-01-8	8270D	30	J	440	18	ug/kg	2
Pyrene	129-00-0	8270D	63	J	440	19	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-54 (1-2')
Date Sampled: 04/04/2014 1030
Date Received: 04/07/2014

Laboratory ID: PD07049-004
Matrix: Solid
% Solids: 74.9 04/07/2014 2059

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		79	33-102
Nitrobenzene-d5		67	22-109
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-54 (24-25')
Date Sampled: 04/04/2014 1040
Date Received: 04/07/2014

Laboratory ID: PD07049-006
Matrix: Solid
% Solids: 83.0 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 0040	JJG		44644	5.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.72	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.75	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.78	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.94	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.70	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-54 (24-25')
Date Sampled: 04/04/2014 1040
Date Received: 04/07/2014

Laboratory ID: PD07049-006
Matrix: Solid
% Solids: 83.0 04/07/2014 2059

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 0040	JJG		44644	5.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.89	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/14/2014 1454	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	2
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		390	28	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	26	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	2
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	2
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	2
Naphthalene	91-20-3	8270D	ND		390	16	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	2
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-54 (24-25')
Date Sampled: 04/04/2014 1040
Date Received: 04/07/2014

Laboratory ID: PD07049-006
Matrix: Solid
% Solids: 83.0 04/07/2014 2059

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		77	33-102
Nitrobenzene-d5		67	22-109
Terphenyl-d14		83	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 4/4/14
Date Sampled: 04/04/2014
Date Received: 04/07/2014

Laboratory ID: PD07049-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/08/2014 1036	JHD		44551

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 4/4/14
Date Sampled: 04/04/2014
Date Received: 04/07/2014

Laboratory ID: PD07049-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/08/2014 1036	JHD		44551

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44551-001
Batch: 44551
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/08/2014 1014
Benzene	ND		1	5.0	0.20	ug/L	04/08/2014 1014
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/08/2014 1014
Bromoform	ND		1	5.0	0.40	ug/L	04/08/2014 1014
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/08/2014 1014
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/08/2014 1014
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/08/2014 1014
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/08/2014 1014
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
Chloroethane	ND		1	5.0	0.50	ug/L	04/08/2014 1014
Chloroform	ND		1	5.0	1.7	ug/L	04/08/2014 1014
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/08/2014 1014
Cyclohexane	ND		1	5.0	0.98	ug/L	04/08/2014 1014
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/08/2014 1014
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/08/2014 1014
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/08/2014 1014
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/08/2014 1014
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/08/2014 1014
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/08/2014 1014
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/08/2014 1014
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/08/2014 1014
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/08/2014 1014
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/08/2014 1014
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/08/2014 1014
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/08/2014 1014
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
2-Hexanone	ND		1	10	1.0	ug/L	04/08/2014 1014
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/08/2014 1014
Methyl acetate	ND		1	5.0	0.72	ug/L	04/08/2014 1014
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/08/2014 1014
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/08/2014 1014
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/08/2014 1014
Methylene chloride	ND		1	5.0	1.7	ug/L	04/08/2014 1014
Styrene	ND		1	5.0	0.10	ug/L	04/08/2014 1014
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/08/2014 1014
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/08/2014 1014
Toluene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/08/2014 1014
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/08/2014 1014
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/08/2014 1014
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/08/2014 1014

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44551-001
Batch: 44551
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/08/2014 1014
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/08/2014 1014
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/08/2014 1014
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/08/2014 1014

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44551-002
Batch: 44551
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	101	60-140	04/08/2014 0845
Benzene	50	49		1	97	70-130	04/08/2014 0845
Bromodichloromethane	50	49		1	98	70-130	04/08/2014 0845
Bromoform	50	43		1	86	70-130	04/08/2014 0845
Bromomethane (Methyl bromide)	50	47		1	94	60-140	04/08/2014 0845
2-Butanone (MEK)	100	91		1	91	60-140	04/08/2014 0845
Carbon disulfide	50	49		1	97	60-140	04/08/2014 0845
Carbon tetrachloride	50	49		1	97	70-130	04/08/2014 0845
Chlorobenzene	50	48		1	95	70-130	04/08/2014 0845
Chloroethane	50	50		1	100	42-163	04/08/2014 0845
Chloroform	50	48		1	97	70-130	04/08/2014 0845
Chloromethane (Methyl chloride)	50	49		1	98	60-140	04/08/2014 0845
Cyclohexane	50	49		1	98	70-130	04/08/2014 0845
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	04/08/2014 0845
Dibromochloromethane	50	50		1	99	70-130	04/08/2014 0845
1,2-Dibromoethane (EDB)	50	50		1	99	70-130	04/08/2014 0845
1,4-Dichlorobenzene	50	49		1	97	70-130	04/08/2014 0845
1,3-Dichlorobenzene	50	49		1	97	70-130	04/08/2014 0845
1,2-Dichlorobenzene	50	49		1	98	70-130	04/08/2014 0845
Dichlorodifluoromethane	50	50		1	101	60-140	04/08/2014 0845
1,2-Dichloroethane	50	49		1	99	70-130	04/08/2014 0845
1,1-Dichloroethane	50	48		1	95	70-130	04/08/2014 0845
trans-1,2-Dichloroethene	50	48		1	95	70-130	04/08/2014 0845
cis-1,2-Dichloroethene	50	48		1	97	70-130	04/08/2014 0845
1,1-Dichloroethene	50	49		1	98	70-130	04/08/2014 0845
1,2-Dichloropropane	50	48		1	96	70-130	04/08/2014 0845
trans-1,3-Dichloropropene	50	51		1	103	70-130	04/08/2014 0845
cis-1,3-Dichloropropene	50	50		1	101	70-130	04/08/2014 0845
Ethylbenzene	50	49		1	98	70-130	04/08/2014 0845
2-Hexanone	100	97		1	97	60-140	04/08/2014 0845
Isopropylbenzene	50	49		1	99	70-130	04/08/2014 0845
Methyl acetate	50	51		1	102	70-130	04/08/2014 0845
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	04/08/2014 0845
4-Methyl-2-pentanone	100	96		1	96	60-140	04/08/2014 0845
Methylcyclohexane	50	48		1	97	70-130	04/08/2014 0845
Methylene chloride	50	45		1	90	70-130	04/08/2014 0845
Styrene	50	50		1	100	70-130	04/08/2014 0845
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	04/08/2014 0845
Tetrachloroethene	50	48		1	96	70-130	04/08/2014 0845
Toluene	50	47		1	94	70-130	04/08/2014 0845
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	70-130	04/08/2014 0845
1,2,4-Trichlorobenzene	50	49		1	98	70-130	04/08/2014 0845
1,1,2-Trichloroethane	50	48		1	95	70-130	04/08/2014 0845
1,1,1-Trichloroethane	50	47		1	94	70-130	04/08/2014 0845

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44551-002
Batch: 44551
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	94	70-130	04/08/2014 0845
Trichlorofluoromethane	50	44		1	88	70-130	04/08/2014 0845
Vinyl chloride	50	47		1	94	70-130	04/08/2014 0845
Xylenes (total)	100	98		1	98	70-130	04/08/2014 0845

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44551-003
Batch: 44551
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	79	+	1	79	25	60-140	20	04/08/2014 0907
Benzene	50	51		1	101	3.7	70-130	20	04/08/2014 0907
Bromodichloromethane	50	51		1	101	2.8	70-130	20	04/08/2014 0907
Bromoform	50	43		1	87	1.1	70-130	20	04/08/2014 0907
Bromomethane (Methyl bromide)	50	47		1	95	0.90	60-140	20	04/08/2014 0907
2-Butanone (MEK)	100	87		1	87	4.9	60-140	20	04/08/2014 0907
Carbon disulfide	50	50		1	100	3.1	60-140	20	04/08/2014 0907
Carbon tetrachloride	50	50		1	101	3.8	70-130	20	04/08/2014 0907
Chlorobenzene	50	50		1	101	5.8	70-130	20	04/08/2014 0907
Chloroethane	50	52		1	104	4.0	42-163	20	04/08/2014 0907
Chloroform	50	49		1	99	2.1	70-130	20	04/08/2014 0907
Chloromethane (Methyl chloride)	50	49		1	98	0.33	60-140	20	04/08/2014 0907
Cyclohexane	50	52		1	104	6.3	70-130	20	04/08/2014 0907
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	93	1.9	70-130	20	04/08/2014 0907
Dibromochloromethane	50	51		1	102	2.7	70-130	20	04/08/2014 0907
1,2-Dibromoethane (EDB)	50	51		1	101	1.8	70-130	20	04/08/2014 0907
1,4-Dichlorobenzene	50	50		1	100	2.4	70-130	20	04/08/2014 0907
1,3-Dichlorobenzene	50	50		1	100	2.9	70-130	20	04/08/2014 0907
1,2-Dichlorobenzene	50	49		1	98	0.92	70-130	20	04/08/2014 0907
Dichlorodifluoromethane	50	52		1	103	2.5	60-140	20	04/08/2014 0907
1,2-Dichloroethane	50	49		1	99	0.21	70-130	20	04/08/2014 0907
1,1-Dichloroethane	50	49		1	98	2.9	70-130	20	04/08/2014 0907
trans-1,2-Dichloroethene	50	49		1	98	3.4	70-130	20	04/08/2014 0907
cis-1,2-Dichloroethene	50	49		1	99	1.9	70-130	20	04/08/2014 0907
1,1-Dichloroethene	50	51		1	101	3.3	70-130	20	04/08/2014 0907
1,2-Dichloropropane	50	50		1	100	3.7	70-130	20	04/08/2014 0907
trans-1,3-Dichloropropene	50	53		1	106	3.6	70-130	20	04/08/2014 0907
cis-1,3-Dichloropropene	50	52		1	103	2.7	70-130	20	04/08/2014 0907
Ethylbenzene	50	51		1	102	4.0	70-130	20	04/08/2014 0907
2-Hexanone	100	99		1	99	2.9	60-140	20	04/08/2014 0907
Isopropylbenzene	50	51		1	102	3.7	70-130	20	04/08/2014 0907
Methyl acetate	50	44		1	88	16	70-130	20	04/08/2014 0907
Methyl tertiary butyl ether (MTBE)	50	48		1	95	2.7	70-130	20	04/08/2014 0907
4-Methyl-2-pentanone	100	95		1	95	1.5	60-140	20	04/08/2014 0907
Methylcyclohexane	50	51		1	103	6.2	70-130	20	04/08/2014 0907
Methylene chloride	50	46		1	92	1.6	70-130	20	04/08/2014 0907
Styrene	50	52		1	104	4.8	70-130	20	04/08/2014 0907
1,1,2,2-Tetrachloroethane	50	50		1	101	0.46	70-130	20	04/08/2014 0907
Tetrachloroethene	50	50		1	101	5.4	70-130	20	04/08/2014 0907
Toluene	50	50		1	99	4.9	70-130	20	04/08/2014 0907
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	117	4.1	70-130	20	04/08/2014 0907
1,2,4-Trichlorobenzene	50	52		1	103	5.5	70-130	20	04/08/2014 0907
1,1,2-Trichloroethane	50	49		1	98	3.0	70-130	20	04/08/2014 0907
1,1,1-Trichloroethane	50	50		1	100	5.5	70-130	20	04/08/2014 0907

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44551-003
Batch: 44551
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	99	4.9	70-130	20	04/08/2014 0907
Trichlorofluoromethane	50	46		1	92	3.8	70-130	20	04/08/2014 0907
Vinyl chloride	50	49		1	97	2.9	70-130	20	04/08/2014 0907
Xylenes (total)	100	100		1	103	4.8	70-130	20	04/08/2014 0907

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44644-001
Batch: 44644
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/11/2014 2148
Benzene	ND		1	5.0	1.1	ug/kg	04/11/2014 2148
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
Bromoform	ND		1	5.0	0.70	ug/kg	04/11/2014 2148
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/11/2014 2148
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/11/2014 2148
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/11/2014 2148
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/11/2014 2148
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
Chloroethane	ND		1	5.0	1.3	ug/kg	04/11/2014 2148
Chloroform	ND		1	5.0	0.83	ug/kg	04/11/2014 2148
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/11/2014 2148
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/11/2014 2148
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/11/2014 2148
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/11/2014 2148
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/11/2014 2148
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/11/2014 2148
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/11/2014 2148
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/11/2014 2148
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/11/2014 2148
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/11/2014 2148
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/11/2014 2148
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/11/2014 2148
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
2-Hexanone	ND		1	10	1.3	ug/kg	04/11/2014 2148
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/11/2014 2148
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/11/2014 2148
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/11/2014 2148
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/11/2014 2148
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/11/2014 2148
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/11/2014 2148
Styrene	ND		1	5.0	1.1	ug/kg	04/11/2014 2148
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/11/2014 2148
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/11/2014 2148
Toluene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/11/2014 2148
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 2148
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/11/2014 2148
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/11/2014 2148

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44644-001
Batch: 44644
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/11/2014 2148
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/11/2014 2148
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/11/2014 2148
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/11/2014 2148

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44644-002
Batch: 44644
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	76		1	76	60-140	04/11/2014 1953
Benzene	50	43		1	86	69-123	04/11/2014 1953
Bromodichloromethane	50	42		1	84	69-121	04/11/2014 1953
Bromoform	50	42		1	83	61-119	04/11/2014 1953
Bromomethane (Methyl bromide)	50	43		1	86	10-168	04/11/2014 1953
2-Butanone (MEK)	100	87		1	87	57-148	04/11/2014 1953
Carbon disulfide	50	41		1	82	58-122	04/11/2014 1953
Carbon tetrachloride	50	43		1	86	58-136	04/11/2014 1953
Chlorobenzene	50	40		1	81	59-129	04/11/2014 1953
Chloroethane	50	44		1	88	42-163	04/11/2014 1953
Chloroform	50	42		1	84	71-125	04/11/2014 1953
Chloromethane (Methyl chloride)	50	42		1	84	34-134	04/11/2014 1953
Cyclohexane	50	41		1	82	53-139	04/11/2014 1953
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	55-125	04/11/2014 1953
Dibromochloromethane	50	42		1	83	66-119	04/11/2014 1953
1,2-Dibromoethane (EDB)	50	43		1	85	74-124	04/11/2014 1953
1,4-Dichlorobenzene	50	39		1	78	52-133	04/11/2014 1953
1,2-Dichlorobenzene	50	40		1	81	57-131	04/11/2014 1953
1,3-Dichlorobenzene	50	40		1	81	51-134	04/11/2014 1953
Dichlorodifluoromethane	50	44		1	87	10-157	04/11/2014 1953
1,2-Dichloroethane	50	43		1	86	67-129	04/11/2014 1953
1,1-Dichloroethane	50	42		1	84	71-127	04/11/2014 1953
trans-1,2-Dichloroethene	50	42		1	84	68-131	04/11/2014 1953
cis-1,2-Dichloroethene	50	42		1	83	70-122	04/11/2014 1953
1,1-Dichloroethene	50	42		1	85	69-138	04/11/2014 1953
1,2-Dichloropropane	50	42		1	83	72-124	04/11/2014 1953
trans-1,3-Dichloropropene	50	42		1	83	70-124	04/11/2014 1953
cis-1,3-Dichloropropene	50	44		1	87	70-126	04/11/2014 1953
Ethylbenzene	50	42		1	84	59-128	04/11/2014 1953
2-Hexanone	100	87		1	87	54-137	04/11/2014 1953
Isopropylbenzene	50	41		1	83	50-136	04/11/2014 1953
Methyl acetate	50	47		1	94	59-137	04/11/2014 1953
Methyl tertiary butyl ether (MTBE)	50	42		1	84	70-130	04/11/2014 1953
4-Methyl-2-pentanone	100	90		1	90	60-134	04/11/2014 1953
Methylcyclohexane	50	42		1	85	41-144	04/11/2014 1953
Methylene chloride	50	40		1	81	70-130	04/11/2014 1953
Styrene	50	42		1	83	54-136	04/11/2014 1953
1,1,2,2-Tetrachloroethane	50	41		1	82	69-132	04/11/2014 1953
Tetrachloroethene	50	40		1	80	45-150	04/11/2014 1953
Toluene	50	41		1	83	61-129	04/11/2014 1953
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	49-136	04/11/2014 1953
1,2,4-Trichlorobenzene	50	43		1	85	34-145	04/11/2014 1953
1,1,1-Trichloroethane	50	43		1	86	63-128	04/11/2014 1953
1,1,2-Trichloroethane	50	40		1	81	55-128	04/11/2014 1953

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44644-002
Batch: 44644
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	42		1	84	62-126	04/11/2014 1953
Trichlorofluoromethane	50	42		1	85	45-138	04/11/2014 1953
Vinyl chloride	50	42		1	85	42-132	04/11/2014 1953
Xylenes (total)	100	83		1	83	58-128	04/11/2014 1953

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		110	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44644-003
Batch: 44644
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	77		1	77	1.8	60-140	20	04/11/2014 2016
Benzene	50	40		1	80	6.9	69-123	20	04/11/2014 2016
Bromodichloromethane	50	40		1	79	5.2	69-121	20	04/11/2014 2016
Bromoform	50	42		1	83	0.52	61-119	20	04/11/2014 2016
Bromomethane (Methyl bromide)	50	41		1	82	4.6	10-168	20	04/11/2014 2016
2-Butanone (MEK)	100	88		1	88	2.2	57-148	20	04/11/2014 2016
Carbon disulfide	50	39		1	79	4.5	58-122	20	04/11/2014 2016
Carbon tetrachloride	50	40		1	80	6.8	58-136	20	04/11/2014 2016
Chlorobenzene	50	39		1	77	4.7	59-129	20	04/11/2014 2016
Chloroethane	50	41		1	83	6.5	42-163	20	04/11/2014 2016
Chloroform	50	40		1	81	4.2	71-125	20	04/11/2014 2016
Chloromethane (Methyl chloride)	50	40		1	79	6.2	34-134	20	04/11/2014 2016
Cyclohexane	50	39		1	77	5.5	53-139	20	04/11/2014 2016
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	94	9.2	55-125	20	04/11/2014 2016
Dibromochloromethane	50	40		1	80	3.3	66-119	20	04/11/2014 2016
1,2-Dibromoethane (EDB)	50	43		1	86	1.0	74-124	20	04/11/2014 2016
1,4-Dichlorobenzene	50	41		1	81	4.3	52-133	20	04/11/2014 2016
1,2-Dichlorobenzene	50	42		1	84	4.5	57-131	20	04/11/2014 2016
1,3-Dichlorobenzene	50	40		1	80	1.3	51-134	20	04/11/2014 2016
Dichlorodifluoromethane	50	41		1	83	5.4	10-157	20	04/11/2014 2016
1,2-Dichloroethane	50	42		1	84	1.8	67-129	20	04/11/2014 2016
1,1-Dichloroethane	50	40		1	81	4.5	71-127	20	04/11/2014 2016
trans-1,2-Dichloroethene	50	41		1	81	3.9	68-131	20	04/11/2014 2016
cis-1,2-Dichloroethene	50	41		1	81	2.6	70-122	20	04/11/2014 2016
1,1-Dichloroethene	50	42		1	83	1.7	69-138	20	04/11/2014 2016
1,2-Dichloropropane	50	41		1	81	2.7	72-124	20	04/11/2014 2016
trans-1,3-Dichloropropene	50	42		1	83	0.15	70-124	20	04/11/2014 2016
cis-1,3-Dichloropropene	50	41		1	81	7.0	70-126	20	04/11/2014 2016
Ethylbenzene	50	40		1	80	4.1	59-128	20	04/11/2014 2016
2-Hexanone	100	92		1	92	6.2	54-137	20	04/11/2014 2016
Isopropylbenzene	50	40		1	81	2.1	50-136	20	04/11/2014 2016
Methyl acetate	50	50		1	100	5.7	59-137	20	04/11/2014 2016
Methyl tertiary butyl ether (MTBE)	50	43		1	85	2.1	70-130	20	04/11/2014 2016
4-Methyl-2-pentanone	100	95		1	95	5.3	60-134	20	04/11/2014 2016
Methylcyclohexane	50	39		1	79	7.5	41-144	20	04/11/2014 2016
Methylene chloride	50	40		1	80	0.44	70-130	20	04/11/2014 2016
Styrene	50	41		1	83	0.98	54-136	20	04/11/2014 2016
1,1,2,2-Tetrachloroethane	50	44		1	88	7.3	69-132	20	04/11/2014 2016
Tetrachloroethene	50	38		1	77	4.1	45-150	20	04/11/2014 2016
Toluene	50	39		1	78	5.5	61-129	20	04/11/2014 2016
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	93	7.0	49-136	20	04/11/2014 2016
1,2,4-Trichlorobenzene	50	43		1	85	0.22	34-145	20	04/11/2014 2016
1,1,1-Trichloroethane	50	40		1	81	5.6	63-128	20	04/11/2014 2016
1,1,2-Trichloroethane	50	39		1	79	2.2	55-128	20	04/11/2014 2016

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44644-003
Batch: 44644
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	40		1	79	5.5	62-126	20	04/11/2014 2016
Trichlorofluoromethane	50	41		1	81	4.2	45-138	20	04/11/2014 2016
Vinyl chloride	50	40		1	79	6.4	42-132	20	04/11/2014 2016
Xylenes (total)	100	82		1	82	1.1	58-128	20	04/11/2014 2016

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ44487-001
Batch: 44487
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/10/2014 1528

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	04/11/2014 1009
Acenaphthylene	ND		1	330	13	ug/kg	04/11/2014 1009
Anthracene	ND		1	330	15	ug/kg	04/11/2014 1009
Benzo(a)anthracene	ND		1	330	11	ug/kg	04/11/2014 1009
Benzo(a)pyrene	ND		1	330	24	ug/kg	04/11/2014 1009
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	04/11/2014 1009
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	04/11/2014 1009
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	04/11/2014 1009
Chrysene	ND		1	330	10	ug/kg	04/11/2014 1009
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	04/11/2014 1009
Fluoranthene	ND		1	330	10	ug/kg	04/11/2014 1009
Fluorene	ND		1	330	13	ug/kg	04/11/2014 1009
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	04/11/2014 1009
Naphthalene	ND		1	330	14	ug/kg	04/11/2014 1009
Phenanthrene	ND		1	330	13	ug/kg	04/11/2014 1009
Pyrene	ND		1	330	14	ug/kg	04/11/2014 1009

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		91	33-102
Nitrobenzene-d5		83	22-109
Terphenyl-d14		94	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44487-002
Batch: 44487
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/10/2014 1528

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2900		1	87	46-114	04/11/2014 1035
Acenaphthylene	3300	3500		1	105	44-122	04/11/2014 1035
Anthracene	3300	3000		1	91	50-119	04/11/2014 1035
Benzo(a)anthracene	3300	2900		1	87	47-121	04/11/2014 1035
Benzo(a)pyrene	3300	3100		1	93	55-134	04/11/2014 1035
Benzo(b)fluoranthene	3300	3100		1	93	28-139	04/11/2014 1035
Benzo(g,h,i)perylene	3300	2800		1	84	36-125	04/11/2014 1035
Benzo(k)fluoranthene	3300	3100		1	93	47-130	04/11/2014 1035
Chrysene	3300	2800		1	85	45-126	04/11/2014 1035
Dibenzo(a,h)anthracene	3300	3000		1	89	45-122	04/11/2014 1035
Fluoranthene	3300	3000		1	89	50-123	04/11/2014 1035
Fluorene	3300	2900		1	86	48-117	04/11/2014 1035
Indeno(1,2,3-c,d)pyrene	3300	3000		1	89	45-123	04/11/2014 1035
Naphthalene	3300	2700		1	82	36-110	04/11/2014 1035
Phenanthrene	3300	2900		1	88	49-117	04/11/2014 1035
Pyrene	3300	2900		1	86	47-119	04/11/2014 1035

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		85	33-102
Nitrobenzene-d5		84	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
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SHEALY

Chain of Custody Record

Number 31067

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Mara McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 1
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCl; 3. H2SO4 6. Na Tho.		Number of Containers: 4 1 1
Project Name: Itron			Bottle (See Instructions on back): A M L
			Preservative: 1 1 1
Project Number: 33764587.00001	P.O Number		Lot No.: PD07049

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270D PAHs	% solids	Remarks / Cooler ID
SB-52 (6-7')	4/4/14	1212	G				✓		✓	✓	✓	
SB-52 (9-10')		1220					✓		✓	✓	✓	
SB-52 (18-19')		1230					✓		✓	✓	✓	
SB-54 (1-2')		1030					✓		✓	✓	✓	
SB-54 (14-15')		1035					✓		✓	✓	✓	HOLD
SB-54 (24-25)	↓	1040	↓				✓		✓	✓	✓	
Trip Blank 4/4/14									✓			

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

1. Relinquished by / Sampler: Aaron D. Council	Date: 4/7/14	Time: 1430	1. Received by:	Date: 4/7/14	Time: 1430
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date: 4/7/14	Time: 1620	4. Laboratory Received by	Date: 4/7/14	Time: 1620

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.0 °C — Temp. Blank ☐ Y / ☐ N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Corp Cooler Inspected by/date: ECC 4/7/14 Lot #: PD070749

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
10.9 / 10.9 °C ___ / ___ °C ___ / ___ °C ___ / ___ °C

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor +0.1 °C

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☐	No ☑		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☐		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____were received with bubbles >6 mm in diameter.

Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____

Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____

Sample labels applied by: _____ Verified by: _____ Date: 4/7/14

Comments:

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PD05008

Date Completed: 04/15/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P D 0 5 0 0 8 *

Case Narrative
URS Corporation
Lot Number: PD05008

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receiving

A Trip Blank was received but was not listed on the COC. Per client request, the Trip Blank was logged in as sample -021 and analyzed for 8260 VOCs.

No times were listed on the COC for samples -014 and -015. The times were taken from the associated bottles and accuracy confirmed with client.

VOCs by GC/MS

Due to large detection of target compounds, samples -001, -002, and -003 were diluted 2000X or greater. These large dilutions caused multiple surrogates to recover outside of method criteria. No corrective action was required as it is known that dilutions of 5X and greater may impact surrogate recoveries.

Due to matrix interferences, the MS/MSD associated with sample -018 recovered multiple compounds outside of method criteria. The LCS/LCSD associated with this batch recovered all compounds within method criteria. In addition, the MS/MSD had similar recoveries further indicating matrix interferences are impacting recoveries.

SVOCs by GC/MS

Due to matrix interferences, sample -008 was analyzed at a 10X dilution. There was only one "J" value detection at this dilution. In additon, matrix interferences caused one surrogate to recover outside of method criteria.

Sample Summary
URS Corporation
Lot Number: PD05008

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-46(3-4')	Solid	04/03/2014 1345	04/04/2014
002	SB-46(15-16')	Solid	04/03/2014 1355	04/04/2014
003	SB-46(25-26')	Solid	04/03/2014 1405	04/04/2014
004	SB-47(0-1')	Solid	04/03/2014 1455	04/04/2014
005	SB-47(6-7')	Solid	04/03/2014 1505	04/04/2014
006	SB-47(24-25')	Solid	04/03/2014 1515	04/04/2014
007	SB-48(2-3')	Solid	04/03/2014 1535	04/04/2014
008	SB-48(14-15')	Solid	04/03/2014 1545	04/04/2014
009	SB-48(25-26')	Solid	04/03/2014 1555	04/04/2014
010	SB-49(3-4')	Solid	04/03/2014 1620	04/04/2014
011	SB-49(12-13')	Solid	04/03/2014 1630	04/04/2014
012	SB-49(23-24')	Solid	04/03/2014 1640	04/04/2014
013	SB-51(2-3')	Solid	04/03/2014 1700	04/04/2014
014	SB-51(9-10')	Solid	04/03/2014 1710	04/04/2014
015	SB-51(23-24')	Solid	04/03/2014 1720	04/04/2014
016	SB-53(1-2')	Solid	04/02/2014 1630	04/04/2014
017	SB-53(24-25')	Solid	04/02/2014 1640	04/04/2014
018	SB-55(11-12')	Solid	04/04/2014 0925	04/04/2014
019	SB-55(24-25')	Solid	04/04/2014 0935	04/04/2014
020	DUP-4	Solid	04/04/2014 0940	04/04/2014
021	Trip Blank	Aqueous	04/04/2014	04/08/2014

(21 samples)

Executive Summary
URS Corporation
Lot Number: PD05008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-46(3-4')	Solid	Tetrachloroethene	8260B	330000		ug/kg	6
001	SB-46(3-4')	Solid	Trichloroethene	8260B	280	J	ug/kg	7
001	SB-46(3-4')	Solid	Naphthalene	8270D	38	J	ug/kg	7
001	SB-46(3-4')	Solid	Phenanthrene	8270D	57	J	ug/kg	7
002	SB-46(15-16')	Solid	Tetrachloroethene	8260B	1700000		ug/kg	9
002	SB-46(15-16')	Solid	Naphthalene	8270D	4400		ug/kg	10
002	SB-46(15-16')	Solid	Phenanthrene	8270D	9600		ug/kg	10
003	SB-46(25-26')	Solid	Methylcyclohexane	8260B	410	J	ug/kg	12
003	SB-46(25-26')	Solid	Tetrachloroethene	8260B	2900000		ug/kg	12
003	SB-46(25-26')	Solid	Toluene	8260B	1100	J	ug/kg	13
003	SB-46(25-26')	Solid	Xylenes (total)	8260B	2300	J	ug/kg	13
003	SB-46(25-26')	Solid	Naphthalene	8270D	2000	J	ug/kg	13
003	SB-46(25-26')	Solid	Phenanthrene	8270D	4700		ug/kg	13
004	SB-47(0-1')	Solid	Tetrachloroethene	8260B	74		ug/kg	15
005	SB-47(6-7')	Solid	Tetrachloroethene	8260B	4.0	J	ug/kg	18
006	SB-47(24-25')	Solid	Tetrachloroethene	8260B	360		ug/kg	21
006	SB-47(24-25')	Solid	Phenanthrene	8270D	89	J	ug/kg	22
006	SB-47(24-25')	Solid	Pyrene	8270D	35	J	ug/kg	22
007	SB-48(2-3')	Solid	Methyl acetate	8260B	360		ug/kg	24
007	SB-48(2-3')	Solid	Tetrachloroethene	8260B	18000		ug/kg	24
007	SB-48(2-3')	Solid	Trichloroethene	8260B	710		ug/kg	25
007	SB-48(2-3')	Solid	Phenanthrene	8270D	18	J	ug/kg	25
008	SB-48(14-15')	Solid	Tetrachloroethene	8260B	2700		ug/kg	27
008	SB-48(14-15')	Solid	Phenanthrene	8270D	750	J	ug/kg	28
009	SB-48(25-26')	Solid	Tetrachloroethene	8260B	53		ug/kg	30
009	SB-48(25-26')	Solid	Phenanthrene	8270D	180	J	ug/kg	31
010	SB-49(3-4')	Solid	cis-1,2-Dichloroethene	8260B	540		ug/kg	33
010	SB-49(3-4')	Solid	Tetrachloroethene	8260B	8000		ug/kg	33
010	SB-49(3-4')	Solid	Trichloroethene	8260B	190	J	ug/kg	34
011	SB-49(12-13')	Solid	Tetrachloroethene	8260B	94		ug/kg	36
012	SB-49(23-24')	Solid	Acetone	8260B	24		ug/kg	39
012	SB-49(23-24')	Solid	Tetrachloroethene	8260B	450		ug/kg	39
012	SB-49(23-24')	Solid	Phenanthrene	8270D	310	J	ug/kg	40
013	SB-51(2-3')	Solid	Tetrachloroethene	8260B	180		ug/kg	42
014	SB-51(9-10')	Solid	Tetrachloroethene	8260B	100		ug/kg	45
015	SB-51(23-24')	Solid	Tetrachloroethene	8260B	160		ug/kg	48
016	SB-53(1-2')	Solid	Tetrachloroethene	8260B	14		ug/kg	51
017	SB-53(24-25')	Solid	Tetrachloroethene	8260B	99		ug/kg	54
018	SB-55(11-12')	Solid	Tetrachloroethene	8260B	0.80	J	ug/kg	57
019	SB-55(24-25')	Solid	Ethylbenzene	8260B	290		ug/kg	60
019	SB-55(24-25')	Solid	Isopropylbenzene	8260B	1500		ug/kg	60
019	SB-55(24-25')	Solid	Methylcyclohexane	8260B	1100		ug/kg	60
019	SB-55(24-25')	Solid	Tetrachloroethene	8260B	51	J	ug/kg	60
019	SB-55(24-25')	Solid	Xylenes (total)	8260B	3900		ug/kg	61
019	SB-55(24-25')	Solid	Acenaphthene	8270D	1900		ug/kg	61

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
019	SB-55(24-25')	Solid	Naphthalene	8270D	3900		ug/kg	61
019	SB-55(24-25')	Solid	Phenanthrene	8270D	9700		ug/kg	61
019	SB-55(24-25')	Solid	Pyrene	8270D	630	J	ug/kg	61
020	DUP-4	Solid	Isopropylbenzene	8260B	750		ug/kg	63
020	DUP-4	Solid	Methylcyclohexane	8260B	620		ug/kg	63
020	DUP-4	Solid	Tetrachloroethene	8260B	38	J	ug/kg	63
020	DUP-4	Solid	Xylenes (total)	8260B	1400		ug/kg	64
020	DUP-4	Solid	Acenaphthene	8270D	1900		ug/kg	64
020	DUP-4	Solid	Naphthalene	8270D	3600		ug/kg	64
020	DUP-4	Solid	Phenanthrene	8270D	9900		ug/kg	64
020	DUP-4	Solid	Pyrene	8270D	650	J	ug/kg	64

(56 detections)

Client: URS Corporation
Description: SB-46(3-4')
Date Sampled: 04/03/2014 1345
Date Received: 04/04/2014

Laboratory ID: PD05008-001
Matrix: Solid
% Solids: 77.2 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/11/2014 0658	JJG		44550	5.05
2	5035	8260B	2000	04/14/2014 1403	AAC		44762	5.05

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	430	ug/kg	1
Benzene	71-43-2	8260B	ND		320	71	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	1
Bromoform	75-25-2	8260B	ND		320	45	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	120	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		640	150	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		320	83	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		320	120	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	1
Chloroethane	75-00-3	8260B	ND		320	83	ug/kg	1
Chloroform	67-66-3	8260B	ND		320	53	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	64	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		320	43	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	96	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	54	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		320	47	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		320	64	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		320	49	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	96	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		320	58	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	44	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	53	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		320	110	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		640	83	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		320	15	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		320	63	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	26	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		640	96	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		320	26	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		320	170	ug/kg	1
Styrene	100-42-5	8260B	ND		320	71	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	1
Tetrachloroethene	127-18-4	8260B	330000		13000	1300	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(3-4')
Date Sampled: 04/03/2014 1345
Date Received: 04/04/2014

Laboratory ID: PD05008-001
Matrix: Solid
% Solids: 77.2 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/11/2014 0658	JJG		44550	5.05
2	5035	8260B	2000	04/14/2014 1403	AAC		44762	5.05

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		320	110	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	40	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	54	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	51	ug/kg	1
Trichloroethene	79-01-6	8260B	280	J	320	120	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		320	96	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		320	55	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		320	190	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		83	53-142	N	0.00	53-142
Bromofluorobenzene		78	47-138	N	148	47-138
Toluene-d8		78	68-124	N	143	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/08/2014 2242	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		430	13	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		430	17	ug/kg	1
Anthracene	120-12-7	8270D	ND		430	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		430	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		430	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		430	29	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		430	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		430	35	ug/kg	1
Chrysene	218-01-9	8270D	ND		430	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		430	28	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		430	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		430	16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		430	38	ug/kg	1
Naphthalene	91-20-3	8270D	38	J	430	18	ug/kg	1
Phenanthrene	85-01-8	8270D	57	J	430	17	ug/kg	1
Pyrene	129-00-0	8270D	ND		430	18	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(3-4')
Date Sampled: 04/03/2014 1345
Date Received: 04/04/2014

Laboratory ID: PD05008-001
Matrix: Solid
% Solids: 77.2 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		97	33-102
Nitrobenzene-d5		74	22-109
Terphenyl-d14		111	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(15-16')
Date Sampled: 04/03/2014 1355
Date Received: 04/04/2014

Laboratory ID: PD05008-002
Matrix: Solid
% Solids: 79.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	500	04/11/2014 0746	JJG		44550	4.35
2	5035	8260B	10000	04/14/2014 1515	AAC		44762	4.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		14000	4800	ug/kg	1
Benzene	71-43-2	8260B	ND		3600	790	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3600	1200	ug/kg	1
Bromoform	75-25-2	8260B	ND		3600	510	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3600	1300	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		7200	1700	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3600	940	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3600	1300	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3600	1200	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3600	940	ug/kg	1
Chloroform	67-66-3	8260B	ND		3600	600	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3600	720	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3600	490	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3600	1100	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3600	1200	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3600	610	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3600	1200	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3600	1200	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3600	1200	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3600	1200	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3600	530	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3600	720	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3600	1200	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3600	550	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3600	1100	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3600	660	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3600	490	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3600	590	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3600	1200	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		7200	940	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3600	170	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3600	710	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3600	290	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		7200	1100	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		3600	300	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3600	1900	ug/kg	1
Styrene	100-42-5	8260B	ND		3600	790	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3600	340	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1700000		72000	7200	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(15-16')
Date Sampled: 04/03/2014 1355
Date Received: 04/04/2014

Laboratory ID: PD05008-002
Matrix: Solid
% Solids: 79.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	500	04/11/2014 0746	JJG		44550	4.35
2	5035	8260B	10000	04/14/2014 1515	AAC		44762	4.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		3600	1200	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3600	450	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3600	1200	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3600	610	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3600	570	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		3600	1400	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3600	1100	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3600	620	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		3600	2100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		66	53-142	N	0.00	53-142
Bromofluorobenzene		57	47-138	N	0.00	47-138
Toluene-d8	N	63	68-124	N	220	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1459	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		4100	130	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		4100	160	ug/kg	1
Anthracene	120-12-7	8270D	ND		4100	180	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		4100	140	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		4100	300	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		4100	280	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		4100	280	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		4100	340	ug/kg	1
Chrysene	218-01-9	8270D	ND		4100	130	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		4100	270	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		4100	130	ug/kg	1
Fluorene	86-73-7	8270D	ND		4100	160	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		4100	370	ug/kg	1
Naphthalene	91-20-3	8270D	4400		4100	170	ug/kg	1
Phenanthrene	85-01-8	8270D	9600		4100	170	ug/kg	1
Pyrene	129-00-0	8270D	ND		4100	180	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(15-16')
Date Sampled: 04/03/2014 1355
Date Received: 04/04/2014

Laboratory ID: PD05008-002
Matrix: Solid
% Solids: 79.6 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		99	33-102
Nitrobenzene-d5		91	22-109
Terphenyl-d14		114	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(25-26')
Date Sampled: 04/03/2014 1405
Date Received: 04/04/2014

Laboratory ID: PD05008-003
Matrix: Solid
% Solids: 77.4 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	500	04/11/2014 0810	JJG		44550	5.34
2	5035	8260B	20000	04/14/2014 1603	AAC		44762	5.34

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		12000	4100	ug/kg	1
Benzene	71-43-2	8260B	ND		3000	670	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		3000	1000	ug/kg	1
Bromoform	75-25-2	8260B	ND		3000	420	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		3000	1100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		6100	1500	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		3000	790	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		3000	1100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		3000	1000	ug/kg	1
Chloroethane	75-00-3	8260B	ND		3000	790	ug/kg	1
Chloroform	67-66-3	8260B	ND		3000	500	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		3000	610	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		3000	410	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		3000	910	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		3000	1000	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		3000	510	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		3000	1000	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		3000	1000	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		3000	1000	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		3000	970	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		3000	440	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		3000	610	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		3000	1000	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		3000	460	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		3000	910	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		3000	550	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		3000	410	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		3000	500	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		3000	1000	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		6100	790	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		3000	140	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		3000	590	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		3000	240	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		6100	910	ug/kg	1
Methylcyclohexane	108-87-2	8260B	410	J	3000	250	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		3000	1600	ug/kg	1
Styrene	100-42-5	8260B	ND		3000	670	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		3000	280	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2900000		120000	12000	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(25-26')
Date Sampled: 04/03/2014 1405
Date Received: 04/04/2014

Laboratory ID: PD05008-003
Matrix: Solid
% Solids: 77.4 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	500	04/11/2014 0810	JJG		44550	5.34
2	5035	8260B	20000	04/14/2014 1603	AAC		44762	5.34

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	1100	J	3000	1000	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		3000	380	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		3000	1000	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		3000	510	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		3000	480	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		3000	1100	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		3000	910	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		3000	520	ug/kg	1
Xylenes (total)	1330-20-7	8260B	2300	J	3000	1800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		69	53-142	N	0.00	53-142
Bromofluorobenzene		75	47-138	N	0.00	47-138
Toluene-d8		84	68-124	N	391	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1522	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		4200	130	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		4200	170	ug/kg	1
Anthracene	120-12-7	8270D	ND		4200	190	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		4200	140	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		4200	310	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		4200	280	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		4200	290	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		4200	350	ug/kg	1
Chrysene	218-01-9	8270D	ND		4200	130	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		4200	280	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		4200	130	ug/kg	1
Fluorene	86-73-7	8270D	ND		4200	160	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		4200	380	ug/kg	1
Naphthalene	91-20-3	8270D	2000	J	4200	180	ug/kg	1
Phenanthrene	85-01-8	8270D	4700		4200	170	ug/kg	1
Pyrene	129-00-0	8270D	ND		4200	180	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-46(25-26')
Date Sampled: 04/03/2014 1405
Date Received: 04/04/2014

Laboratory ID: PD05008-003
Matrix: Solid
% Solids: 77.4 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		92	33-102
Nitrobenzene-d5		89	22-109
Terphenyl-d14		105	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(0-1')
Date Sampled: 04/03/2014 1455
Date Received: 04/04/2014

Laboratory ID: PD05008-004
Matrix: Solid
% Solids: 88.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 2052	AAC		44517	5.11
2	5035	8260B	1	04/11/2014 1316	AAC		44618	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.4	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	0.77	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.5	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	0.92	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.5	0.74	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.94	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.81	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.84	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.75	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.91	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.5	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.5	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.5	0.45	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.52	ug/kg	1
Tetrachloroethene	127-18-4	8260B	74		5.1	0.51	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(0-1')
Date Sampled: 04/03/2014 1455
Date Received: 04/04/2014

Laboratory ID: PD05008-004
Matrix: Solid
% Solids: 88.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 2052	AAC		44517	5.11
2	5035	8260B	1	04/11/2014 1316	AAC		44618	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.5	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.5	0.70	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.94	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	0.87	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.5	0.95	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142		108	53-142
Bromofluorobenzene		94	47-138		112	47-138
Toluene-d8		107	68-124		108	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/09/2014 0002	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	34	ug/kg	1
Naphthalene	91-20-3	8270D	ND		370	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		370	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(0-1')
Date Sampled: 04/03/2014 1455
Date Received: 04/04/2014

Laboratory ID: PD05008-004
Matrix: Solid
% Solids: 88.6 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		94	33-102
Nitrobenzene-d5		72	22-109
Terphenyl-d14		104	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(6-7')
Date Sampled: 04/03/2014 1505
Date Received: 04/04/2014

Laboratory ID: PD05008-005
Matrix: Solid
% Solids: 82.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1453	AAC		44618	4.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.3	ug/kg	1
Benzene	71-43-2	8260B	ND		7.0	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.0	2.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.0	0.98	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.0	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.0	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.0	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.0	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.0	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.0	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.0	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.0	0.94	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.0	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.0	2.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.0	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.0	2.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.0	2.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.0	2.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.0	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.0	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.0	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.0	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.0	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.0	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.0	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.0	0.95	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.0	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.0	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.0	0.32	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.0	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.0	0.56	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.0	0.57	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.0	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		7.0	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.0	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4.0	J	7.0	0.70	ug/kg	1
Toluene	108-88-3	8260B	ND		7.0	2.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(6-7')
Date Sampled: 04/03/2014 1505
Date Received: 04/04/2014

Laboratory ID: PD05008-005
Matrix: Solid
% Solids: 82.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1453	AAC		44618	4.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.0	0.88	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.0	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.0	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.0	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.0	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.0	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.0	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.0	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		126	53-142
Bromofluorobenzene		125	47-138
Toluene-d8		105	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/09/2014 0029	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	36	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	17	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(6-7')
Date Sampled: 04/03/2014 1505
Date Received: 04/04/2014

Laboratory ID: PD05008-005
Matrix: Solid
% Solids: 82.1 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		90	33-102
Nitrobenzene-d5		72	22-109
Terphenyl-d14		100	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(24-25')
Date Sampled: 04/03/2014 1515
Date Received: 04/04/2014

Laboratory ID: PD05008-006
Matrix: Solid
% Solids: 81.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1252	AAC		44762	4.87

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	420	ug/kg	2
Benzene	71-43-2	8260B	ND		320	70	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	2
Bromoform	75-25-2	8260B	ND		320	44	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	110	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		630	150	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		320	82	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		320	110	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	2
Chloroethane	75-00-3	8260B	ND		320	82	ug/kg	2
Chloroform	67-66-3	8260B	ND		320	53	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	63	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		320	43	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	95	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	54	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		320	46	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		320	63	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		320	48	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	95	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		320	58	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	43	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	52	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		320	110	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		630	82	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		320	15	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		320	62	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	25	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		630	95	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		320	26	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		320	160	ug/kg	2
Styrene	100-42-5	8260B	ND		320	70	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	2
Tetrachloroethene	127-18-4	8260B	360		320	32	ug/kg	2
Toluene	108-88-3	8260B	ND		320	110	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(24-25')
Date Sampled: 04/03/2014 1515
Date Received: 04/04/2014

Laboratory ID: PD05008-006
Matrix: Solid
% Solids: 81.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1252	AAC		44762	4.87

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	40	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	54	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	50	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		320	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		320	95	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		320	55	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		320	180	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		69	47-138
Toluene-d8		72	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/09/2014 0056	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	33	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	36	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	17	ug/kg	1
Phenanthrene	85-01-8	8270D	89	J	390	16	ug/kg	1
Pyrene	129-00-0	8270D	35	J	390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-47(24-25')
Date Sampled: 04/03/2014 1515
Date Received: 04/04/2014

Laboratory ID: PD05008-006
Matrix: Solid
% Solids: 81.0 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		93	33-102
Nitrobenzene-d5		74	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(2-3')
Date Sampled: 04/03/2014 1535
Date Received: 04/04/2014

Laboratory ID: PD05008-007
Matrix: Solid
% Solids: 89.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1316	AAC		44762	5.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	350	ug/kg	2
Benzene	71-43-2	8260B	ND		260	58	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		260	89	ug/kg	2
Bromoform	75-25-2	8260B	ND		260	37	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		260	94	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		520	130	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		260	68	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		260	94	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		260	89	ug/kg	2
Chloroethane	75-00-3	8260B	ND		260	68	ug/kg	2
Chloroform	67-66-3	8260B	ND		260	43	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		260	52	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		260	35	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		260	79	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		260	89	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		260	45	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		260	89	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		260	89	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		260	89	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		260	84	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		260	38	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		260	52	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		260	89	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		260	40	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		260	79	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		260	48	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		260	36	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		260	43	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		260	89	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		520	68	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		260	12	ug/kg	2
Methyl acetate	79-20-9	8260B	360		260	51	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		260	21	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		520	79	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		260	21	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		260	140	ug/kg	2
Styrene	100-42-5	8260B	ND		260	58	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		260	25	ug/kg	2
Tetrachloroethene	127-18-4	8260B	18000		260	26	ug/kg	2
Toluene	108-88-3	8260B	ND		260	89	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(2-3')
Date Sampled: 04/03/2014 1535
Date Received: 04/04/2014

Laboratory ID: PD05008-007
Matrix: Solid
% Solids: 89.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1316	AAC		44762	5.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		260	33	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		260	89	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		260	45	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		260	41	ug/kg	2
Trichloroethene	79-01-6	8260B	710		260	100	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		260	79	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		260	45	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		260	150	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		71	47-138
Toluene-d8		73	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/09/2014 0122	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270D	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		360	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		360	29	ug/kg	1
Chrysene	218-01-9	8270D	ND		360	11	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		360	24	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270D	ND		360	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		360	32	ug/kg	1
Naphthalene	91-20-3	8270D	ND		360	15	ug/kg	1
Phenanthrene	85-01-8	8270D	18	J	360	14	ug/kg	1
Pyrene	129-00-0	8270D	ND		360	15	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(2-3')
Date Sampled: 04/03/2014 1535
Date Received: 04/04/2014

Laboratory ID: PD05008-007
Matrix: Solid
% Solids: 89.6 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		95	33-102
Nitrobenzene-d5		74	22-109
Terphenyl-d14		108	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(14-15')
Date Sampled: 04/03/2014 1545
Date Received: 04/04/2014

Laboratory ID: PD05008-008
Matrix: Solid
% Solids: 92.5 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 0103	JJG		44645	4.57

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	400	ug/kg	1
Benzene	71-43-2	8260B	ND		300	65	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		300	100	ug/kg	1
Bromoform	75-25-2	8260B	ND		300	41	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		300	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		590	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		300	77	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		300	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		300	100	ug/kg	1
Chloroethane	75-00-3	8260B	ND		300	77	ug/kg	1
Chloroform	67-66-3	8260B	ND		300	49	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		300	59	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		300	40	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		300	89	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		300	100	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		300	50	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		300	100	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		300	100	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		300	100	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		300	95	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		300	43	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		300	59	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		300	100	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		300	45	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		300	89	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		300	54	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		300	40	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		300	48	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		300	100	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		590	77	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		300	14	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		300	58	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		300	24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		590	89	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		300	24	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		300	150	ug/kg	1
Styrene	100-42-5	8260B	ND		300	65	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		300	28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2700		300	30	ug/kg	1
Toluene	108-88-3	8260B	ND		300	100	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(14-15')
Date Sampled: 04/03/2014 1545
Date Received: 04/04/2014

Laboratory ID: PD05008-008
Matrix: Solid
% Solids: 92.5 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 0103	JJG		44645	4.57

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		300	37	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		300	100	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		300	50	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		300	47	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		300	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		300	89	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		300	51	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		300	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	53-142
Bromofluorobenzene		68	47-138
Toluene-d8		71	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1546	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		3500	110	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		3500	140	ug/kg	1
Anthracene	120-12-7	8270D	ND		3500	160	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		3500	120	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		3500	260	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		3500	240	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		3500	240	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		3500	290	ug/kg	1
Chrysene	218-01-9	8270D	ND		3500	110	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		3500	230	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		3500	110	ug/kg	1
Fluorene	86-73-7	8270D	ND		3500	140	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		3500	320	ug/kg	1
Naphthalene	91-20-3	8270D	ND		3500	150	ug/kg	1
Phenanthrene	85-01-8	8270D	750	J	3500	140	ug/kg	1
Pyrene	129-00-0	8270D	ND		3500	150	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(14-15')
Date Sampled: 04/03/2014 1545
Date Received: 04/04/2014

Laboratory ID: PD05008-008
Matrix: Solid
% Solids: 92.5 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl	N	103	33-102
Nitrobenzene-d5		86	22-109
Terphenyl-d14		111	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(25-26')
Date Sampled: 04/03/2014 1555
Date Received: 04/04/2014

Laboratory ID: PD05008-009
Matrix: Solid
% Solids: 87.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1805	AAC		44618	5.26

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.3	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	0.73	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.92	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.79	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	53		5.4	0.54	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(25-26')
Date Sampled: 04/03/2014 1555
Date Received: 04/04/2014

Laboratory ID: PD05008-009
Matrix: Solid
% Solids: 87.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1805	AAC		44618	5.26

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	0.68	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.92	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.4	0.93	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		112	53-142
Bromofluorobenzene		114	47-138
Toluene-d8		107	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1127	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	2
Anthracene	120-12-7	8270D	ND		370	16	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	25	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	2
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	2
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	34	ug/kg	2
Naphthalene	91-20-3	8270D	ND		370	16	ug/kg	2
Phenanthrene	85-01-8	8270D	180	J	370	15	ug/kg	2
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-48(25-26')
Date Sampled: 04/03/2014 1555
Date Received: 04/04/2014

Laboratory ID: PD05008-009
Matrix: Solid
% Solids: 87.7 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		80	33-102
Nitrobenzene-d5		72	22-109
Terphenyl-d14		87	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(3-4')
Date Sampled: 04/03/2014 1620
Date Received: 04/04/2014

Laboratory ID: PD05008-010
Matrix: Solid
% Solids: 87.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 0126	JJG		44645	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	350	ug/kg	1
Benzene	71-43-2	8260B	ND		260	57	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		260	88	ug/kg	1
Bromoform	75-25-2	8260B	ND		260	36	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		260	93	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		520	120	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		260	67	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		260	93	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		260	88	ug/kg	1
Chloroethane	75-00-3	8260B	ND		260	67	ug/kg	1
Chloroform	67-66-3	8260B	ND		260	43	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		260	52	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		260	35	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		260	77	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		260	88	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		260	44	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		260	88	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		260	88	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		260	88	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		260	82	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		260	38	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		260	52	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		260	88	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	540		260	39	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		260	77	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		260	47	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		260	35	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		260	42	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		260	88	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		520	67	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		260	12	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		260	50	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		260	21	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		520	77	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		260	21	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		260	130	ug/kg	1
Styrene	100-42-5	8260B	ND		260	57	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		260	24	ug/kg	1
Tetrachloroethene	127-18-4	8260B	8000		260	26	ug/kg	1
Toluene	108-88-3	8260B	ND		260	88	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(3-4')
Date Sampled: 04/03/2014 1620
Date Received: 04/04/2014

Laboratory ID: PD05008-010
Matrix: Solid
% Solids: 87.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 0126	JJG		44645	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		260	32	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		260	88	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		260	44	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		260	41	ug/kg	1
Trichloroethene	79-01-6	8260B	190	J	260	98	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		260	77	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		260	44	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		260	150	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		70	53-142
Bromofluorobenzene		69	47-138
Toluene-d8		71	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1154	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	2
Anthracene	120-12-7	8270D	ND		370	16	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	25	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	2
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	2
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	34	ug/kg	2
Naphthalene	91-20-3	8270D	ND		370	16	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		370	15	ug/kg	2
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(3-4')
Date Sampled: 04/03/2014 1620
Date Received: 04/04/2014

Laboratory ID: PD05008-010
Matrix: Solid
% Solids: 87.7 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		87	33-102
Nitrobenzene-d5		76	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(12-13')
Date Sampled: 04/03/2014 1630
Date Received: 04/04/2014

Laboratory ID: PD05008-011
Matrix: Solid
% Solids: 78.9 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1829	AAC		44618	4.74

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.7	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.7	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.7	0.90	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.7	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.91	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.7	0.31	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.7	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.53	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.7	0.55	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	94		6.7	0.67	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	2.3	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(12-13')
Date Sampled: 04/03/2014 1630
Date Received: 04/04/2014

Laboratory ID: PD05008-011
Matrix: Solid
% Solids: 78.9 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1829	AAC		44618	4.74

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.7	0.84	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.7	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.7	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.7	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.7	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		120	53-142
Bromofluorobenzene		122	47-138
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1220	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		420	13	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		420	17	ug/kg	2
Anthracene	120-12-7	8270D	ND		420	19	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		420	14	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		420	31	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		420	28	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		420	29	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		420	34	ug/kg	2
Chrysene	218-01-9	8270D	ND		420	13	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		420	28	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		420	13	ug/kg	2
Fluorene	86-73-7	8270D	ND		420	16	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		420	38	ug/kg	2
Naphthalene	91-20-3	8270D	ND		420	18	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		420	17	ug/kg	2
Pyrene	129-00-0	8270D	ND		420	18	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(12-13')
Date Sampled: 04/03/2014 1630
Date Received: 04/04/2014

Laboratory ID: PD05008-011
Matrix: Solid
% Solids: 78.9 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		79	33-102
Nitrobenzene-d5		68	22-109
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(23-24')
Date Sampled: 04/03/2014 1640
Date Received: 04/04/2014

Laboratory ID: PD05008-012
Matrix: Solid
% Solids: 76.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1517	AAC		44618	5.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	24		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.79	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	450		5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(23-24')
Date Sampled: 04/03/2014 1640
Date Received: 04/04/2014

Laboratory ID: PD05008-012
Matrix: Solid
% Solids: 76.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1517	AAC		44618	5.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.74	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.92	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	53-142
Bromofluorobenzene		114	47-138
Toluene-d8		104	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1247	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		430	13	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		430	17	ug/kg	2
Anthracene	120-12-7	8270D	ND		430	19	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		430	14	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		430	31	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		430	29	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		430	29	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		430	35	ug/kg	2
Chrysene	218-01-9	8270D	ND		430	13	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		430	29	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		430	14	ug/kg	2
Fluorene	86-73-7	8270D	ND		430	17	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		430	39	ug/kg	2
Naphthalene	91-20-3	8270D	ND		430	18	ug/kg	2
Phenanthrene	85-01-8	8270D	310	J	430	17	ug/kg	2
Pyrene	129-00-0	8270D	ND		430	19	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-49(23-24')
Date Sampled: 04/03/2014 1640
Date Received: 04/04/2014

Laboratory ID: PD05008-012
Matrix: Solid
% Solids: 76.3 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		79	33-102
Nitrobenzene-d5		68	22-109
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(2-3')
Date Sampled: 04/03/2014 1700
Date Received: 04/04/2014

Laboratory ID: PD05008-013
Matrix: Solid
% Solids: 93.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1541	AAC		44618	5.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	180		5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(2-3')
Date Sampled: 04/03/2014 1700
Date Received: 04/04/2014

Laboratory ID: PD05008-013
Matrix: Solid
% Solids: 93.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1541	AAC		44618	5.17

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.89	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		115	47-138
Toluene-d8		110	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1340	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		350	11	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		350	14	ug/kg	2
Anthracene	120-12-7	8270D	ND		350	15	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		350	11	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		350	25	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		350	23	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		350	24	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		350	28	ug/kg	2
Chrysene	218-01-9	8270D	ND		350	11	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		350	23	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		350	11	ug/kg	2
Fluorene	86-73-7	8270D	ND		350	13	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		350	31	ug/kg	2
Naphthalene	91-20-3	8270D	ND		350	15	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		350	14	ug/kg	2
Pyrene	129-00-0	8270D	ND		350	15	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(2-3')
Date Sampled: 04/03/2014 1700
Date Received: 04/04/2014

Laboratory ID: PD05008-013
Matrix: Solid
% Solids: 93.1 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		87	33-102
Nitrobenzene-d5		78	22-109
Terphenyl-d14		92	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(9-10')
Date Sampled: 04/03/2014 1710
Date Received: 04/04/2014

Laboratory ID: PD05008-014
Matrix: Solid
% Solids: 80.8 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1605	AAC		44618	5.10

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.1	ug/kg	1
Benzene	71-43-2	8260B	ND		6.1	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.1	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.1	0.85	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.1	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.1	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.1	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.1	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.1	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.1	0.82	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.1	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.1	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.1	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	0.89	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	0.92	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	0.83	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.1	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.1	0.28	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.1	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	0.49	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.1	0.50	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.1	3.2	ug/kg	1
Styrene	100-42-5	8260B	ND		6.1	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	0.57	ug/kg	1
Tetrachloroethene	127-18-4	8260B	100		6.1	0.61	ug/kg	1
Toluene	108-88-3	8260B	ND		6.1	2.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(9-10')
Date Sampled: 04/03/2014 1710
Date Received: 04/04/2014

Laboratory ID: PD05008-014
Matrix: Solid
% Solids: 80.8 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1605	AAC		44618	5.10

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.1	0.76	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.1	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	0.96	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.1	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.1	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.1	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.1	3.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	53-142
Bromofluorobenzene		114	47-138
Toluene-d8		108	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1406	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		400	12	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		400	16	ug/kg	2
Anthracene	120-12-7	8270D	ND		400	17	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		400	13	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		400	29	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	27	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	27	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	33	ug/kg	2
Chrysene	218-01-9	8270D	ND		400	12	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	26	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		400	12	ug/kg	2
Fluorene	86-73-7	8270D	ND		400	15	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	36	ug/kg	2
Naphthalene	91-20-3	8270D	ND		400	17	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		400	16	ug/kg	2
Pyrene	129-00-0	8270D	ND		400	17	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(9-10')
Date Sampled: 04/03/2014 1710
Date Received: 04/04/2014

Laboratory ID: PD05008-014
Matrix: Solid
% Solids: 80.8 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		81	33-102
Nitrobenzene-d5		69	22-109
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(23-24')
Date Sampled: 04/03/2014 1720
Date Received: 04/04/2014

Laboratory ID: PD05008-015
Matrix: Solid
% Solids: 79.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1628	AAC		44618	4.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.3	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	2.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.97	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.9	0.93	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	2.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	2.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	2.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.9	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.9	0.32	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.9	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.9	0.57	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	160		6.9	0.69	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	2.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(23-24')
Date Sampled: 04/03/2014 1720
Date Received: 04/04/2014

Laboratory ID: PD05008-015
Matrix: Solid
% Solids: 79.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1628	AAC		44618	4.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.9	0.87	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.9	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.9	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.9	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		113	53-142
Bromofluorobenzene		113	47-138
Toluene-d8		109	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1432	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		410	12	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		410	16	ug/kg	2
Anthracene	120-12-7	8270D	ND		410	18	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		410	13	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		410	30	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		410	28	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		410	28	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		410	34	ug/kg	2
Chrysene	218-01-9	8270D	ND		410	13	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		410	27	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		410	13	ug/kg	2
Fluorene	86-73-7	8270D	ND		410	16	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		410	37	ug/kg	2
Naphthalene	91-20-3	8270D	ND		410	17	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		410	17	ug/kg	2
Pyrene	129-00-0	8270D	ND		410	18	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-51(23-24')
Date Sampled: 04/03/2014 1720
Date Received: 04/04/2014

Laboratory ID: PD05008-015
Matrix: Solid
% Solids: 79.1 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		80	33-102
Nitrobenzene-d5		72	22-109
Terphenyl-d14		83	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-53(1-2')
Date Sampled: 04/02/2014 1630
Date Received: 04/04/2014

Laboratory ID: PD05008-016
Matrix: Solid
% Solids: 85.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1652	AAC		44618	4.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.4	ug/kg	1
Benzene	71-43-2	8260B	ND		6.3	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.3	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.3	0.88	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.3	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.3	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.3	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.3	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.3	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.3	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.3	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.3	0.85	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.3	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.3	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.3	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.3	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.3	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.3	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.3	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.3	0.92	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.3	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.3	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.3	0.95	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.3	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.3	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.3	0.85	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.3	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.3	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.3	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.3	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.3	0.50	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.3	0.51	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.3	3.3	ug/kg	1
Styrene	100-42-5	8260B	ND		6.3	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.3	0.59	ug/kg	1
Tetrachloroethene	127-18-4	8260B	14		6.3	0.63	ug/kg	1
Toluene	108-88-3	8260B	ND		6.3	2.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-53(1-2')
Date Sampled: 04/02/2014 1630
Date Received: 04/04/2014

Laboratory ID: PD05008-016
Matrix: Solid
% Solids: 85.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1652	AAC		44618	4.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.3	0.79	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.3	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.3	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.3	0.99	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.3	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.3	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.3	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.3	3.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		123	53-142
Bromofluorobenzene		124	47-138
Toluene-d8		100	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1459	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	2
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		380	13	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	26	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	2
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	2
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	2
Naphthalene	91-20-3	8270D	ND		380	16	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		380	15	ug/kg	2
Pyrene	129-00-0	8270D	ND		380	16	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-53(1-2')
Date Sampled: 04/02/2014 1630
Date Received: 04/04/2014

Laboratory ID: PD05008-016
Matrix: Solid
% Solids: 85.1 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		74	33-102
Nitrobenzene-d5		66	22-109
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-53(24-25')
Date Sampled: 04/02/2014 1640
Date Received: 04/04/2014

Laboratory ID: PD05008-017
Matrix: Solid
% Solids: 77.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1716	AAC		44618	6.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.3	ug/kg	1
Benzene	71-43-2	8260B	ND		4.7	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	0.65	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.4	2.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	0.78	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	0.94	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	0.63	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	0.79	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	0.68	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	0.94	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	0.71	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	0.85	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	0.64	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	0.77	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.4	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	0.22	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	0.92	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	0.37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.4	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	0.38	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	2.4	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	0.44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	99		4.7	0.47	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	1.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-53(24-25')
Date Sampled: 04/02/2014 1640
Date Received: 04/04/2014

Laboratory ID: PD05008-017
Matrix: Solid
% Solids: 77.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1716	AAC		44618	6.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	0.59	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	0.79	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	0.74	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.7	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.7	0.80	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		121	53-142
Bromofluorobenzene		120	47-138
Toluene-d8		110	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1525	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		420	13	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		420	17	ug/kg	2
Anthracene	120-12-7	8270D	ND		420	19	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		420	14	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		420	31	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		420	29	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		420	29	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		420	35	ug/kg	2
Chrysene	218-01-9	8270D	ND		420	13	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		420	28	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		420	13	ug/kg	2
Fluorene	86-73-7	8270D	ND		420	16	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		420	38	ug/kg	2
Naphthalene	91-20-3	8270D	ND		420	18	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		420	17	ug/kg	2
Pyrene	129-00-0	8270D	ND		420	18	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-53(24-25')
Date Sampled: 04/02/2014 1640
Date Received: 04/04/2014

Laboratory ID: PD05008-017
Matrix: Solid
% Solids: 77.3 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		79	33-102
Nitrobenzene-d5		71	22-109
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-55(11-12')
Date Sampled: 04/04/2014 0925
Date Received: 04/04/2014

Laboratory ID: PD05008-018
Matrix: Solid
% Solids: 73.8 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1740	AAC		44618	5.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.4	ug/kg	1
Benzene	71-43-2	8260B	ND		6.3	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.3	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.3	0.88	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.3	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.3	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.3	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.3	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.3	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.3	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.3	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.3	0.85	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.3	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.3	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.3	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.3	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.3	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.3	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.3	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.3	0.92	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.3	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.3	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.3	0.96	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.3	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.3	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.3	0.86	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.3	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.3	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.3	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.3	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.3	0.50	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.3	0.52	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.3	3.3	ug/kg	1
Styrene	100-42-5	8260B	ND		6.3	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.3	0.59	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.80	J	6.3	0.63	ug/kg	1
Toluene	108-88-3	8260B	ND		6.3	2.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-55(11-12')
Date Sampled: 04/04/2014 0925
Date Received: 04/04/2014

Laboratory ID: PD05008-018
Matrix: Solid
% Solids: 73.8 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/11/2014 1740	AAC		44618	5.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.3	0.79	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.3	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.3	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.3	0.99	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.3	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.3	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.3	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.3	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		124	53-142
Bromofluorobenzene		126	47-138
Toluene-d8		100	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	1	04/11/2014 1551	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		450	14	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		450	18	ug/kg	2
Anthracene	120-12-7	8270D	ND		450	20	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		450	15	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		450	33	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		450	30	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		450	30	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		450	37	ug/kg	2
Chrysene	218-01-9	8270D	ND		450	14	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		450	30	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		450	14	ug/kg	2
Fluorene	86-73-7	8270D	ND		450	17	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		450	40	ug/kg	2
Naphthalene	91-20-3	8270D	ND		450	19	ug/kg	2
Phenanthrene	85-01-8	8270D	ND		450	18	ug/kg	2
Pyrene	129-00-0	8270D	ND		450	19	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-55(11-12')
Date Sampled: 04/04/2014 0925
Date Received: 04/04/2014

Laboratory ID: PD05008-018
Matrix: Solid
% Solids: 73.8 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		69	33-102
Nitrobenzene-d5		59	22-109
Terphenyl-d14		75	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-55(24-25')
Date Sampled: 04/04/2014 0935
Date Received: 04/04/2014

Laboratory ID: PD05008-019
Matrix: Solid
% Solids: 86.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 0149	JJG		44645	5.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	380	ug/kg	1
Benzene	71-43-2	8260B	ND		290	63	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		290	98	ug/kg	1
Bromoform	75-25-2	8260B	ND		290	40	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		570	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		290	75	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		290	100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		290	98	ug/kg	1
Chloroethane	75-00-3	8260B	ND		290	75	ug/kg	1
Chloroform	67-66-3	8260B	ND		290	48	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	57	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		290	39	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	86	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		290	98	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	49	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	98	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	98	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	98	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		290	92	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		290	42	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		290	57	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		290	98	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		290	44	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	86	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		290	52	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	39	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	47	ug/kg	1
Ethylbenzene	100-41-4	8260B	290		290	98	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		570	75	ug/kg	1
Isopropylbenzene	98-82-8	8260B	1500		290	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		290	56	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		570	86	ug/kg	1
Methylcyclohexane	108-87-2	8260B	1100		290	24	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	1
Styrene	100-42-5	8260B	ND		290	63	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	51	J	290	29	ug/kg	1
Toluene	108-88-3	8260B	ND		290	98	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-55(24-25')
Date Sampled: 04/04/2014 0935
Date Received: 04/04/2014

Laboratory ID: PD05008-019
Matrix: Solid
% Solids: 86.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 0149	JJG		44645	5.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	36	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	98	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	49	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	45	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		290	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		290	86	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		290	49	ug/kg	1
Xylenes (total)	1330-20-7	8260B	3900		290	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		66	53-142
Bromofluorobenzene		71	47-138
Toluene-d8		73	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	2	04/14/2014 1520	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	1900		750	23	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		750	30	ug/kg	2
Anthracene	120-12-7	8270D	ND		750	33	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		750	25	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		750	55	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		750	51	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		750	51	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		750	62	ug/kg	2
Chrysene	218-01-9	8270D	ND		750	24	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		750	50	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		750	24	ug/kg	2
Fluorene	86-73-7	8270D	ND		750	29	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		750	68	ug/kg	2
Naphthalene	91-20-3	8270D	3900		750	32	ug/kg	2
Phenanthrene	85-01-8	8270D	9700		750	31	ug/kg	2
Pyrene	129-00-0	8270D	630	J	750	33	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-55(24-25')
Date Sampled: 04/04/2014 0935
Date Received: 04/04/2014

Laboratory ID: PD05008-019
Matrix: Solid
% Solids: 86.7 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		96	33-102
Nitrobenzene-d5		93	22-109
Terphenyl-d14		95	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-4
Date Sampled: 04/04/2014 0940
Date Received: 04/04/2014

Laboratory ID: PD05008-020
Matrix: Solid
% Solids: 86.4 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1715	AAC		44762	5.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	370	ug/kg	2
Benzene	71-43-2	8260B	ND		280	61	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		280	94	ug/kg	2
Bromoform	75-25-2	8260B	ND		280	39	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		280	99	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		550	130	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		280	72	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		280	99	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		280	94	ug/kg	2
Chloroethane	75-00-3	8260B	ND		280	72	ug/kg	2
Chloroform	67-66-3	8260B	ND		280	46	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		280	55	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		280	37	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		280	83	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		280	94	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		280	47	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		280	94	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		280	94	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		280	94	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		280	88	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		280	40	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		280	55	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		280	94	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		280	42	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		280	83	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		280	50	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		280	38	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		280	45	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		280	94	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		550	72	ug/kg	2
Isopropylbenzene	98-82-8	8260B	750		280	13	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		280	54	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		280	22	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		550	83	ug/kg	2
Methylcyclohexane	108-87-2	8260B	620		280	23	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		280	140	ug/kg	2
Styrene	100-42-5	8260B	ND		280	61	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		280	26	ug/kg	2
Tetrachloroethene	127-18-4	8260B	38	J	280	28	ug/kg	2
Toluene	108-88-3	8260B	ND		280	94	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-4
Date Sampled: 04/04/2014 0940
Date Received: 04/04/2014

Laboratory ID: PD05008-020
Matrix: Solid
% Solids: 86.4 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1715	AAC		44762	5.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		280	35	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		280	94	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		280	47	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		280	44	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		280	100	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		280	83	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		280	48	ug/kg	2
Xylenes (total)	1330-20-7	8260B	1400		280	160	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	53-142
Bromofluorobenzene		68	47-138
Toluene-d8		73	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3550C	8270D	2	04/14/2014 1547	RBH	04/10/2014 1528	44487

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	1900		760	23	ug/kg	2
Acenaphthylene	208-96-8	8270D	ND		760	30	ug/kg	2
Anthracene	120-12-7	8270D	ND		760	33	ug/kg	2
Benzo(a)anthracene	56-55-3	8270D	ND		760	25	ug/kg	2
Benzo(a)pyrene	50-32-8	8270D	ND		760	55	ug/kg	2
Benzo(b)fluoranthene	205-99-2	8270D	ND		760	51	ug/kg	2
Benzo(g,h,i)perylene	191-24-2	8270D	ND		760	52	ug/kg	2
Benzo(k)fluoranthene	207-08-9	8270D	ND		760	62	ug/kg	2
Chrysene	218-01-9	8270D	ND		760	24	ug/kg	2
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		760	50	ug/kg	2
Fluoranthene	206-44-0	8270D	ND		760	24	ug/kg	2
Fluorene	86-73-7	8270D	ND		760	29	ug/kg	2
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		760	68	ug/kg	2
Naphthalene	91-20-3	8270D	3600		760	32	ug/kg	2
Phenanthrene	85-01-8	8270D	9900		760	31	ug/kg	2
Pyrene	129-00-0	8270D	650	J	760	33	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-4
Date Sampled: 04/04/2014 0940
Date Received: 04/04/2014

Laboratory ID: PD05008-020
Matrix: Solid
% Solids: 86.4 04/05/2014 1442

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
2-Fluorobiphenyl		91	33-102
Nitrobenzene-d5		82	22-109
Terphenyl-d14		90	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/04/2014
Date Received: 04/08/2014

Laboratory ID: PD05008-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/10/2014 0053	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/04/2014
Date Received: 04/08/2014

Laboratory ID: PD05008-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/10/2014 0053	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/09/2014 2324
Benzene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Bromoform	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/09/2014 2324
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/09/2014 2324
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloroethane	ND		1	5.0	0.50	ug/L	04/09/2014 2324
Chloroform	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Cyclohexane	ND		1	5.0	0.98	ug/L	04/09/2014 2324
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/09/2014 2324
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/09/2014 2324
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
2-Hexanone	ND		1	10	1.0	ug/L	04/09/2014 2324
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/09/2014 2324
Methyl acetate	ND		1	5.0	0.72	ug/L	04/09/2014 2324
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/09/2014 2324
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/09/2014 2324
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/09/2014 2324
Methylene chloride	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Styrene	ND		1	5.0	0.10	ug/L	04/09/2014 2324
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Toluene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/09/2014 2324
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/09/2014 2324

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	107	60-140	04/09/2014 2153
Benzene	50	51		1	103	70-130	04/09/2014 2153
Bromodichloromethane	50	50		1	100	70-130	04/09/2014 2153
Bromoform	50	39		1	79	70-130	04/09/2014 2153
Bromomethane (Methyl bromide)	50	40		1	80	60-140	04/09/2014 2153
2-Butanone (MEK)	100	94		1	94	60-140	04/09/2014 2153
Carbon disulfide	50	52		1	104	60-140	04/09/2014 2153
Carbon tetrachloride	50	49		1	99	70-130	04/09/2014 2153
Chlorobenzene	50	50		1	99	70-130	04/09/2014 2153
Chloroethane	50	42		1	84	42-163	04/09/2014 2153
Chloroform	50	50		1	100	70-130	04/09/2014 2153
Chloromethane (Methyl chloride)	50	50		1	99	60-140	04/09/2014 2153
Cyclohexane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	70-130	04/09/2014 2153
Dibromochloromethane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	04/09/2014 2153
1,4-Dichlorobenzene	50	50		1	101	70-130	04/09/2014 2153
1,3-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
1,2-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
Dichlorodifluoromethane	50	52		1	104	60-140	04/09/2014 2153
1,2-Dichloroethane	50	50		1	100	70-130	04/09/2014 2153
1,1-Dichloroethane	50	49		1	99	70-130	04/09/2014 2153
trans-1,2-Dichloroethene	50	49		1	99	70-130	04/09/2014 2153
cis-1,2-Dichloroethene	50	50		1	101	70-130	04/09/2014 2153
1,1-Dichloroethene	50	52		1	104	70-130	04/09/2014 2153
1,2-Dichloropropane	50	51		1	101	70-130	04/09/2014 2153
trans-1,3-Dichloropropene	50	51		1	102	70-130	04/09/2014 2153
cis-1,3-Dichloropropene	50	51		1	103	70-130	04/09/2014 2153
Ethylbenzene	50	50		1	100	70-130	04/09/2014 2153
2-Hexanone	100	100		1	100	60-140	04/09/2014 2153
Isopropylbenzene	50	52		1	103	70-130	04/09/2014 2153
Methyl acetate	50	52		1	104	70-130	04/09/2014 2153
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	04/09/2014 2153
4-Methyl-2-pentanone	100	99		1	99	60-140	04/09/2014 2153
Methylcyclohexane	50	52		1	103	70-130	04/09/2014 2153
Methylene chloride	50	47		1	94	70-130	04/09/2014 2153
Styrene	50	52		1	103	70-130	04/09/2014 2153
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	04/09/2014 2153
Tetrachloroethene	50	49		1	99	70-130	04/09/2014 2153
Toluene	50	50		1	100	70-130	04/09/2014 2153
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	114	70-130	04/09/2014 2153
1,2,4-Trichlorobenzene	50	54		1	108	70-130	04/09/2014 2153
1,1,2-Trichloroethane	50	49		1	97	70-130	04/09/2014 2153
1,1,1-Trichloroethane	50	49		1	98	70-130	04/09/2014 2153

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	70-130	04/09/2014 2153
Trichlorofluoromethane	50	42		1	85	70-130	04/09/2014 2153
Vinyl chloride	50	49		1	98	70-130	04/09/2014 2153
Xylenes (total)	100	100		1	102	70-130	04/09/2014 2153

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	109	1.0	60-140	20	04/09/2014 2216
Benzene	50	51		1	101	1.4	70-130	20	04/09/2014 2216
Bromodichloromethane	50	50		1	101	0.34	70-130	20	04/09/2014 2216
Bromoform	50	41		1	83	4.9	70-130	20	04/09/2014 2216
Bromomethane (Methyl bromide)	50	47		1	95	17	60-140	20	04/09/2014 2216
2-Butanone (MEK)	100	98		1	98	3.7	60-140	20	04/09/2014 2216
Carbon disulfide	50	52		1	104	0.23	60-140	20	04/09/2014 2216
Carbon tetrachloride	50	50		1	101	2.1	70-130	20	04/09/2014 2216
Chlorobenzene	50	50		1	100	0.42	70-130	20	04/09/2014 2216
Chloroethane	50	52		1	103	20	42-163	20	04/09/2014 2216
Chloroform	50	50		1	100	0.24	70-130	20	04/09/2014 2216
Chloromethane (Methyl chloride)	50	51		1	102	2.8	60-140	20	04/09/2014 2216
Cyclohexane	50	48		1	97	0.45	70-130	20	04/09/2014 2216
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	3.5	70-130	20	04/09/2014 2216
Dibromochloromethane	50	49		1	98	2.5	70-130	20	04/09/2014 2216
1,2-Dibromoethane (EDB)	50	51		1	102	1.3	70-130	20	04/09/2014 2216
1,4-Dichlorobenzene	50	50		1	100	1.2	70-130	20	04/09/2014 2216
1,3-Dichlorobenzene	50	50		1	101	1.1	70-130	20	04/09/2014 2216
1,2-Dichlorobenzene	50	50		1	100	1.8	70-130	20	04/09/2014 2216
Dichlorodifluoromethane	50	52		1	105	1.2	60-140	20	04/09/2014 2216
1,2-Dichloroethane	50	50		1	101	1.3	70-130	20	04/09/2014 2216
1,1-Dichloroethane	50	50		1	99	0.56	70-130	20	04/09/2014 2216
trans-1,2-Dichloroethene	50	50		1	99	0.87	70-130	20	04/09/2014 2216
cis-1,2-Dichloroethene	50	51		1	101	0.26	70-130	20	04/09/2014 2216
1,1-Dichloroethene	50	51		1	102	1.6	70-130	20	04/09/2014 2216
1,2-Dichloropropane	50	50		1	101	0.39	70-130	20	04/09/2014 2216
trans-1,3-Dichloropropene	50	52		1	105	2.5	70-130	20	04/09/2014 2216
cis-1,3-Dichloropropene	50	52		1	104	0.78	70-130	20	04/09/2014 2216
Ethylbenzene	50	50		1	100	0.43	70-130	20	04/09/2014 2216
2-Hexanone	100	100		1	102	1.9	60-140	20	04/09/2014 2216
Isopropylbenzene	50	50		1	100	3.1	70-130	20	04/09/2014 2216
Methyl acetate	50	54		1	109	4.6	70-130	20	04/09/2014 2216
Methyl tertiary butyl ether (MTBE)	50	49		1	99	0.84	70-130	20	04/09/2014 2216
4-Methyl-2-pentanone	100	100		1	101	1.2	60-140	20	04/09/2014 2216
Methylcyclohexane	50	51		1	101	1.7	70-130	20	04/09/2014 2216
Methylene chloride	50	47		1	94	0.23	70-130	20	04/09/2014 2216
Styrene	50	51		1	103	0.28	70-130	20	04/09/2014 2216
1,1,2,2-Tetrachloroethane	50	51		1	101	1.8	70-130	20	04/09/2014 2216
Tetrachloroethene	50	50		1	99	0.27	70-130	20	04/09/2014 2216
Toluene	50	49		1	98	2.2	70-130	20	04/09/2014 2216
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	3.6	70-130	20	04/09/2014 2216
1,2,4-Trichlorobenzene	50	53		1	106	1.1	70-130	20	04/09/2014 2216
1,1,2-Trichloroethane	50	49		1	99	1.5	70-130	20	04/09/2014 2216
1,1,1-Trichloroethane	50	50		1	100	1.9	70-130	20	04/09/2014 2216

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	99	0.014	70-130	20	04/09/2014 2216
Trichlorofluoromethane	50	46		1	91	7.5	70-130	20	04/09/2014 2216
Vinyl chloride	50	49		1	98	0.018	70-130	20	04/09/2014 2216
Xylenes (total)	100	100		1	101	0.62	70-130	20	04/09/2014 2216

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44517-001
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/10/2014 1547
Benzene	ND		1	5.0	1.1	ug/kg	04/10/2014 1547
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
Bromoform	ND		1	5.0	0.70	ug/kg	04/10/2014 1547
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/10/2014 1547
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/10/2014 1547
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/10/2014 1547
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/10/2014 1547
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
Chloroethane	ND		1	5.0	1.3	ug/kg	04/10/2014 1547
Chloroform	ND		1	5.0	0.83	ug/kg	04/10/2014 1547
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/10/2014 1547
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/10/2014 1547
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/10/2014 1547
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/10/2014 1547
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/10/2014 1547
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/10/2014 1547
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/10/2014 1547
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/10/2014 1547
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/10/2014 1547
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/10/2014 1547
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/10/2014 1547
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/10/2014 1547
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
2-Hexanone	ND		1	10	1.3	ug/kg	04/10/2014 1547
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/10/2014 1547
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/10/2014 1547
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/10/2014 1547
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/10/2014 1547
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/10/2014 1547
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/10/2014 1547
Styrene	ND		1	5.0	1.1	ug/kg	04/10/2014 1547
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/10/2014 1547
Toluene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/10/2014 1547
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/10/2014 1547
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/10/2014 1547
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/10/2014 1547

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44517-001
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/10/2014 1547
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/10/2014 1547
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/10/2014 1547

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44517-002
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	105	60-140	04/10/2014 1414
Benzene	50	43		1	86	69-123	04/10/2014 1414
Bromodichloromethane	50	42		1	84	69-121	04/10/2014 1414
Bromoform	50	45		1	90	61-119	04/10/2014 1414
Bromomethane (Methyl bromide)	50	43		1	85	10-168	04/10/2014 1414
2-Butanone (MEK)	100	100		1	104	57-148	04/10/2014 1414
Carbon disulfide	50	45		1	90	58-122	04/10/2014 1414
Carbon tetrachloride	50	43		1	87	58-136	04/10/2014 1414
Chlorobenzene	50	43		1	86	59-129	04/10/2014 1414
Chloroethane	50	42		1	85	42-163	04/10/2014 1414
Chloroform	50	43		1	86	71-125	04/10/2014 1414
Chloromethane (Methyl chloride)	50	41		1	82	34-134	04/10/2014 1414
Cyclohexane	50	44		1	89	53-139	04/10/2014 1414
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	04/10/2014 1414
Dibromochloromethane	50	44		1	89	66-119	04/10/2014 1414
1,2-Dibromoethane (EDB)	50	44		1	89	74-124	04/10/2014 1414
1,4-Dichlorobenzene	50	44		1	88	52-133	04/10/2014 1414
1,3-Dichlorobenzene	50	42		1	83	51-134	04/10/2014 1414
1,2-Dichlorobenzene	50	44		1	88	57-131	04/10/2014 1414
Dichlorodifluoromethane	50	45		1	89	10-157	04/10/2014 1414
1,2-Dichloroethane	50	43		1	86	67-129	04/10/2014 1414
1,1-Dichloroethane	50	42		1	84	71-127	04/10/2014 1414
trans-1,2-Dichloroethene	50	44		1	87	68-131	04/10/2014 1414
cis-1,2-Dichloroethene	50	43		1	86	70-122	04/10/2014 1414
1,1-Dichloroethene	50	44		1	88	69-138	04/10/2014 1414
1,2-Dichloropropane	50	43		1	86	72-124	04/10/2014 1414
trans-1,3-Dichloropropene	50	44		1	89	70-124	04/10/2014 1414
cis-1,3-Dichloropropene	50	44		1	89	70-126	04/10/2014 1414
Ethylbenzene	50	43		1	86	59-128	04/10/2014 1414
2-Hexanone	100	93		1	93	54-137	04/10/2014 1414
Isopropylbenzene	50	44		1	89	50-136	04/10/2014 1414
Methyl acetate	50	51		1	102	59-137	04/10/2014 1414
Methyl tertiary butyl ether (MTBE)	50	48		1	95	70-130	04/10/2014 1414
4-Methyl-2-pentanone	100	97		1	97	60-134	04/10/2014 1414
Methylcyclohexane	50	44		1	88	41-144	04/10/2014 1414
Methylene chloride	50	41		1	83	70-130	04/10/2014 1414
Styrene	50	45		1	89	54-136	04/10/2014 1414
1,1,2,2-Tetrachloroethane	50	46		1	93	69-132	04/10/2014 1414
Toluene	50	41		1	83	61-129	04/10/2014 1414
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	49-136	04/10/2014 1414
1,2,4-Trichlorobenzene	50	43		1	86	34-145	04/10/2014 1414
1,1,2-Trichloroethane	50	41		1	83	55-128	04/10/2014 1414
1,1,1-Trichloroethane	50	42		1	85	63-128	04/10/2014 1414
Trichloroethene	50	43		1	86	62-126	04/10/2014 1414

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44517-002
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	50	43		1	85	45-138	04/10/2014 1414
Vinyl chloride	50	43		1	86	42-132	04/10/2014 1414
Xylenes (total)	100	90		1	90	58-128	04/10/2014 1414

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44517-003
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	92		1	92	12	60-140	20	04/10/2014 1438
Benzene	50	41		1	82	4.9	69-123	20	04/10/2014 1438
Bromodichloromethane	50	41		1	82	2.2	69-121	20	04/10/2014 1438
Bromoform	50	44		1	88	1.8	61-119	20	04/10/2014 1438
Bromomethane (Methyl bromide)	50	40		1	80	6.6	10-168	20	04/10/2014 1438
2-Butanone (MEK)	100	92		1	92	13	57-148	20	04/10/2014 1438
Carbon disulfide	50	40		1	81	11	58-122	20	04/10/2014 1438
Carbon tetrachloride	50	40		1	80	8.3	58-136	20	04/10/2014 1438
Chlorobenzene	50	40		1	80	7.4	59-129	20	04/10/2014 1438
Chloroethane	50	39		1	78	8.0	42-163	20	04/10/2014 1438
Chloroform	50	40		1	81	6.0	71-125	20	04/10/2014 1438
Chloromethane (Methyl chloride)	50	37		1	75	9.1	34-134	20	04/10/2014 1438
Cyclohexane	50	41		1	82	8.7	53-139	20	04/10/2014 1438
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	10	55-125	20	04/10/2014 1438
Dibromochloromethane	50	44		1	88	0.69	66-119	20	04/10/2014 1438
1,2-Dibromoethane (EDB)	50	43		1	85	3.6	74-124	20	04/10/2014 1438
1,4-Dichlorobenzene	50	40		1	80	9.2	52-133	20	04/10/2014 1438
1,3-Dichlorobenzene	50	40		1	80	4.3	51-134	20	04/10/2014 1438
1,2-Dichlorobenzene	50	41		1	83	6.5	57-131	20	04/10/2014 1438
Dichlorodifluoromethane	50	40		1	80	11	10-157	20	04/10/2014 1438
1,2-Dichloroethane	50	41		1	82	4.9	67-129	20	04/10/2014 1438
1,1-Dichloroethane	50	40		1	80	4.9	71-127	20	04/10/2014 1438
trans-1,2-Dichloroethene	50	39		1	79	10	68-131	20	04/10/2014 1438
cis-1,2-Dichloroethene	50	40		1	81	6.3	70-122	20	04/10/2014 1438
1,1-Dichloroethene	50	40		1	79	11	69-138	20	04/10/2014 1438
1,2-Dichloropropane	50	40		1	80	7.0	72-124	20	04/10/2014 1438
trans-1,3-Dichloropropene	50	44		1	88	0.49	70-124	20	04/10/2014 1438
cis-1,3-Dichloropropene	50	42		1	84	4.8	70-126	20	04/10/2014 1438
Ethylbenzene	50	41		1	83	3.6	59-128	20	04/10/2014 1438
2-Hexanone	100	94		1	94	1.4	54-137	20	04/10/2014 1438
Isopropylbenzene	50	41		1	82	7.7	50-136	20	04/10/2014 1438
Methyl acetate	50	46		1	92	10	59-137	20	04/10/2014 1438
Methyl tertiary butyl ether (MTBE)	50	48		1	96	0.58	70-130	20	04/10/2014 1438
4-Methyl-2-pentanone	100	93		1	93	4.2	60-134	20	04/10/2014 1438
Methylcyclohexane	50	41		1	82	7.0	41-144	20	04/10/2014 1438
Methylene chloride	50	39		1	78	5.8	70-130	20	04/10/2014 1438
Styrene	50	42		1	83	7.2	54-136	20	04/10/2014 1438
1,1,2,2-Tetrachloroethane	50	43		1	86	8.0	69-132	20	04/10/2014 1438
Toluene	50	40		1	80	2.6	61-129	20	04/10/2014 1438
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	91	9.8	49-136	20	04/10/2014 1438
1,2,4-Trichlorobenzene	50	42		1	83	2.7	34-145	20	04/10/2014 1438
1,1,2-Trichloroethane	50	40		1	80	2.7	55-128	20	04/10/2014 1438
1,1,1-Trichloroethane	50	39		1	78	8.9	63-128	20	04/10/2014 1438
Trichloroethene	50	40		1	79	7.5	62-126	20	04/10/2014 1438

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44517-003
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichlorofluoromethane	50	39		1	78	8.9	45-138	20	04/10/2014 1438
Vinyl chloride	50	38		1	75	14	42-132	20	04/10/2014 1438
Xylenes (total)	100	84		1	84	6.4	58-128	20	04/10/2014 1438

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44550-001
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/11/2014 0347
Benzene	ND		50	250	55	ug/kg	04/11/2014 0347
Bromodichloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
Bromoform	ND		50	250	35	ug/kg	04/11/2014 0347
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/11/2014 0347
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/11/2014 0347
Carbon disulfide	ND		50	250	65	ug/kg	04/11/2014 0347
Carbon tetrachloride	ND		50	250	90	ug/kg	04/11/2014 0347
Chlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Chloroethane	ND		50	250	65	ug/kg	04/11/2014 0347
Chloroform	ND		50	250	42	ug/kg	04/11/2014 0347
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/11/2014 0347
Cyclohexane	ND		50	250	34	ug/kg	04/11/2014 0347
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/11/2014 0347
Dibromochloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/11/2014 0347
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/11/2014 0347
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/11/2014 0347
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/11/2014 0347
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/11/2014 0347
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/11/2014 0347
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/11/2014 0347
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/11/2014 0347
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/11/2014 0347
Ethylbenzene	ND		50	250	85	ug/kg	04/11/2014 0347
2-Hexanone	ND		50	500	65	ug/kg	04/11/2014 0347
Isopropylbenzene	ND		50	250	12	ug/kg	04/11/2014 0347
Methyl acetate	ND		50	250	49	ug/kg	04/11/2014 0347
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/11/2014 0347
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/11/2014 0347
Methylcyclohexane	ND		50	250	21	ug/kg	04/11/2014 0347
Methylene chloride	ND		50	250	130	ug/kg	04/11/2014 0347
Styrene	ND		50	250	55	ug/kg	04/11/2014 0347
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/11/2014 0347
Toluene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/11/2014 0347
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/11/2014 0347
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/11/2014 0347
Trichloroethene	ND		50	250	95	ug/kg	04/11/2014 0347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44550-001
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/11/2014 0347
Vinyl chloride	ND		50	250	43	ug/kg	04/11/2014 0347
Xylenes (total)	ND		50	250	150	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44550-002
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	60	60-140	04/14/2014 1002
Benzene	2500	2400		50	95	69-123	04/14/2014 1002
Bromodichloromethane	2500	2400		50	95	69-121	04/14/2014 1002
Bromoform	2500	2300		50	92	61-119	04/14/2014 1002
Bromomethane (Methyl bromide)	2500	2300		50	92	10-168	04/14/2014 1002
2-Butanone (MEK)	5000	4500		50	91	57-148	04/14/2014 1002
Carbon disulfide	2500	2200		50	87	58-122	04/14/2014 1002
Carbon tetrachloride	2500	2500		50	102	58-136	04/14/2014 1002
Chlorobenzene	2500	2400		50	98	59-129	04/14/2014 1002
Chloroethane	2500	2200		50	89	42-163	04/14/2014 1002
Chloroform	2500	2300		50	93	71-125	04/14/2014 1002
Chloromethane (Methyl chloride)	2500	2100		50	83	34-134	04/14/2014 1002
Cyclohexane	2500	2400		50	96	53-139	04/14/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	97	55-125	04/14/2014 1002
Dibromochloromethane	2500	2400		50	97	66-119	04/14/2014 1002
1,2-Dibromoethane (EDB)	2500	2300		50	94	74-124	04/14/2014 1002
1,4-Dichlorobenzene	2500	2500		50	98	52-133	04/14/2014 1002
1,3-Dichlorobenzene	2500	2500		50	100	51-134	04/14/2014 1002
1,2-Dichlorobenzene	2500	2400		50	96	57-131	04/14/2014 1002
Dichlorodifluoromethane	2500	2000		50	80	10-157	04/14/2014 1002
1,2-Dichloroethane	2500	2300		50	90	67-129	04/14/2014 1002
1,1-Dichloroethane	2500	2400		50	95	71-127	04/14/2014 1002
trans-1,2-Dichloroethene	2500	2400		50	95	68-131	04/14/2014 1002
cis-1,2-Dichloroethene	2500	2300		50	94	70-122	04/14/2014 1002
1,1-Dichloroethene	2500	2400		50	97	69-138	04/14/2014 1002
1,2-Dichloropropane	2500	2400		50	95	72-124	04/14/2014 1002
trans-1,3-Dichloropropene	2500	2400		50	96	70-124	04/14/2014 1002
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/14/2014 1002
Ethylbenzene	2500	2500		50	102	59-128	04/14/2014 1002
2-Hexanone	5000	4600		50	93	54-137	04/14/2014 1002
Isopropylbenzene	2500	2700		50	110	50-136	04/14/2014 1002
Methyl acetate	2500	2400		50	96	59-137	04/14/2014 1002
Methyl tertiary butyl ether (MTBE)	2500	2300		50	90	70-130	04/14/2014 1002
4-Methyl-2-pentanone	5000	4700		50	93	60-134	04/14/2014 1002
Methylcyclohexane	2500	2500		50	101	41-144	04/14/2014 1002
Methylene chloride	2500	2200		50	90	70-130	04/14/2014 1002
Styrene	2500	2400		50	98	54-136	04/14/2014 1002
1,1,2,2-Tetrachloroethane	2500	2400		50	96	69-132	04/14/2014 1002
Toluene	2500	2400		50	96	61-129	04/14/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	114	49-136	04/14/2014 1002
1,2,4-Trichlorobenzene	2500	2300		50	94	34-145	04/14/2014 1002
1,1,2-Trichloroethane	2500	2300		50	93	55-128	04/14/2014 1002
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/14/2014 1002
Trichloroethene	2500	2400		50	98	62-126	04/14/2014 1002

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44550-002
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	2500	2700		50	109	45-138	04/14/2014 1002
Vinyl chloride	2500	2200		50	90	42-132	04/14/2014 1002
Xylenes (total)	5000	5000		50	100	58-128	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44550-003
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3100		50	62	3.2	60-140	20	04/14/2014 1025
Benzene	2500	2600		50	104	8.9	69-123	20	04/14/2014 1025
Bromodichloromethane	2500	2600		50	105	10	69-121	20	04/14/2014 1025
Bromoform	2500	2500		50	102	10	61-119	20	04/14/2014 1025
Bromomethane (Methyl bromide)	2500	2500		50	98	6.8	10-168	20	04/14/2014 1025
2-Butanone (MEK)	5000	4700		50	93	2.3	57-148	20	04/14/2014 1025
Carbon disulfide	2500	2300		50	92	5.8	58-122	20	04/14/2014 1025
Carbon tetrachloride	2500	2700		50	108	6.4	58-136	20	04/14/2014 1025
Chlorobenzene	2500	2700		50	107	9.4	59-129	20	04/14/2014 1025
Chloroethane	2500	2400		50	95	6.2	42-163	20	04/14/2014 1025
Chloroform	2500	2600		50	105	12	71-125	20	04/14/2014 1025
Chloromethane (Methyl chloride)	2500	2200		50	88	6.0	34-134	20	04/14/2014 1025
Cyclohexane	2500	2500		50	102	6.3	53-139	20	04/14/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	92	4.4	55-125	20	04/14/2014 1025
Dibromochloromethane	2500	2700		50	107	10	66-119	20	04/14/2014 1025
1,2-Dibromoethane (EDB)	2500	2600		50	103	9.7	74-124	20	04/14/2014 1025
1,4-Dichlorobenzene	2500	2600		50	106	7.8	52-133	20	04/14/2014 1025
1,3-Dichlorobenzene	2500	2700		50	108	7.6	51-134	20	04/14/2014 1025
1,2-Dichlorobenzene	2500	2600		50	105	9.5	57-131	20	04/14/2014 1025
Dichlorodifluoromethane	2500	2100		50	84	4.8	10-157	20	04/14/2014 1025
1,2-Dichloroethane	2500	2600		50	103	13	67-129	20	04/14/2014 1025
1,1-Dichloroethane	2500	2600		50	104	9.0	71-127	20	04/14/2014 1025
trans-1,2-Dichloroethene	2500	2600		50	103	8.4	68-131	20	04/14/2014 1025
cis-1,2-Dichloroethene	2500	2500		50	102	8.2	70-122	20	04/14/2014 1025
1,1-Dichloroethene	2500	2500		50	101	4.3	69-138	20	04/14/2014 1025
1,2-Dichloropropane	2500	2600		50	105	9.4	72-124	20	04/14/2014 1025
trans-1,3-Dichloropropene	2500	2700		50	106	11	70-124	20	04/14/2014 1025
cis-1,3-Dichloropropene	2500	2600		50	105	12	70-126	20	04/14/2014 1025
Ethylbenzene	2500	2700		50	109	6.7	59-128	20	04/14/2014 1025
2-Hexanone	5000	4800		50	95	2.5	54-137	20	04/14/2014 1025
Isopropylbenzene	2500	2800		50	114	3.9	50-136	20	04/14/2014 1025
Methyl acetate	2500	2500		50	101	5.9	59-137	20	04/14/2014 1025
Methyl tertiary butyl ether (MTBE)	2500	2500		50	99	9.3	70-130	20	04/14/2014 1025
4-Methyl-2-pentanone	5000	4800		50	96	2.8	60-134	20	04/14/2014 1025
Methylcyclohexane	2500	2700		50	109	7.1	41-144	20	04/14/2014 1025
Methylene chloride	2500	2400		50	98	8.5	70-130	20	04/14/2014 1025
Styrene	2500	2700		50	108	10	54-136	20	04/14/2014 1025
1,1,2,2-Tetrachloroethane	2500	2500		50	100	4.2	69-132	20	04/14/2014 1025
Toluene	2500	2600		50	103	7.6	61-129	20	04/14/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	6.6	49-136	20	04/14/2014 1025
1,2,4-Trichlorobenzene	2500	2600		50	103	9.3	34-145	20	04/14/2014 1025
1,1,2-Trichloroethane	2500	2600		50	102	9.7	55-128	20	04/14/2014 1025
1,1,1-Trichloroethane	2500	2700		50	107	5.8	63-128	20	04/14/2014 1025
Trichloroethene	2500	2700		50	108	10	62-126	20	04/14/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44550-003
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichlorofluoromethane	2500	2900		50	114	5.0	45-138	20	04/14/2014 1025
Vinyl chloride	2500	2300		50	93	3.5	42-132	20	04/14/2014 1025
Xylenes (total)	5000	5400		50	109	8.1	58-128	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44618-001
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/11/2014 1235
Benzene	ND		1	5.0	1.1	ug/kg	04/11/2014 1235
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
Bromoform	ND		1	5.0	0.70	ug/kg	04/11/2014 1235
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/11/2014 1235
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/11/2014 1235
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/11/2014 1235
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/11/2014 1235
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
Chloroethane	ND		1	5.0	1.3	ug/kg	04/11/2014 1235
Chloroform	ND		1	5.0	0.83	ug/kg	04/11/2014 1235
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/11/2014 1235
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/11/2014 1235
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/11/2014 1235
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/11/2014 1235
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/11/2014 1235
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/11/2014 1235
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/11/2014 1235
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/11/2014 1235
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/11/2014 1235
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/11/2014 1235
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/11/2014 1235
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/11/2014 1235
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
2-Hexanone	ND		1	10	1.3	ug/kg	04/11/2014 1235
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/11/2014 1235
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/11/2014 1235
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/11/2014 1235
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/11/2014 1235
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/11/2014 1235
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/11/2014 1235
Styrene	ND		1	5.0	1.1	ug/kg	04/11/2014 1235
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/11/2014 1235
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/11/2014 1235
Toluene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/11/2014 1235
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/11/2014 1235
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/11/2014 1235
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/11/2014 1235

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44618-001
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/11/2014 1235
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/11/2014 1235
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/11/2014 1235
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/11/2014 1235

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44618-002
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	66		1	66	60-140	04/11/2014 1059
Benzene	50	41		1	83	69-123	04/11/2014 1059
Bromodichloromethane	50	42		1	84	69-121	04/11/2014 1059
Bromoform	50	43		1	87	61-119	04/11/2014 1059
Bromomethane (Methyl bromide)	50	40		1	80	10-168	04/11/2014 1059
2-Butanone (MEK)	100	88		1	88	57-148	04/11/2014 1059
Carbon disulfide	50	40		1	81	58-122	04/11/2014 1059
Carbon tetrachloride	50	41		1	82	58-136	04/11/2014 1059
Chlorobenzene	50	41		1	83	59-129	04/11/2014 1059
Chloroethane	50	41		1	81	42-163	04/11/2014 1059
Chloroform	50	41		1	81	71-125	04/11/2014 1059
Chloromethane (Methyl chloride)	50	40		1	79	34-134	04/11/2014 1059
Cyclohexane	50	42		1	83	53-139	04/11/2014 1059
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	55-125	04/11/2014 1059
Dibromochloromethane	50	43		1	86	66-119	04/11/2014 1059
1,2-Dibromoethane (EDB)	50	42		1	84	74-124	04/11/2014 1059
1,2-Dichlorobenzene	50	42		1	84	57-131	04/11/2014 1059
1,4-Dichlorobenzene	50	42		1	85	52-133	04/11/2014 1059
1,3-Dichlorobenzene	50	42		1	83	51-134	04/11/2014 1059
Dichlorodifluoromethane	50	42		1	83	10-157	04/11/2014 1059
1,1-Dichloroethane	50	41		1	83	71-127	04/11/2014 1059
1,2-Dichloroethane	50	42		1	84	67-129	04/11/2014 1059
trans-1,2-Dichloroethene	50	42		1	83	68-131	04/11/2014 1059
1,1-Dichloroethene	50	42		1	83	69-138	04/11/2014 1059
cis-1,2-Dichloroethene	50	41		1	81	70-122	04/11/2014 1059
1,2-Dichloropropane	50	42		1	85	72-124	04/11/2014 1059
cis-1,3-Dichloropropene	50	43		1	86	70-126	04/11/2014 1059
trans-1,3-Dichloropropene	50	43		1	87	70-124	04/11/2014 1059
Ethylbenzene	50	41		1	83	59-128	04/11/2014 1059
2-Hexanone	100	90		1	90	54-137	04/11/2014 1059
Isopropylbenzene	50	44		1	87	50-136	04/11/2014 1059
Methyl acetate	50	47		1	94	59-137	04/11/2014 1059
Methyl tertiary butyl ether (MTBE)	50	42		1	84	70-130	04/11/2014 1059
4-Methyl-2-pentanone	100	91		1	91	60-134	04/11/2014 1059
Methylcyclohexane	50	42		1	84	41-144	04/11/2014 1059
Methylene chloride	50	41		1	81	70-130	04/11/2014 1059
Styrene	50	42		1	83	54-136	04/11/2014 1059
1,1,2,2-Tetrachloroethane	50	45		1	90	69-132	04/11/2014 1059
Tetrachloroethene	50	42		1	85	45-150	04/11/2014 1059
Toluene	50	41		1	82	61-129	04/11/2014 1059
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	99	49-136	04/11/2014 1059
1,2,4-Trichlorobenzene	50	40		1	81	34-145	04/11/2014 1059
1,1,2-Trichloroethane	50	43		1	87	55-128	04/11/2014 1059
1,1,1-Trichloroethane	50	42		1	83	63-128	04/11/2014 1059

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44618-002
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	41		1	83	62-126	04/11/2014 1059
Trichlorofluoromethane	50	43		1	87	45-138	04/11/2014 1059
Vinyl chloride	50	41		1	82	42-132	04/11/2014 1059
Xylenes (total)	100	84		1	84	58-128	04/11/2014 1059

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		116	47-138
1,2-Dichloroethane-d4		107	53-142
Toluene-d8		114	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44618-003
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	64		1	64	3.0	60-140	20	04/11/2014 1123
Benzene	50	37		1	74	11	69-123	20	04/11/2014 1123
Bromodichloromethane	50	39		1	77	8.8	69-121	20	04/11/2014 1123
Bromoform	50	41		1	81	6.4	61-119	20	04/11/2014 1123
Bromomethane (Methyl bromide)	50	35		1	70	13	10-168	20	04/11/2014 1123
2-Butanone (MEK)	100	84		1	84	3.8	57-148	20	04/11/2014 1123
Carbon disulfide	50	35		1	70	14	58-122	20	04/11/2014 1123
Carbon tetrachloride	50	36		1	73	13	58-136	20	04/11/2014 1123
Chlorobenzene	50	37		1	73	12	59-129	20	04/11/2014 1123
Chloroethane	50	34		1	69	17	42-163	20	04/11/2014 1123
Chloroform	50	37		1	73	11	71-125	20	04/11/2014 1123
Chloromethane (Methyl chloride)	50	35		1	70	12	34-134	20	04/11/2014 1123
Cyclohexane	50	35		1	71	16	53-139	20	04/11/2014 1123
1,2-Dibromo-3-chloropropane (DBCP)	50	40		1	80	8.4	55-125	20	04/11/2014 1123
Dibromochloromethane	50	41		1	82	5.6	66-119	20	04/11/2014 1123
1,2-Dibromoethane (EDB)	50	41		1	81	3.9	74-124	20	04/11/2014 1123
1,2-Dichlorobenzene	50	38		1	77	9.7	57-131	20	04/11/2014 1123
1,4-Dichlorobenzene	50	39		1	77	9.3	52-133	20	04/11/2014 1123
1,3-Dichlorobenzene	50	39		1	77	7.5	51-134	20	04/11/2014 1123
Dichlorodifluoromethane	50	36		1	71	16	10-157	20	04/11/2014 1123
1,1-Dichloroethane	50	36		1	73	13	71-127	20	04/11/2014 1123
1,2-Dichloroethane	50	39		1	77	8.0	67-129	20	04/11/2014 1123
trans-1,2-Dichloroethene	50	36		1	72	14	68-131	20	04/11/2014 1123
1,1-Dichloroethene	50	36		1	72	15	69-138	20	04/11/2014 1123
cis-1,2-Dichloroethene	50	36		1	73	11	70-122	20	04/11/2014 1123
1,2-Dichloropropane	50	38		1	76	10	72-124	20	04/11/2014 1123
cis-1,3-Dichloropropene	50	40		1	79	8.2	70-126	20	04/11/2014 1123
trans-1,3-Dichloropropene	50	40		1	81	7.3	70-124	20	04/11/2014 1123
Ethylbenzene	50	37		1	74	11	59-128	20	04/11/2014 1123
2-Hexanone	100	88		1	88	1.9	54-137	20	04/11/2014 1123
Isopropylbenzene	50	39		1	79	10	50-136	20	04/11/2014 1123
Methyl acetate	50	45		1	90	3.7	59-137	20	04/11/2014 1123
Methyl tertiary butyl ether (MTBE)	50	39		1	79	6.9	70-130	20	04/11/2014 1123
4-Methyl-2-pentanone	100	89		1	89	2.4	60-134	20	04/11/2014 1123
Methylcyclohexane	50	36		1	73	15	41-144	20	04/11/2014 1123
Methylene chloride	50	36		1	72	12	70-130	20	04/11/2014 1123
Styrene	50	38		1	76	9.2	54-136	20	04/11/2014 1123
1,1,2,2-Tetrachloroethane	50	44		1	88	1.9	69-132	20	04/11/2014 1123
Tetrachloroethene	50	37		1	74	13	45-150	20	04/11/2014 1123
Toluene	50	36		1	72	13	61-129	20	04/11/2014 1123
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	41		1	81	19	49-136	20	04/11/2014 1123
1,2,4-Trichlorobenzene	50	36		1	71	12	34-145	20	04/11/2014 1123
1,1,2-Trichloroethane	50	40		1	80	8.4	55-128	20	04/11/2014 1123
1,1,1-Trichloroethane	50	36		1	73	13	63-128	20	04/11/2014 1123

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44618-003
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	37		1	73	12	62-126	20	04/11/2014 1123
Trichlorofluoromethane	50	37		1	74	16	45-138	20	04/11/2014 1123
Vinyl chloride	50	35		1	70	17	42-132	20	04/11/2014 1123
Xylenes (total)	100	75		1	75	11	58-128	20	04/11/2014 1123

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD05008-018MS
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	150	60	N	1	42	60-140	04/11/2014 1853
Benzene	ND	73	47	N	1	65	69-123	04/11/2014 1853
Bromodichloromethane	ND	73	48	N	1	67	69-121	04/11/2014 1853
Bromoform	ND	73	48		1	66	61-119	04/11/2014 1853
Bromomethane (Methyl bromide)	ND	73	51		1	70	35-144	04/11/2014 1853
2-Butanone (MEK)	ND	150	100		1	70	57-148	04/11/2014 1853
Carbon disulfide	ND	73	49		1	68	58-122	04/11/2014 1853
Carbon tetrachloride	ND	73	54		1	75	58-136	04/11/2014 1853
Chlorobenzene	ND	73	45		1	61	59-129	04/11/2014 1853
Chloroethane	ND	73	51		1	70	50-132	04/11/2014 1853
Chloroform	ND	73	48	N	1	66	71-125	04/11/2014 1853
Chloromethane (Methyl chloride)	ND	73	51		1	70	34-134	04/11/2014 1853
Cyclohexane	ND	73	50		1	69	53-139	04/11/2014 1853
1,2-Dibromo-3-chloropropane (DBCP)	ND	73	49		1	68	55-125	04/11/2014 1853
Dibromochloromethane	ND	73	48		1	66	66-119	04/11/2014 1853
1,2-Dibromoethane (EDB)	ND	73	46	N	1	64	74-124	04/11/2014 1853
1,2-Dichlorobenzene	ND	73	41	N	1	56	57-131	04/11/2014 1853
1,3-Dichlorobenzene	ND	73	40		1	55	51-134	04/11/2014 1853
1,4-Dichlorobenzene	ND	73	38		1	53	52-133	04/11/2014 1853
Dichlorodifluoromethane	ND	73	56		1	77	10-157	04/11/2014 1853
1,1-Dichloroethane	ND	73	49	N	1	68	71-127	04/11/2014 1853
1,2-Dichloroethane	ND	73	49		1	68	67-129	04/11/2014 1853
1,1-Dichloroethene	ND	73	52		1	72	69-138	04/11/2014 1853
cis-1,2-Dichloroethene	ND	73	47	N	1	65	70-122	04/11/2014 1853
trans-1,2-Dichloroethene	ND	73	49		1	68	68-131	04/11/2014 1853
1,2-Dichloropropane	ND	73	46	N	1	64	72-124	04/11/2014 1853
cis-1,3-Dichloropropene	ND	73	45	N	1	62	70-126	04/11/2014 1853
trans-1,3-Dichloropropene	ND	73	46	N	1	63	70-124	04/11/2014 1853
Ethylbenzene	ND	73	44		1	61	59-128	04/11/2014 1853
2-Hexanone	ND	150	98		1	67	54-137	04/11/2014 1853
Isopropylbenzene	ND	73	48		1	66	50-136	04/11/2014 1853
Methyl acetate	ND	73	52		1	71	59-137	04/11/2014 1853
Methyl tertiary butyl ether (MTBE)	ND	73	46	N	1	63	70-130	04/11/2014 1853
4-Methyl-2-pentanone	ND	150	100		1	71	60-134	04/11/2014 1853
Methylcyclohexane	ND	73	49		1	68	41-144	04/11/2014 1853
Methylene chloride	ND	73	44	N	1	60	77-129	04/11/2014 1853
Styrene	ND	73	43		1	59	54-136	04/11/2014 1853
1,1,2,2-Tetrachloroethane	ND	73	48	N	1	66	69-132	04/11/2014 1853
Tetrachloroethene	0.80	73	49	N	1	67	70-130	04/11/2014 1853
Toluene	ND	73	44		1	61	61-129	04/11/2014 1853
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	73	61		1	84	49-136	04/11/2014 1853
1,2,4-Trichlorobenzene	ND	73	35		1	48	34-145	04/11/2014 1853
1,1,1-Trichloroethane	ND	73	54		1	75	63-128	04/11/2014 1853
1,1,2-Trichloroethane	ND	73	47		1	65	55-128	04/11/2014 1853

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD05008-018MS
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	73	48		1	67	62-126	04/11/2014 1853
Trichlorofluoromethane	ND	73	58		1	80	45-138	04/11/2014 1853
Vinyl chloride	ND	73	52		1	72	42-132	04/11/2014 1853
Xylenes (total)	ND	150	90		1	62	58-128	04/11/2014 1853

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		111	53-142
Bromofluorobenzene		111	47-138
Toluene-d8		107	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD05008-018MD
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	150	69	N	1	47	13	60-140	20	04/11/2014 1917
Benzene	ND	73	48	N	1	66	1.5	69-123	20	04/11/2014 1917
Bromodichloromethane	ND	73	49	N	1	67	0.99	69-121	20	04/11/2014 1917
Bromoform	ND	73	47		1	65	1.5	61-119	20	04/11/2014 1917
Bromomethane (Methyl bromide)	ND	73	51		1	70	0.67	35-144	20	04/11/2014 1917
2-Butanone (MEK)	ND	150	99		1	68	2.3	57-148	20	04/11/2014 1917
Carbon disulfide	ND	73	51		1	69	2.9	58-122	20	04/11/2014 1917
Carbon tetrachloride	ND	73	55		1	76	2.1	58-136	20	04/11/2014 1917
Chlorobenzene	ND	73	42	N	1	58	5.6	59-129	20	04/11/2014 1917
Chloroethane	ND	73	51		1	70	0.72	50-132	20	04/11/2014 1917
Chloroform	ND	73	50	N	1	68	3.5	71-125	20	04/11/2014 1917
Chloromethane (Methyl chloride)	ND	73	53		1	72	3.6	34-134	20	04/11/2014 1917
Cyclohexane	ND	73	51		1	70	1.8	53-139	20	04/11/2014 1917
1,2-Dibromo-3-chloropropane (DBCP)	ND	73	51		1	69	2.8	55-125	20	04/11/2014 1917
Dibromochloromethane	ND	73	49		1	66	1.2	66-119	20	04/11/2014 1917
1,2-Dibromoethane (EDB)	ND	73	47	N	1	64	0.60	74-124	20	04/11/2014 1917
1,2-Dichlorobenzene	ND	73	36	N	1	50	11	57-131	20	04/11/2014 1917
1,3-Dichlorobenzene	ND	73	35	N	1	47	13	51-134	20	04/11/2014 1917
1,4-Dichlorobenzene	ND	73	34	N	1	47	12	52-133	20	04/11/2014 1917
Dichlorodifluoromethane	ND	73	56		1	77	0.65	10-157	20	04/11/2014 1917
1,1-Dichloroethane	ND	73	50	N	1	69	2.3	71-127	20	04/11/2014 1917
1,2-Dichloroethane	ND	73	50		1	68	1.3	67-129	20	04/11/2014 1917
1,1-Dichloroethene	ND	73	54		1	74	3.6	69-138	20	04/11/2014 1917
cis-1,2-Dichloroethene	ND	73	48	N	1	65	0.93	70-122	20	04/11/2014 1917
trans-1,2-Dichloroethene	ND	73	51		1	69	3.3	68-131	20	04/11/2014 1917
1,2-Dichloropropane	ND	73	46	N	1	63	0.18	72-124	20	04/11/2014 1917
cis-1,3-Dichloropropene	ND	73	45	N	1	61	0.67	70-126	20	04/11/2014 1917
trans-1,3-Dichloropropene	ND	73	45	N	1	61	2.8	70-124	20	04/11/2014 1917
Ethylbenzene	ND	73	42	N	1	58	4.9	59-128	20	04/11/2014 1917
2-Hexanone	ND	150	100		1	69	3.6	54-137	20	04/11/2014 1917
Isopropylbenzene	ND	73	42		1	57	14	50-136	20	04/11/2014 1917
Methyl acetate	ND	73	56		1	77	7.7	59-137	20	04/11/2014 1917
Methyl tertiary butyl ether (MTBE)	ND	73	49	N	1	67	6.5	70-130	20	04/11/2014 1917
4-Methyl-2-pentanone	ND	150	110		1	72	2.7	60-134	20	04/11/2014 1917
Methylcyclohexane	ND	73	50		1	68	1.0	41-144	20	04/11/2014 1917
Methylene chloride	ND	73	47	N	1	65	7.4	77-129	20	04/11/2014 1917
Styrene	ND	73	40		1	54	8.0	54-136	20	04/11/2014 1917
1,1,2,2-Tetrachloroethane	ND	73	47	N	1	64	2.1	69-132	20	04/11/2014 1917
Tetrachloroethene	0.80	73	47	N	1	64	4.2	70-130	20	04/11/2014 1917
Toluene	ND	73	44		1	61	0.53	61-129	20	04/11/2014 1917
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	73	62		1	84	1.2	49-136	20	04/11/2014 1917
1,2,4-Trichlorobenzene	ND	73	28		1	39	20	34-145	20	04/11/2014 1917
1,1,1-Trichloroethane	ND	73	54		1	74	0.28	63-128	20	04/11/2014 1917
1,1,2-Trichloroethane	ND	73	46		1	63	3.1	55-128	20	04/11/2014 1917

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD05008-018MD
Batch: 44618
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	73	48		1	65	1.2	62-126	20	04/11/2014 1917
Trichlorofluoromethane	ND	73	57		1	78	0.68	45-138	20	04/11/2014 1917
Vinyl chloride	ND	73	55		1	76	6.2	42-132	20	04/11/2014 1917
Xylenes (total)	ND	150	83	N	1	56	8.3	58-128	20	04/11/2014 1917

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		113	53-142
Bromofluorobenzene		115	47-138
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44645-001
Batch: 44645
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/11/2014 0347
Benzene	ND		50	250	55	ug/kg	04/11/2014 0347
Bromodichloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
Bromoform	ND		50	250	35	ug/kg	04/11/2014 0347
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/11/2014 0347
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/11/2014 0347
Carbon disulfide	ND		50	250	65	ug/kg	04/11/2014 0347
Carbon tetrachloride	ND		50	250	90	ug/kg	04/11/2014 0347
Chlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Chloroethane	ND		50	250	65	ug/kg	04/11/2014 0347
Chloroform	ND		50	250	42	ug/kg	04/11/2014 0347
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/11/2014 0347
Cyclohexane	ND		50	250	34	ug/kg	04/11/2014 0347
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/11/2014 0347
Dibromochloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/11/2014 0347
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/11/2014 0347
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/11/2014 0347
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/11/2014 0347
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/11/2014 0347
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/11/2014 0347
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/11/2014 0347
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/11/2014 0347
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/11/2014 0347
Ethylbenzene	ND		50	250	85	ug/kg	04/11/2014 0347
2-Hexanone	ND		50	500	65	ug/kg	04/11/2014 0347
Isopropylbenzene	ND		50	250	12	ug/kg	04/11/2014 0347
Methyl acetate	ND		50	250	49	ug/kg	04/11/2014 0347
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/11/2014 0347
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/11/2014 0347
Methylcyclohexane	ND		50	250	21	ug/kg	04/11/2014 0347
Methylene chloride	ND		50	250	130	ug/kg	04/11/2014 0347
Styrene	ND		50	250	55	ug/kg	04/11/2014 0347
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/11/2014 0347
Tetrachloroethene	ND		50	250	25	ug/kg	04/11/2014 0347
Toluene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/11/2014 0347
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/11/2014 0347
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/11/2014 0347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44645-001
Batch: 44645
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/11/2014 0347
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/11/2014 0347
Vinyl chloride	ND		50	250	43	ug/kg	04/11/2014 0347
Xylenes (total)	ND		50	250	150	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44645-002
Batch: 44645
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	60	60-140	04/14/2014 1002
Benzene	2500	2400		50	95	69-123	04/14/2014 1002
Bromodichloromethane	2500	2400		50	95	69-121	04/14/2014 1002
Bromoform	2500	2300		50	92	61-119	04/14/2014 1002
Bromomethane (Methyl bromide)	2500	2300		50	92	10-168	04/14/2014 1002
2-Butanone (MEK)	5000	4500		50	91	57-148	04/14/2014 1002
Carbon disulfide	2500	2200		50	87	58-122	04/14/2014 1002
Carbon tetrachloride	2500	2500		50	102	58-136	04/14/2014 1002
Chlorobenzene	2500	2400		50	98	59-129	04/14/2014 1002
Chloroethane	2500	2200		50	89	42-163	04/14/2014 1002
Chloroform	2500	2300		50	93	71-125	04/14/2014 1002
Chloromethane (Methyl chloride)	2500	2100		50	83	34-134	04/14/2014 1002
Cyclohexane	2500	2400		50	96	53-139	04/14/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	97	55-125	04/14/2014 1002
Dibromochloromethane	2500	2400		50	97	66-119	04/14/2014 1002
1,2-Dibromoethane (EDB)	2500	2300		50	94	74-124	04/14/2014 1002
1,4-Dichlorobenzene	2500	2500		50	98	52-133	04/14/2014 1002
1,3-Dichlorobenzene	2500	2500		50	100	51-134	04/14/2014 1002
1,2-Dichlorobenzene	2500	2400		50	96	57-131	04/14/2014 1002
Dichlorodifluoromethane	2500	2000		50	80	10-157	04/14/2014 1002
1,2-Dichloroethane	2500	2300		50	90	67-129	04/14/2014 1002
1,1-Dichloroethane	2500	2400		50	95	71-127	04/14/2014 1002
trans-1,2-Dichloroethene	2500	2400		50	95	68-131	04/14/2014 1002
cis-1,2-Dichloroethene	2500	2300		50	94	70-122	04/14/2014 1002
1,1-Dichloroethene	2500	2400		50	97	69-138	04/14/2014 1002
1,2-Dichloropropane	2500	2400		50	95	72-124	04/14/2014 1002
trans-1,3-Dichloropropene	2500	2400		50	96	70-124	04/14/2014 1002
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/14/2014 1002
Ethylbenzene	2500	2500		50	102	59-128	04/14/2014 1002
2-Hexanone	5000	4600		50	93	54-137	04/14/2014 1002
Isopropylbenzene	2500	2700		50	110	50-136	04/14/2014 1002
Methyl acetate	2500	2400		50	96	59-137	04/14/2014 1002
Methyl tertiary butyl ether (MTBE)	2500	2300		50	90	70-130	04/14/2014 1002
4-Methyl-2-pentanone	5000	4700		50	93	60-134	04/14/2014 1002
Methylcyclohexane	2500	2500		50	101	41-144	04/14/2014 1002
Methylene chloride	2500	2200		50	90	70-130	04/14/2014 1002
Styrene	2500	2400		50	98	54-136	04/14/2014 1002
1,1,2,2-Tetrachloroethane	2500	2400		50	96	69-132	04/14/2014 1002
Tetrachloroethene	2500	2600		50	103	45-150	04/14/2014 1002
Toluene	2500	2400		50	96	61-129	04/14/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	114	49-136	04/14/2014 1002
1,2,4-Trichlorobenzene	2500	2300		50	94	34-145	04/14/2014 1002
1,1,2-Trichloroethane	2500	2300		50	93	55-128	04/14/2014 1002
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/14/2014 1002

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44645-002
Batch: 44645
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2400		50	98	62-126	04/14/2014 1002
Trichlorofluoromethane	2500	2700		50	109	45-138	04/14/2014 1002
Vinyl chloride	2500	2200		50	90	42-132	04/14/2014 1002
Xylenes (total)	5000	5000		50	100	58-128	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44645-003
Batch: 44645
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3100		50	62	3.2	60-140	20	04/14/2014 1025
Benzene	2500	2600		50	104	8.9	69-123	20	04/14/2014 1025
Bromodichloromethane	2500	2600		50	105	10	69-121	20	04/14/2014 1025
Bromoform	2500	2500		50	102	10	61-119	20	04/14/2014 1025
Bromomethane (Methyl bromide)	2500	2500		50	98	6.8	10-168	20	04/14/2014 1025
2-Butanone (MEK)	5000	4700		50	93	2.3	57-148	20	04/14/2014 1025
Carbon disulfide	2500	2300		50	92	5.8	58-122	20	04/14/2014 1025
Carbon tetrachloride	2500	2700		50	108	6.4	58-136	20	04/14/2014 1025
Chlorobenzene	2500	2700		50	107	9.4	59-129	20	04/14/2014 1025
Chloroethane	2500	2400		50	95	6.2	42-163	20	04/14/2014 1025
Chloroform	2500	2600		50	105	12	71-125	20	04/14/2014 1025
Chloromethane (Methyl chloride)	2500	2200		50	88	6.0	34-134	20	04/14/2014 1025
Cyclohexane	2500	2500		50	102	6.3	53-139	20	04/14/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	92	4.4	55-125	20	04/14/2014 1025
Dibromochloromethane	2500	2700		50	107	10	66-119	20	04/14/2014 1025
1,2-Dibromoethane (EDB)	2500	2600		50	103	9.7	74-124	20	04/14/2014 1025
1,4-Dichlorobenzene	2500	2600		50	106	7.8	52-133	20	04/14/2014 1025
1,3-Dichlorobenzene	2500	2700		50	108	7.6	51-134	20	04/14/2014 1025
1,2-Dichlorobenzene	2500	2600		50	105	9.5	57-131	20	04/14/2014 1025
Dichlorodifluoromethane	2500	2100		50	84	4.8	10-157	20	04/14/2014 1025
1,2-Dichloroethane	2500	2600		50	103	13	67-129	20	04/14/2014 1025
1,1-Dichloroethane	2500	2600		50	104	9.0	71-127	20	04/14/2014 1025
trans-1,2-Dichloroethene	2500	2600		50	103	8.4	68-131	20	04/14/2014 1025
cis-1,2-Dichloroethene	2500	2500		50	102	8.2	70-122	20	04/14/2014 1025
1,1-Dichloroethene	2500	2500		50	101	4.3	69-138	20	04/14/2014 1025
1,2-Dichloropropane	2500	2600		50	105	9.4	72-124	20	04/14/2014 1025
trans-1,3-Dichloropropene	2500	2700		50	106	11	70-124	20	04/14/2014 1025
cis-1,3-Dichloropropene	2500	2600		50	105	12	70-126	20	04/14/2014 1025
Ethylbenzene	2500	2700		50	109	6.7	59-128	20	04/14/2014 1025
2-Hexanone	5000	4800		50	95	2.5	54-137	20	04/14/2014 1025
Isopropylbenzene	2500	2800		50	114	3.9	50-136	20	04/14/2014 1025
Methyl acetate	2500	2500		50	101	5.9	59-137	20	04/14/2014 1025
Methyl tertiary butyl ether (MTBE)	2500	2500		50	99	9.3	70-130	20	04/14/2014 1025
4-Methyl-2-pentanone	5000	4800		50	96	2.8	60-134	20	04/14/2014 1025
Methylcyclohexane	2500	2700		50	109	7.1	41-144	20	04/14/2014 1025
Methylene chloride	2500	2400		50	98	8.5	70-130	20	04/14/2014 1025
Styrene	2500	2700		50	108	10	54-136	20	04/14/2014 1025
1,1,2,2-Tetrachloroethane	2500	2500		50	100	4.2	69-132	20	04/14/2014 1025
Tetrachloroethene	2500	2700		50	109	5.6	45-150	20	04/14/2014 1025
Toluene	2500	2600		50	103	7.6	61-129	20	04/14/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	6.6	49-136	20	04/14/2014 1025
1,2,4-Trichlorobenzene	2500	2600		50	103	9.3	34-145	20	04/14/2014 1025
1,1,2-Trichloroethane	2500	2600		50	102	9.7	55-128	20	04/14/2014 1025
1,1,1-Trichloroethane	2500	2700		50	107	5.8	63-128	20	04/14/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44645-003
Batch: 44645
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2700		50	108	10	62-126	20	04/14/2014 1025
Trichlorofluoromethane	2500	2900		50	114	5.0	45-138	20	04/14/2014 1025
Vinyl chloride	2500	2300		50	93	3.5	42-132	20	04/14/2014 1025
Xylenes (total)	5000	5400		50	109	8.1	58-128	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44762-001
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/11/2014 0347
Benzene	ND		50	250	55	ug/kg	04/11/2014 0347
Bromodichloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
Bromoform	ND		50	250	35	ug/kg	04/11/2014 0347
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/11/2014 0347
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/11/2014 0347
Carbon disulfide	ND		50	250	65	ug/kg	04/11/2014 0347
Carbon tetrachloride	ND		50	250	90	ug/kg	04/11/2014 0347
Chlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Chloroethane	ND		50	250	65	ug/kg	04/11/2014 0347
Chloroform	ND		50	250	42	ug/kg	04/11/2014 0347
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/11/2014 0347
Cyclohexane	ND		50	250	34	ug/kg	04/11/2014 0347
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/11/2014 0347
Dibromochloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/11/2014 0347
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/11/2014 0347
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/11/2014 0347
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/11/2014 0347
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/11/2014 0347
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/11/2014 0347
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/11/2014 0347
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/11/2014 0347
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/11/2014 0347
Ethylbenzene	ND		50	250	85	ug/kg	04/11/2014 0347
2-Hexanone	ND		50	500	65	ug/kg	04/11/2014 0347
Isopropylbenzene	ND		50	250	12	ug/kg	04/11/2014 0347
Methyl acetate	ND		50	250	49	ug/kg	04/11/2014 0347
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/11/2014 0347
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/11/2014 0347
Methylcyclohexane	ND		50	250	21	ug/kg	04/11/2014 0347
Methylene chloride	ND		50	250	130	ug/kg	04/11/2014 0347
Styrene	ND		50	250	55	ug/kg	04/11/2014 0347
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/11/2014 0347
Tetrachloroethene	ND		50	250	25	ug/kg	04/11/2014 0347
Toluene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/11/2014 0347
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/11/2014 0347
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/11/2014 0347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44762-001
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/11/2014 0347
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/11/2014 0347
Vinyl chloride	ND		50	250	43	ug/kg	04/11/2014 0347
Xylenes (total)	ND		50	250	150	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44762-002
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	60	60-140	04/14/2014 1002
Benzene	2500	2400		50	95	69-123	04/14/2014 1002
Bromodichloromethane	2500	2400		50	95	69-121	04/14/2014 1002
Bromoform	2500	2300		50	92	61-119	04/14/2014 1002
Bromomethane (Methyl bromide)	2500	2300		50	92	10-168	04/14/2014 1002
2-Butanone (MEK)	5000	4500		50	91	57-148	04/14/2014 1002
Carbon disulfide	2500	2200		50	87	58-122	04/14/2014 1002
Carbon tetrachloride	2500	2500		50	102	58-136	04/14/2014 1002
Chlorobenzene	2500	2400		50	98	59-129	04/14/2014 1002
Chloroethane	2500	2200		50	89	42-163	04/14/2014 1002
Chloroform	2500	2300		50	93	71-125	04/14/2014 1002
Chloromethane (Methyl chloride)	2500	2100		50	83	34-134	04/14/2014 1002
Cyclohexane	2500	2400		50	96	53-139	04/14/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	97	55-125	04/14/2014 1002
Dibromochloromethane	2500	2400		50	97	66-119	04/14/2014 1002
1,2-Dibromoethane (EDB)	2500	2300		50	94	74-124	04/14/2014 1002
1,4-Dichlorobenzene	2500	2500		50	98	52-133	04/14/2014 1002
1,3-Dichlorobenzene	2500	2500		50	100	51-134	04/14/2014 1002
1,2-Dichlorobenzene	2500	2400		50	96	57-131	04/14/2014 1002
Dichlorodifluoromethane	2500	2000		50	80	10-157	04/14/2014 1002
1,2-Dichloroethane	2500	2300		50	90	67-129	04/14/2014 1002
1,1-Dichloroethane	2500	2400		50	95	71-127	04/14/2014 1002
trans-1,2-Dichloroethene	2500	2400		50	95	68-131	04/14/2014 1002
cis-1,2-Dichloroethene	2500	2300		50	94	70-122	04/14/2014 1002
1,1-Dichloroethene	2500	2400		50	97	69-138	04/14/2014 1002
1,2-Dichloropropane	2500	2400		50	95	72-124	04/14/2014 1002
trans-1,3-Dichloropropene	2500	2400		50	96	70-124	04/14/2014 1002
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/14/2014 1002
Ethylbenzene	2500	2500		50	102	59-128	04/14/2014 1002
2-Hexanone	5000	4600		50	93	54-137	04/14/2014 1002
Isopropylbenzene	2500	2700		50	110	50-136	04/14/2014 1002
Methyl acetate	2500	2400		50	96	59-137	04/14/2014 1002
Methyl tertiary butyl ether (MTBE)	2500	2300		50	90	70-130	04/14/2014 1002
4-Methyl-2-pentanone	5000	4700		50	93	60-134	04/14/2014 1002
Methylcyclohexane	2500	2500		50	101	41-144	04/14/2014 1002
Methylene chloride	2500	2200		50	90	70-130	04/14/2014 1002
Styrene	2500	2400		50	98	54-136	04/14/2014 1002
1,1,2,2-Tetrachloroethane	2500	2400		50	96	69-132	04/14/2014 1002
Tetrachloroethene	2500	2600		50	103	45-150	04/14/2014 1002
Toluene	2500	2400		50	96	61-129	04/14/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	114	49-136	04/14/2014 1002
1,2,4-Trichlorobenzene	2500	2300		50	94	34-145	04/14/2014 1002
1,1,2-Trichloroethane	2500	2300		50	93	55-128	04/14/2014 1002
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/14/2014 1002

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44762-002
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2400		50	98	62-126	04/14/2014 1002
Trichlorofluoromethane	2500	2700		50	109	45-138	04/14/2014 1002
Vinyl chloride	2500	2200		50	90	42-132	04/14/2014 1002
Xylenes (total)	5000	5000		50	100	58-128	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44762-003
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3100		50	62	3.2	60-140	20	04/14/2014 1025
Benzene	2500	2600		50	104	8.9	69-123	20	04/14/2014 1025
Bromodichloromethane	2500	2600		50	105	10	69-121	20	04/14/2014 1025
Bromoform	2500	2500		50	102	10	61-119	20	04/14/2014 1025
Bromomethane (Methyl bromide)	2500	2500		50	98	6.8	10-168	20	04/14/2014 1025
2-Butanone (MEK)	5000	4700		50	93	2.3	57-148	20	04/14/2014 1025
Carbon disulfide	2500	2300		50	92	5.8	58-122	20	04/14/2014 1025
Carbon tetrachloride	2500	2700		50	108	6.4	58-136	20	04/14/2014 1025
Chlorobenzene	2500	2700		50	107	9.4	59-129	20	04/14/2014 1025
Chloroethane	2500	2400		50	95	6.2	42-163	20	04/14/2014 1025
Chloroform	2500	2600		50	105	12	71-125	20	04/14/2014 1025
Chloromethane (Methyl chloride)	2500	2200		50	88	6.0	34-134	20	04/14/2014 1025
Cyclohexane	2500	2500		50	102	6.3	53-139	20	04/14/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	92	4.4	55-125	20	04/14/2014 1025
Dibromochloromethane	2500	2700		50	107	10	66-119	20	04/14/2014 1025
1,2-Dibromoethane (EDB)	2500	2600		50	103	9.7	74-124	20	04/14/2014 1025
1,4-Dichlorobenzene	2500	2600		50	106	7.8	52-133	20	04/14/2014 1025
1,3-Dichlorobenzene	2500	2700		50	108	7.6	51-134	20	04/14/2014 1025
1,2-Dichlorobenzene	2500	2600		50	105	9.5	57-131	20	04/14/2014 1025
Dichlorodifluoromethane	2500	2100		50	84	4.8	10-157	20	04/14/2014 1025
1,2-Dichloroethane	2500	2600		50	103	13	67-129	20	04/14/2014 1025
1,1-Dichloroethane	2500	2600		50	104	9.0	71-127	20	04/14/2014 1025
trans-1,2-Dichloroethene	2500	2600		50	103	8.4	68-131	20	04/14/2014 1025
cis-1,2-Dichloroethene	2500	2500		50	102	8.2	70-122	20	04/14/2014 1025
1,1-Dichloroethene	2500	2500		50	101	4.3	69-138	20	04/14/2014 1025
1,2-Dichloropropane	2500	2600		50	105	9.4	72-124	20	04/14/2014 1025
trans-1,3-Dichloropropene	2500	2700		50	106	11	70-124	20	04/14/2014 1025
cis-1,3-Dichloropropene	2500	2600		50	105	12	70-126	20	04/14/2014 1025
Ethylbenzene	2500	2700		50	109	6.7	59-128	20	04/14/2014 1025
2-Hexanone	5000	4800		50	95	2.5	54-137	20	04/14/2014 1025
Isopropylbenzene	2500	2800		50	114	3.9	50-136	20	04/14/2014 1025
Methyl acetate	2500	2500		50	101	5.9	59-137	20	04/14/2014 1025
Methyl tertiary butyl ether (MTBE)	2500	2500		50	99	9.3	70-130	20	04/14/2014 1025
4-Methyl-2-pentanone	5000	4800		50	96	2.8	60-134	20	04/14/2014 1025
Methylcyclohexane	2500	2700		50	109	7.1	41-144	20	04/14/2014 1025
Methylene chloride	2500	2400		50	98	8.5	70-130	20	04/14/2014 1025
Styrene	2500	2700		50	108	10	54-136	20	04/14/2014 1025
1,1,2,2-Tetrachloroethane	2500	2500		50	100	4.2	69-132	20	04/14/2014 1025
Tetrachloroethene	2500	2700		50	109	5.6	45-150	20	04/14/2014 1025
Toluene	2500	2600		50	103	7.6	61-129	20	04/14/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	6.6	49-136	20	04/14/2014 1025
1,2,4-Trichlorobenzene	2500	2600		50	103	9.3	34-145	20	04/14/2014 1025
1,1,2-Trichloroethane	2500	2600		50	102	9.7	55-128	20	04/14/2014 1025
1,1,1-Trichloroethane	2500	2700		50	107	5.8	63-128	20	04/14/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44762-003
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2700		50	108	10	62-126	20	04/14/2014 1025
Trichlorofluoromethane	2500	2900		50	114	5.0	45-138	20	04/14/2014 1025
Vinyl chloride	2500	2300		50	93	3.5	42-132	20	04/14/2014 1025
Xylenes (total)	5000	5400		50	109	8.1	58-128	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ44240-001
Batch: 44240
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/08/2014 1021

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	04/08/2014 1607
Acenaphthylene	ND		1	330	13	ug/kg	04/08/2014 1607
Anthracene	ND		1	330	15	ug/kg	04/08/2014 1607
Benzo(a)anthracene	ND		1	330	11	ug/kg	04/08/2014 1607
Benzo(a)pyrene	ND		1	330	24	ug/kg	04/08/2014 1607
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	04/08/2014 1607
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	04/08/2014 1607
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	04/08/2014 1607
Chrysene	ND		1	330	10	ug/kg	04/08/2014 1607
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	04/08/2014 1607
Fluoranthene	ND		1	330	10	ug/kg	04/08/2014 1607
Fluorene	ND		1	330	13	ug/kg	04/08/2014 1607
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	04/08/2014 1607
Naphthalene	ND		1	330	14	ug/kg	04/08/2014 1607
Phenanthrene	ND		1	330	13	ug/kg	04/08/2014 1607
Pyrene	ND		1	330	14	ug/kg	04/08/2014 1607

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		83	33-102
Nitrobenzene-d5		73	22-109
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44240-002
Batch: 44240
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/08/2014 1021

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2900		1	88	46-114	04/08/2014 1633
Acenaphthylene	3300	3600		1	107	44-122	04/08/2014 1633
Anthracene	3300	2900		1	87	50-119	04/08/2014 1633
Benzo(a)anthracene	3300	2800		1	84	47-121	04/08/2014 1633
Benzo(a)pyrene	3300	3100		1	92	55-134	04/08/2014 1633
Benzo(b)fluoranthene	3300	3000		1	90	28-139	04/08/2014 1633
Benzo(g,h,i)perylene	3300	2800		1	85	36-125	04/08/2014 1633
Benzo(k)fluoranthene	3300	3200		1	95	47-130	04/08/2014 1633
Chrysene	3300	2700		1	80	45-126	04/08/2014 1633
Dibenzo(a,h)anthracene	3300	3000		1	90	45-122	04/08/2014 1633
Fluoranthene	3300	2900		1	87	50-123	04/08/2014 1633
Fluorene	3300	2900		1	87	48-117	04/08/2014 1633
Indeno(1,2,3-c,d)pyrene	3300	2900		1	88	45-123	04/08/2014 1633
Naphthalene	3300	2800		1	84	36-110	04/08/2014 1633
Phenanthrene	3300	2900		1	86	49-117	04/08/2014 1633
Pyrene	3300	2800		1	84	47-119	04/08/2014 1633

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		89	33-102
Nitrobenzene-d5		84	22-109
Terphenyl-d14		92	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ44487-001
Batch: 44487
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/10/2014 1528

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	04/11/2014 1009
Acenaphthylene	ND		1	330	13	ug/kg	04/11/2014 1009
Anthracene	ND		1	330	15	ug/kg	04/11/2014 1009
Benzo(a)anthracene	ND		1	330	11	ug/kg	04/11/2014 1009
Benzo(a)pyrene	ND		1	330	24	ug/kg	04/11/2014 1009
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	04/11/2014 1009
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	04/11/2014 1009
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	04/11/2014 1009
Chrysene	ND		1	330	10	ug/kg	04/11/2014 1009
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	04/11/2014 1009
Fluoranthene	ND		1	330	10	ug/kg	04/11/2014 1009
Fluorene	ND		1	330	13	ug/kg	04/11/2014 1009
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	04/11/2014 1009
Naphthalene	ND		1	330	14	ug/kg	04/11/2014 1009
Phenanthrene	ND		1	330	13	ug/kg	04/11/2014 1009
Pyrene	ND		1	330	14	ug/kg	04/11/2014 1009

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		91	33-102
Nitrobenzene-d5		83	22-109
Terphenyl-d14		94	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44487-002
Batch: 44487
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/10/2014 1528

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2900		1	87	46-114	04/11/2014 1035
Acenaphthylene	3300	3500		1	105	44-122	04/11/2014 1035
Anthracene	3300	3000		1	91	50-119	04/11/2014 1035
Benzo(a)anthracene	3300	2900		1	87	47-121	04/11/2014 1035
Benzo(a)pyrene	3300	3100		1	93	55-134	04/11/2014 1035
Benzo(b)fluoranthene	3300	3100		1	93	28-139	04/11/2014 1035
Benzo(g,h,i)perylene	3300	2800		1	84	36-125	04/11/2014 1035
Benzo(k)fluoranthene	3300	3100		1	93	47-130	04/11/2014 1035
Chrysene	3300	2800		1	85	45-126	04/11/2014 1035
Dibenzo(a,h)anthracene	3300	3000		1	89	45-122	04/11/2014 1035
Fluoranthene	3300	3000		1	89	50-123	04/11/2014 1035
Fluorene	3300	2900		1	86	48-117	04/11/2014 1035
Indeno(1,2,3-c,d)pyrene	3300	3000		1	89	45-123	04/11/2014 1035
Naphthalene	3300	2700		1	82	36-110	04/11/2014 1035
Phenanthrene	3300	2900		1	88	49-117	04/11/2014 1035
Pyrene	3300	2900		1	86	47-119	04/11/2014 1035

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		85	33-102
Nitrobenzene-d5		84	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: PD05008-018MS
Batch: 44487
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/10/2014 1528

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	4500	3800		1	86	30-130	04/11/2014 1618
Acenaphthylene	ND	4500	4600		1	103	30-130	04/11/2014 1618
Anthracene	ND	4500	4000		1	89	30-130	04/11/2014 1618
Benzo(a)anthracene	ND	4500	3800		1	85	30-130	04/11/2014 1618
Benzo(a)pyrene	ND	4500	4100		1	92	30-130	04/11/2014 1618
Benzo(b)fluoranthene	ND	4500	4100		1	92	30-130	04/11/2014 1618
Benzo(g,h,i)perylene	ND	4500	3400		1	76	30-130	04/11/2014 1618
Benzo(k)fluoranthene	ND	4500	4200		1	93	30-130	04/11/2014 1618
Chrysene	ND	4500	3800		1	84	30-130	04/11/2014 1618
Dibenzo(a,h)anthracene	ND	4500	3700		1	82	30-130	04/11/2014 1618
Fluoranthene	ND	4500	3900		1	88	30-130	04/11/2014 1618
Fluorene	ND	4500	3800		1	85	30-130	04/11/2014 1618
Indeno(1,2,3-c,d)pyrene	ND	4500	3700		1	83	30-130	04/11/2014 1618
Naphthalene	ND	4500	3400		1	76	30-130	04/11/2014 1618
Phenanthrene	ND	4500	3900		1	86	30-130	04/11/2014 1618
Pyrene	ND	4500	3800		1	85	30-130	04/11/2014 1618

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		81	33-102
Nitrobenzene-d5		77	22-109
Terphenyl-d14		92	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: PD05008-018MD
Batch: 44487
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/10/2014 1528

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	4400	3500		1	78	11	30-130	40	04/14/2014 1053
Acenaphthylene	ND	4400	4200		1	94	10	30-130	40	04/14/2014 1053
Anthracene	ND	4400	3700		1	84	7.1	30-130	40	04/14/2014 1053
Benzo(a)anthracene	ND	4400	3500		1	79	9.1	30-130	40	04/14/2014 1053
Benzo(a)pyrene	ND	4400	3900		1	87	5.9	30-130	40	04/14/2014 1053
Benzo(b)fluoranthene	ND	4400	3800		1	86	7.5	30-130	40	04/14/2014 1053
Benzo(g,h,i)perylene	ND	4400	3600		1	80	4.4	30-130	40	04/14/2014 1053
Benzo(k)fluoranthene	ND	4400	3400		1	77	20	30-130	40	04/14/2014 1053
Chrysene	ND	4400	3400		1	77	10	30-130	40	04/14/2014 1053
Dibenzo(a,h)anthracene	ND	4400	3800		1	85	1.7	30-130	40	04/14/2014 1053
Fluoranthene	ND	4400	3600		1	81	8.6	30-130	40	04/14/2014 1053
Fluorene	ND	4400	3500		1	78	9.7	30-130	40	04/14/2014 1053
Indeno(1,2,3-c,d)pyrene	ND	4400	3700		1	84	0.67	30-130	40	04/14/2014 1053
Naphthalene	ND	4400	3100		1	69	10	30-130	40	04/14/2014 1053
Phenanthrene	ND	4400	3600		1	81	7.9	30-130	40	04/14/2014 1053
Pyrene	ND	4400	3500		1	79	8.8	30-130	40	04/14/2014 1053

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		73	33-102
Nitrobenzene-d5		69	22-109
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
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Telephone No. (803) 791-9700 Fax No. (803) 791-9111
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SHEALY

Chain of Custody Record

Number 19185

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: ___ of ___
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name: Itron			
Project Number: 337645879.00001	P.O Number:		Lot No.: PD05008

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	8270 PAHs	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative	Remarks / Cooler ID
									4	1	1				
									A	M	L				
									1	1	1				
SB-46 (3-4')	4/3/14	1345	G				✓		✓	✓	✓				
SB-46 (15-16')		1355					✓		✓	✓	✓				
SB-46 (25-26')		1405					✓		✓	✓	✓				
SB-47 (0-1')		1455					✓		✓	✓	✓				
SB-47 (6-7')		1505					✓		✓	✓	✓				
SB-47 (24-25')		1515					✓		✓	✓	✓				
SB-48 (2-3')		1535					✓		✓	✓	✓				
SB-48 (14-15')		1545					✓		✓	✓	✓				
SB-48 (25-26')		1555					✓		✓	✓	✓				
SB-49 (3-4')	↓	1620	↓				✓		✓	✓	✓				

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	4/4/14	1350	1. Received by	4/4/14	1350
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by	4/4/14	1607	4. Laboratory Received by: Kelly WR	4-4-14	1607

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ✓Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.1 °C — Temp. Blank ☐ Y / ✓N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
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West Columbia, South Carolina 29172
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Chain of Custody Record

Number 19186

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Marc McFarland	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
128 Millport Cir. Ste. 100	864-527-4737 aaron.council@urs.com		2 of 3
City / State / Zip Code	**Preservative**		**Number of Containers**
Greenville / SC / 29607	1. Unpres. 4. HNO3 7. NaOH	4 1 1	**Bottle (See Instructions on back)**
Project Name	2. NaOH/ZnA 5. HCL	A M L	**Preservative**
Itron	3. H2SO4 6. Na Thio.	1 1 1	**Lot No.** PD05008

Project Number	P.O Number
33764587.00001	

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270 PAHs	% solids	Remarks / Cooler ID
SB-49 (12-13')	4/3/14	1630	G				✓		✓	✓	✓	
SB-49 (23-24')	4/3/14	1640					✓		✓	✓	✓	
SB-51 (2-3')	4/3/14	1700					✓		✓	✓	✓	
SB-51 (9-10')	4/3/14						✓		✓	✓	✓	
SB-51 (23-24')	4/3/14						✓		✓	✓	✓	
SB-53 (1-2')	4/2/14	1630					✓		✓	✓	✓	
SB-53 (24-25')	4/2/14	1640					✓		✓	✓	✓	
SB-55 (11-12')	4/4/14	0925					✓		✓	✓	✓	
MS/MSD	4/4/14	0925					✓		✓	✓	✓	
SB-55 (24-25')	4/4/14	0935	↓				✓		✓	✓	✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/4/14	1350	1. Received by	4/4/14	1350
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	4/4/14	1607	4. Laboratory Received by	4-4-14	1607

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack Receipt Temp. 2.1 °C Temp. Blank ☐ Y / ☑ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 19187

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 3 of 3
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 33764587.00001	P.O Number:		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270 PAHs	% solids	Number of Containers	Bottle (See instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
									4	1	1					
									A	M	L					
									1	1	1					
DUP-4	4/4/14	0940							✓	✓	✓				PD05008	

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by (Sampler): Aaron B. Council	4/4/14	1350	1. Received by:	4/04/14	1350
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	4/4/14	1607	4. Laboratory Received by: Kelly	4-4-14	1607

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.1 °C — Temp. Blank ☐ Y / ✓ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP 4-5-14 Lot #: PD05008

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 1574/2.0/2.1 °C ___/___/___ °C ___/___/___ °C ___/___/___ °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☑	COC 4-5-14	8. Was collection date & time listed on the COC?
Yes ☑	No ☑	KWP 4-5-14	9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☐	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____were received with bubbles >6 mm in diameter.			
Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: KWP Verified by:_____ Date: 4-5-14			

Comments:
-014, -015 no time on COC got time from bottles

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PD05007

Date Completed: 04/17/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PD05007

Case Narrative
URS Corporation
Lot Number: PD05007

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receiving

A Trip Blank was received but was not listed on the COC. Per client request, the trip blank was logged in as sample -020 and analyzed for VOCs.

Samples -011 and -012 were received, but were marked "Hold" on the COC. Client requested that sample -011 be analyzed for 8260 VOCs. No analyses were performe don sample -012.

VOCs by GC/MS

Due to large detections of target compounds, samples -014, -016, -017, -018, and -019 were all diluted 1,000X or greater. These large dilutions caused multiple surrogates to recover outside of method criteria. No corrective action was required as it is known that dilutions of 5X and greater may impact surrogate recoveries.

The relative percent difference (RPD) between the LCS and LCSD associated with batch 44328 recovered five compounds outside of method criteria. These compounds have been qualified with a "+". No corrective action was performed as all recoveries were within acceptable ranges.

Due to suspected matrix interferences the RPD between the MS and MSD in batch 44517 recovered outside of method criteria for eleven compounds. These compounds are qualified with a "+". The LCS and LCSD met all RPD criteria further suggesting matrix interferences impacted RPD between the MS/MSD

SVOCs by GC/MS

Due to matrix interferences, a 10X dilution was performed on sample -016. All target compounds were non-detect at this dilution.

Sample Summary
URS Corporation
Lot Number: PD05007

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-29A(3-4')	Solid	04/02/2014 1450	04/04/2014
002	SB-29A(14-15')	Solid	04/02/2014 1455	04/04/2014
003	SB-33A(17-18')	Solid	04/02/2014 1400	04/04/2014
004	SB-33A(22-23')	Solid	04/02/2014 1410	04/04/2014
005	SB-35(7-8')	Solid	04/02/2014 1330	04/04/2014
006	SB-35(17-18')	Solid	04/02/2014 1340	04/04/2014
007	SB-35(25-26')	Solid	04/02/2014 1350	04/04/2014
008	SB-36(5-6')	Solid	04/02/2014 1515	04/04/2014
009	SB-36(18-19')	Solid	04/02/2014 1525	04/04/2014
010	SB-36(26-27')	Solid	04/02/2014 1535	04/04/2014
011	SB-34(17-18')	Solid	04/02/2014 1115	04/04/2014
012	SB-53(9-10')	Solid	04/02/2014 1650	04/04/2014
013	SB-44(11-12')	Solid	04/03/2014 1100	04/04/2014
014	SB-44(24-25')	Solid	04/03/2014 1110	04/04/2014
015	SB-45(0-1')	Solid	04/03/2014 1205	04/04/2014
016	SB-45(3-4')	Solid	04/03/2014 1215	04/04/2014
017	SB-45(15-16')	Solid	04/03/2014 1225	04/04/2014
018	SB-45(21-22')	Solid	04/03/2014 1235	04/04/2014
019	DUP-3	Solid	04/03/2014 1230	04/04/2014
020	Trip Blank	Aqueous	04/03/2014	04/04/2014

(20 samples)

Executive Summary
URS Corporation
Lot Number: PD05007

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-29A(3-4')	Solid	Tetrachloroethene	8260B	950		ug/kg	5
002	SB-29A(14-15')	Solid	Tetrachloroethene	8260B	73	J	ug/kg	7
003	SB-33A(17-18')	Solid	Tetrachloroethene	8260B	620		ug/kg	9
004	SB-33A(22-23')	Solid	Tetrachloroethene	8260B	97		ug/kg	11
005	SB-35(7-8')	Solid	Tetrachloroethene	8260B	40		ug/kg	13
006	SB-35(17-18')	Solid	Tetrachloroethene	8260B	1100		ug/kg	15
007	SB-35(25-26')	Solid	Tetrachloroethene	8260B	380		ug/kg	17
009	SB-36(18-19')	Solid	Tetrachloroethene	8260B	0.67	J	ug/kg	21
010	SB-36(26-27')	Solid	Tetrachloroethene	8260B	6.1		ug/kg	23
011	SB-34(17-18')	Solid	Tetrachloroethene	8260B	30		ug/kg	25
013	SB-44(11-12')	Solid	Acetone	8260B	12	J	ug/kg	27
013	SB-44(11-12')	Solid	Tetrachloroethene	8260B	3.8	J	ug/kg	27
014	SB-44(24-25')	Solid	Tetrachloroethene	8260B	220000		ug/kg	30
014	SB-44(24-25')	Solid	Naphthalene	8270D	1200		ug/kg	31
014	SB-44(24-25')	Solid	Phenanthrene	8270D	4000		ug/kg	31
014	SB-44(24-25')	Solid	Pyrene	8270D	700		ug/kg	31
015	SB-45(0-1')	Solid	Acetone	8260B	75		ug/kg	33
015	SB-45(0-1')	Solid	2-Butanone (MEK)	8260B	10	J	ug/kg	33
015	SB-45(0-1')	Solid	Tetrachloroethene	8260B	18000		ug/kg	33
015	SB-45(0-1')	Solid	Trichloroethene	8260B	17		ug/kg	34
016	SB-45(3-4')	Solid	Tetrachloroethene	8260B	1300000		ug/kg	36
017	SB-45(15-16')	Solid	Tetrachloroethene	8260B	6300000		ug/kg	39
017	SB-45(15-16')	Solid	Naphthalene	8270D	5900		ug/kg	40
017	SB-45(15-16')	Solid	Phenanthrene	8270D	10000		ug/kg	40
018	SB-45(21-22')	Solid	Methylene chloride	8260B	46000		ug/kg	42
018	SB-45(21-22')	Solid	Tetrachloroethene	8260B	7300000		ug/kg	42
018	SB-45(21-22')	Solid	Fluoranthene	8270D	160	J	ug/kg	43
018	SB-45(21-22')	Solid	Naphthalene	8270D	7700		ug/kg	43
018	SB-45(21-22')	Solid	Phenanthrene	8270D	10000		ug/kg	43
019	DUP-3	Solid	Tetrachloroethene	8260B	4600000		ug/kg	45
019	DUP-3	Solid	Naphthalene	8270D	4900		ug/kg	46
019	DUP-3	Solid	Phenanthrene	8270D	9700		ug/kg	46

(32 detections)

Client: URS Corporation
Description: SB-29A(3-4')
Date Sampled: 04/02/2014 1450
Date Received: 04/04/2014

Laboratory ID: PD05007-001
Matrix: Solid
% Solids: 86.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0806	JJG		44328	5.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	380	ug/kg	1
Benzene	71-43-2	8260B	ND		280	62	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		280	96	ug/kg	1
Bromoform	75-25-2	8260B	ND		280	40	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		280	100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		570	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		280	74	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		280	100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		280	96	ug/kg	1
Chloroethane	75-00-3	8260B	ND		280	74	ug/kg	1
Chloroform	67-66-3	8260B	ND		280	47	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		280	57	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		280	38	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		280	85	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		280	96	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		280	48	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		280	96	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		280	96	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		280	96	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		280	91	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		280	41	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		280	57	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		280	96	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		280	43	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		280	85	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		280	52	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		280	39	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		280	46	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		280	96	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		570	74	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		280	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		280	56	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		280	23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		570	85	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		280	23	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		280	150	ug/kg	1
Styrene	100-42-5	8260B	ND		280	62	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		280	27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	950		280	28	ug/kg	1
Toluene	108-88-3	8260B	ND		280	96	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29A(3-4')
Date Sampled: 04/02/2014 1450
Date Received: 04/04/2014

Laboratory ID: PD05007-001
Matrix: Solid
% Solids: 86.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0806	JJG		44328	5.09

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		280	36	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		280	96	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		280	48	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		280	45	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		280	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		280	85	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		280	49	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		280	160	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	53-142
Bromofluorobenzene		59	47-138
Toluene-d8		72	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29A(14-15')
Date Sampled: 04/02/2014 1455
Date Received: 04/04/2014

Laboratory ID: PD05007-002
Matrix: Solid
% Solids: 83.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/11/2014 0411	JJG		44548	5.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	380	ug/kg	2
Benzene	71-43-2	8260B	ND		290	63	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		290	98	ug/kg	2
Bromoform	75-25-2	8260B	ND		290	40	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	100	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		570	140	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		290	75	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		290	100	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		290	98	ug/kg	2
Chloroethane	75-00-3	8260B	ND		290	75	ug/kg	2
Chloroform	67-66-3	8260B	ND		290	48	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	57	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		290	39	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	86	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		290	98	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	49	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	98	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	98	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	98	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		290	92	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		290	42	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		290	57	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		290	98	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		290	44	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	86	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		290	52	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	39	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	47	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		290	98	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		570	75	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		290	13	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		290	56	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		570	86	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		290	24	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	2
Styrene	100-42-5	8260B	ND		290	63	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	27	ug/kg	2
Tetrachloroethene	127-18-4	8260B	73	J	290	29	ug/kg	2
Toluene	108-88-3	8260B	ND		290	98	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-29A(14-15')
Date Sampled: 04/02/2014 1455
Date Received: 04/04/2014

Laboratory ID: PD05007-002
Matrix: Solid
% Solids: 83.7 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/11/2014 0411	JJG		44548	5.20

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	36	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	98	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	49	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	45	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		290	110	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		290	86	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		290	49	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		290	170	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	53-142
Bromofluorobenzene		75	47-138
Toluene-d8		77	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33A(17-18')
Date Sampled: 04/02/2014 1400
Date Received: 04/04/2014

Laboratory ID: PD05007-003
Matrix: Solid
% Solids: 75.9 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0829	JJG		44328	4.88

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	450	ug/kg	1
Benzene	71-43-2	8260B	ND		340	74	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		340	110	ug/kg	1
Bromoform	75-25-2	8260B	ND		340	47	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		340	120	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		670	160	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		340	88	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		340	120	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		340	110	ug/kg	1
Chloroethane	75-00-3	8260B	ND		340	88	ug/kg	1
Chloroform	67-66-3	8260B	ND		340	56	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		340	67	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		340	45	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		340	100	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		340	110	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		340	57	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		340	110	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		340	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		340	110	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		340	110	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		340	49	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		340	67	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		340	110	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		340	51	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		340	100	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		340	61	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		340	46	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		340	55	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		340	110	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		670	88	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		340	16	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		340	66	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		340	27	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		670	100	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		340	28	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		340	180	ug/kg	1
Styrene	100-42-5	8260B	ND		340	74	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		340	32	ug/kg	1
Tetrachloroethene	127-18-4	8260B	620		340	34	ug/kg	1
Toluene	108-88-3	8260B	ND		340	110	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33A(17-18')
Date Sampled: 04/02/2014 1400
Date Received: 04/04/2014

Laboratory ID: PD05007-003
Matrix: Solid
% Solids: 75.9 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/09/2014 0829	JJG		44328	4.88

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		340	43	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		340	110	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		340	57	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		340	53	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		340	130	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		340	100	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		340	58	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		340	200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		69	47-138
Toluene-d8		79	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33A(22-23')
Date Sampled: 04/02/2014 1410
Date Received: 04/04/2014

Laboratory ID: PD05007-004
Matrix: Solid
% Solids: 77.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/09/2014 0329	JJG		44327	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.78	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.88	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.95	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	97		5.8	0.58	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-33A(22-23')
Date Sampled: 04/02/2014 1410
Date Received: 04/04/2014

Laboratory ID: PD05007-004
Matrix: Solid
% Solids: 77.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/09/2014 0329	JJG		44327	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	0.73	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		109	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-35(7-8')
Date Sampled: 04/02/2014 1330
Date Received: 04/04/2014

Laboratory ID: PD05007-005
Matrix: Solid
% Solids: 76.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1437	AAC		44761	5.10

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.6	ug/kg	2
Benzene	71-43-2	8260B	ND		6.4	1.4	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		6.4	2.2	ug/kg	2
Bromoform	75-25-2	8260B	ND		6.4	0.90	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	2.3	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		6.4	1.7	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		6.4	2.3	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		6.4	2.2	ug/kg	2
Chloroethane	75-00-3	8260B	ND		6.4	1.7	ug/kg	2
Chloroform	67-66-3	8260B	ND		6.4	1.1	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	1.3	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		6.4	0.87	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	1.9	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		6.4	2.2	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	1.1	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	2.2	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	2.2	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	2.2	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	2.1	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	0.94	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	1.3	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	2.2	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	0.98	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	1.9	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	1.2	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	0.88	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	1.1	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		6.4	2.2	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		6.4	0.30	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		6.4	1.3	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	0.52	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		6.4	0.53	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		6.4	3.4	ug/kg	2
Styrene	100-42-5	8260B	ND		6.4	1.4	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	0.61	ug/kg	2
Tetrachloroethene	127-18-4	8260B	40		6.4	0.64	ug/kg	2
Toluene	108-88-3	8260B	ND		6.4	2.2	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-35(7-8')
Date Sampled: 04/02/2014 1330
Date Received: 04/04/2014

Laboratory ID: PD05007-005
Matrix: Solid
% Solids: 76.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1437	AAC		44761	5.10

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	0.81	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	2.2	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	1.1	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	1.0	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		6.4	2.5	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	1.9	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		6.4	1.1	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		6.4	3.7	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-35(17-18')
Date Sampled: 04/02/2014 1340
Date Received: 04/04/2014

Laboratory ID: PD05007-006
Matrix: Solid
% Solids: 73.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1204	AAC		44762	5.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	430	ug/kg	2
Benzene	71-43-2	8260B	ND		320	71	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	2
Bromoform	75-25-2	8260B	ND		320	45	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	120	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		650	160	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		320	84	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		320	120	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	2
Chloroethane	75-00-3	8260B	ND		320	84	ug/kg	2
Chloroform	67-66-3	8260B	ND		320	54	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	65	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		320	44	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	97	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	55	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		320	47	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		320	65	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		320	49	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	97	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		320	59	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	44	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	53	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		320	110	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		650	84	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		320	15	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		320	64	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	26	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		650	97	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		320	27	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		320	170	ug/kg	2
Styrene	100-42-5	8260B	ND		320	71	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	2
Tetrachloroethene	127-18-4	8260B	1100		320	32	ug/kg	2
Toluene	108-88-3	8260B	ND		320	110	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-35(17-18')
Date Sampled: 04/02/2014 1340
Date Received: 04/04/2014

Laboratory ID: PD05007-006
Matrix: Solid
% Solids: 73.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1204	AAC		44762	5.24

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	41	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	55	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	51	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		320	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		320	97	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		320	56	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		320	190	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		77	53-142
Bromofluorobenzene		79	47-138
Toluene-d8		83	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-35(25-26')
Date Sampled: 04/02/2014 1350
Date Received: 04/04/2014

Laboratory ID: PD05007-007
Matrix: Solid
% Solids: 76.5 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1228	AAC		44762	5.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	410	ug/kg	2
Benzene	71-43-2	8260B	ND		310	67	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		310	100	ug/kg	2
Bromoform	75-25-2	8260B	ND		310	43	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		310	110	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		610	150	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		310	79	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		310	110	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		310	100	ug/kg	2
Chloroethane	75-00-3	8260B	ND		310	79	ug/kg	2
Chloroform	67-66-3	8260B	ND		310	51	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		310	61	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		310	41	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		310	92	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		310	100	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		310	52	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		310	100	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		310	100	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		310	100	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		310	98	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		310	45	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		310	61	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		310	100	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		310	46	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		310	92	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		310	56	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		310	42	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		310	50	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		310	100	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		610	79	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		310	14	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		310	60	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		310	24	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		610	92	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		310	25	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		310	160	ug/kg	2
Styrene	100-42-5	8260B	ND		310	67	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		310	29	ug/kg	2
Tetrachloroethene	127-18-4	8260B	380		310	31	ug/kg	2
Toluene	108-88-3	8260B	ND		310	100	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-35(25-26')
Date Sampled: 04/02/2014 1350
Date Received: 04/04/2014

Laboratory ID: PD05007-007
Matrix: Solid
% Solids: 76.5 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1228	AAC		44762	5.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		310	38	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		310	100	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		310	52	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		310	48	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		310	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		310	92	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		310	53	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		310	180	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		69	53-142
Bromofluorobenzene		72	47-138
Toluene-d8		71	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-36(5-6')
Date Sampled: 04/02/2014 1515
Date Received: 04/04/2014

Laboratory ID: PD05007-008
Matrix: Solid
% Solids: 76.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 1943	AAC		44517	5.04

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.7	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.91	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	0.87	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.94	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.98	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.5	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	0.53	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.5	0.65	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-36(5-6')
Date Sampled: 04/02/2014 1515
Date Received: 04/04/2014

Laboratory ID: PD05007-008
Matrix: Solid
% Solids: 76.6 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 1943	AAC		44517	5.04

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	0.82	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.5	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.5	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		107	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-36(18-19')
Date Sampled: 04/02/2014 1525
Date Received: 04/04/2014

Laboratory ID: PD05007-009
Matrix: Solid
% Solids: 74.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1500	AAC		44761	5.31

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.5	ug/kg	2
Benzene	71-43-2	8260B	ND		6.4	1.4	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		6.4	2.2	ug/kg	2
Bromoform	75-25-2	8260B	ND		6.4	0.89	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	2.3	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		6.4	1.7	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		6.4	2.3	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		6.4	2.2	ug/kg	2
Chloroethane	75-00-3	8260B	ND		6.4	1.7	ug/kg	2
Chloroform	67-66-3	8260B	ND		6.4	1.1	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	1.3	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		6.4	0.86	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	1.9	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		6.4	2.2	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	1.1	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	2.2	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	2.2	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	2.2	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	2.0	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	0.93	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	1.3	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	2.2	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	0.97	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	1.9	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	1.2	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	0.87	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	1.0	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		6.4	2.2	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		6.4	0.29	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		6.4	1.2	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	0.51	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		6.4	0.52	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		6.4	3.3	ug/kg	2
Styrene	100-42-5	8260B	ND		6.4	1.4	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	0.60	ug/kg	2
Tetrachloroethene	127-18-4	8260B	0.67	J	6.4	0.64	ug/kg	2
Toluene	108-88-3	8260B	ND		6.4	2.2	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-36(18-19')
Date Sampled: 04/02/2014 1525
Date Received: 04/04/2014

Laboratory ID: PD05007-009
Matrix: Solid
% Solids: 74.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1500	AAC		44761	5.31

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	0.80	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	2.2	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	1.1	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	1.0	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		6.4	2.4	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	1.9	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		6.4	1.1	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		6.4	3.7	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		107	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-36(26-27')
Date Sampled: 04/02/2014 1535
Date Received: 04/04/2014

Laboratory ID: PD05007-010
Matrix: Solid
% Solids: 82.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1524	AAC		44761	5.54

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.3	ug/kg	2
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.5	0.77	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		5.5	1.4	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.5	1.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.5	0.91	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.5	0.74	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.6	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.5	1.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.93	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	1.8	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.80	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.83	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.6	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	1.0	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.75	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.90	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.5	1.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		5.5	0.25	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.5	1.1	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.5	0.45	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.5	2.9	ug/kg	2
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.52	ug/kg	2
Tetrachloroethene	127-18-4	8260B	6.1		5.5	0.55	ug/kg	2
Toluene	108-88-3	8260B	ND		5.5	1.9	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-36(26-27')
Date Sampled: 04/02/2014 1535
Date Received: 04/04/2014

Laboratory ID: PD05007-010
Matrix: Solid
% Solids: 82.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1524	AAC		44761	5.54

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.5	0.69	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	1.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.93	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	0.87	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		5.5	2.1	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	1.6	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		5.5	0.94	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-34(17-18')
Date Sampled: 04/02/2014 1115
Date Received: 04/04/2014

Laboratory ID: PD05007-011
Matrix: Solid
% Solids: 72.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/15/2014 0151	JJG		44769	5.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.8	ug/kg	1
Benzene	71-43-2	8260B	ND		6.6	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.6	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.6	0.92	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.6	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.6	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.6	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.6	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.6	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.6	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.6	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.6	0.88	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.6	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.6	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.6	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.6	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.6	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.6	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.6	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.6	0.96	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.6	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.6	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.6	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.6	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.6	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.6	0.89	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.6	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.6	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.6	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.6	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.6	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.6	0.54	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.6	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.6	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.6	0.62	ug/kg	1
Tetrachloroethene	127-18-4	8260B	30		6.6	0.66	ug/kg	1
Toluene	108-88-3	8260B	ND		6.6	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-34(17-18')
Date Sampled: 04/02/2014 1115
Date Received: 04/04/2014

Laboratory ID: PD05007-011
Matrix: Solid
% Solids: 72.3 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/15/2014 0151	JJG		44769	5.28

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.6	0.83	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.6	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.6	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.6	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.6	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.6	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.6	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.6	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		109	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-44(11-12')
Date Sampled: 04/03/2014 1100
Date Received: 04/04/2014

Laboratory ID: PD05007-013
Matrix: Solid
% Solids: 85.9 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 2006	AAC		44517	5.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	12	J	20	6.7	ug/kg	1
Benzene	71-43-2	8260B	ND		5.0	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	0.70	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.9	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	0.83	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.99	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.67	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.85	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.73	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.99	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.76	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.90	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.68	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.82	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.9	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.97	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.9	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.41	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	2.6	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.47	ug/kg	1
Tetrachloroethene	127-18-4	8260B	3.8	J	5.0	0.50	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-44(11-12')
Date Sampled: 04/03/2014 1100
Date Received: 04/04/2014

Laboratory ID: PD05007-013
Matrix: Solid
% Solids: 85.9 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 2006	AAC		44517	5.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.63	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.85	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.79	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.0	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.0	0.86	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	2.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		107	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/08/2014 1937	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	ND		380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-44(11-12')
Date Sampled: 04/03/2014 1100
Date Received: 04/04/2014

Laboratory ID: PD05007-013
Matrix: Solid
% Solids: 85.9 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		97	33-102
Nitrobenzene-d5		82	22-109
Terphenyl-d14		105	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-44(24-25')
Date Sampled: 04/03/2014 1110
Date Received: 04/04/2014

Laboratory ID: PD05007-014
Matrix: Solid
% Solids: 91.2 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	2000	04/14/2014 1340	AAC		44762	4.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		45000	15000	ug/kg	2
Benzene	71-43-2	8260B	ND		11000	2500	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		11000	3800	ug/kg	2
Bromoform	75-25-2	8260B	ND		11000	1600	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		11000	4000	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		22000	5300	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		11000	2900	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		11000	4000	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		11000	3800	ug/kg	2
Chloroethane	75-00-3	8260B	ND		11000	2900	ug/kg	2
Chloroform	67-66-3	8260B	ND		11000	1800	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		11000	2200	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		11000	1500	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		11000	3300	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		11000	3800	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		11000	1900	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		11000	3800	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		11000	3800	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		11000	3800	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		11000	3600	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		11000	1600	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		11000	2200	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		11000	3800	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		11000	1700	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		11000	3300	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		11000	2000	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		11000	1500	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		11000	1800	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		11000	3800	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		22000	2900	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		11000	510	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		11000	2200	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		11000	890	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		22000	3300	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		11000	910	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		11000	5800	ug/kg	2
Styrene	100-42-5	8260B	ND		11000	2500	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		11000	1000	ug/kg	2
Tetrachloroethene	127-18-4	8260B	220000		11000	1100	ug/kg	2
Toluene	108-88-3	8260B	ND		11000	3800	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-44(24-25')
Date Sampled: 04/03/2014 1110
Date Received: 04/04/2014

Laboratory ID: PD05007-014
Matrix: Solid
% Solids: 91.2 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	2000	04/14/2014 1340	AAC		44762	4.92

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		11000	1400	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		11000	3800	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		11000	1900	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		11000	1800	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		11000	4200	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		11000	3300	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		11000	1900	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		11000	6500	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	0.00	53-142
Bromofluorobenzene	N	153	47-138
Toluene-d8		124	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/08/2014 2004	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270D	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		360	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		360	30	ug/kg	1
Chrysene	218-01-9	8270D	ND		360	11	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		360	24	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270D	ND		360	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		360	32	ug/kg	1
Naphthalene	91-20-3	8270D	1200		360	15	ug/kg	1
Phenanthrene	85-01-8	8270D	4000		360	15	ug/kg	1
Pyrene	129-00-0	8270D	700		360	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-44(24-25')
Date Sampled: 04/03/2014 1110
Date Received: 04/04/2014

Laboratory ID: PD05007-014
Matrix: Solid
% Solids: 91.2 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		100	33-102
Nitrobenzene-d5		90	22-109
Terphenyl-d14		95	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(0-1')
Date Sampled: 04/03/2014 1205
Date Received: 04/04/2014

Laboratory ID: PD05007-015
Matrix: Solid
% Solids: 84.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 2029	AAC		44517	4.35
2	5035	8260B	50	04/11/2014 2004	AAC		44619	4.89

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	75		27	9.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.8	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.8	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.8	0.96	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.8	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	10	J	14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.8	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.8	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.8	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.8	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.8	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.8	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.8	0.92	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.8	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.8	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.8	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.8	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.8	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.8	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.8	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.8	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.8	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.8	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.8	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.8	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.8	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.8	0.93	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.8	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.8	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.8	0.31	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.8	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.8	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.8	0.56	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.8	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.8	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.8	0.64	ug/kg	1
Tetrachloroethene	127-18-4	8260B	18000		300	30	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(0-1')
Date Sampled: 04/03/2014 1205
Date Received: 04/04/2014

Laboratory ID: PD05007-015
Matrix: Solid
% Solids: 84.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/10/2014 2029	AAC		44517	4.35
2	5035	8260B	50	04/11/2014 2004	AAC		44619	4.89

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		6.8	2.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.8	0.86	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.8	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.8	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.8	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	17		6.8	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.8	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.8	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.8	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142		83	53-142
Bromofluorobenzene		94	47-138		77	47-138
Toluene-d8		105	68-124		70	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/08/2014 2030	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(0-1')
Date Sampled: 04/03/2014 1205
Date Received: 04/04/2014

Laboratory ID: PD05007-015
Matrix: Solid
% Solids: 84.1 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		85	33-102
Nitrobenzene-d5		69	22-109
Terphenyl-d14		96	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(3-4')
Date Sampled: 04/03/2014 1215
Date Received: 04/04/2014

Laboratory ID: PD05007-016
Matrix: Solid
% Solids: 78.2 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	10000	04/14/2014 1427	AAC		44762	4.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		260000	89000	ug/kg	2
Benzene	71-43-2	8260B	ND		66000	15000	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		66000	23000	ug/kg	2
Bromoform	75-25-2	8260B	ND		66000	9300	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		66000	24000	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		130000	32000	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		66000	17000	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		66000	24000	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		66000	23000	ug/kg	2
Chloroethane	75-00-3	8260B	ND		66000	17000	ug/kg	2
Chloroform	67-66-3	8260B	ND		66000	11000	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		66000	13000	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		66000	8900	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		66000	20000	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		66000	23000	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		66000	11000	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		66000	23000	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		66000	23000	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		66000	23000	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		66000	21000	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		66000	9700	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		66000	13000	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		66000	23000	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		66000	10000	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		66000	20000	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		66000	12000	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		66000	9000	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		66000	11000	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		66000	23000	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		130000	17000	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		66000	3000	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		66000	13000	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		66000	5300	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		130000	20000	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		66000	5400	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		66000	34000	ug/kg	2
Styrene	100-42-5	8260B	ND		66000	15000	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		66000	6200	ug/kg	2
Tetrachloroethene	127-18-4	8260B	1300000		66000	6600	ug/kg	2
Toluene	108-88-3	8260B	ND		66000	23000	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(3-4')
Date Sampled: 04/03/2014 1215
Date Received: 04/04/2014

Laboratory ID: PD05007-016
Matrix: Solid
% Solids: 78.2 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	10000	04/14/2014 1427	AAC		44762	4.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		66000	8300	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		66000	23000	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		66000	11000	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		66000	10000	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		66000	25000	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		66000	20000	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		66000	11000	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		66000	38000	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	0.00	53-142
Bromofluorobenzene	N	305	47-138
Toluene-d8	N	271	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1326	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		4200	130	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		4200	170	ug/kg	1
Anthracene	120-12-7	8270D	ND		4200	180	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		4200	140	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		4200	310	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		4200	280	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		4200	280	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		4200	340	ug/kg	1
Chrysene	218-01-9	8270D	ND		4200	130	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		4200	280	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		4200	130	ug/kg	1
Fluorene	86-73-7	8270D	ND		4200	160	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		4200	380	ug/kg	1
Naphthalene	91-20-3	8270D	ND		4200	180	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		4200	170	ug/kg	1
Pyrene	129-00-0	8270D	ND		4200	180	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(3-4')
Date Sampled: 04/03/2014 1215
Date Received: 04/04/2014

Laboratory ID: PD05007-016
Matrix: Solid
% Solids: 78.2 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		101	33-102
Nitrobenzene-d5		88	22-109
Terphenyl-d14		110	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(15-16')
Date Sampled: 04/03/2014 1225
Date Received: 04/04/2014

Laboratory ID: PD05007-017
Matrix: Solid
% Solids: 77.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1000	04/11/2014 0834	JJG		44550	3.68
2	5035	8260B	20000	04/14/2014 1539	AAC		44762	3.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		35000	12000	ug/kg	1
Benzene	71-43-2	8260B	ND		8800	1900	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8800	3000	ug/kg	1
Bromoform	75-25-2	8260B	ND		8800	1200	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8800	3200	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		18000	4200	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8800	2300	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8800	3200	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8800	3000	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8800	2300	ug/kg	1
Chloroform	67-66-3	8260B	ND		8800	1500	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8800	1800	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		8800	1200	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8800	2600	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8800	3000	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8800	1500	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8800	3000	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8800	3000	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8800	3000	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		8800	2800	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8800	1300	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8800	1800	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		8800	3000	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8800	1300	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8800	2600	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8800	1600	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8800	1200	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8800	1400	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8800	3000	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		18000	2300	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		8800	410	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		8800	1700	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8800	700	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		18000	2600	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		8800	720	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8800	4600	ug/kg	1
Styrene	100-42-5	8260B	ND		8800	1900	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8800	830	ug/kg	1
Tetrachloroethene	127-18-4	8260B	6300000		180000	18000	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(15-16')
Date Sampled: 04/03/2014 1225
Date Received: 04/04/2014

Laboratory ID: PD05007-017
Matrix: Solid
% Solids: 77.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1000	04/11/2014 0834	JJG		44550	3.68
2	5035	8260B	20000	04/14/2014 1539	AAC		44762	3.68

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		8800	3000	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8800	1100	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8800	3000	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8800	1500	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8800	1400	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		8800	3300	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		8800	2600	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		8800	1500	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8800	5100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142	N	0.00	53-142
Bromofluorobenzene		106	47-138	N	0.00	47-138
Toluene-d8		115	68-124	N	435	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1349	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		4200	130	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		4200	170	ug/kg	1
Anthracene	120-12-7	8270D	ND		4200	190	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		4200	140	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		4200	310	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		4200	290	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		4200	290	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		4200	350	ug/kg	1
Chrysene	218-01-9	8270D	ND		4200	130	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		4200	280	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		4200	130	ug/kg	1
Fluorene	86-73-7	8270D	ND		4200	160	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		4200	380	ug/kg	1
Naphthalene	91-20-3	8270D	5900		4200	180	ug/kg	1
Phenanthrene	85-01-8	8270D	10000		4200	170	ug/kg	1
Pyrene	129-00-0	8270D	ND		4200	180	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(15-16')
Date Sampled: 04/03/2014 1225
Date Received: 04/04/2014

Laboratory ID: PD05007-017
Matrix: Solid
% Solids: 77.1 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		87	33-102
Nitrobenzene-d5		85	22-109
Terphenyl-d14		102	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(21-22')
Date Sampled: 04/03/2014 1235
Date Received: 04/04/2014

Laboratory ID: PD05007-018
Matrix: Solid
% Solids: 86.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	2000	04/11/2014 2028	AAC		44619	4.46
3	5035	8260B	40000	04/15/2014 1958	AAC		44856	4.46

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		52000	17000	ug/kg	1
Benzene	71-43-2	8260B	ND		13000	2900	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		13000	4400	ug/kg	1
Bromoform	75-25-2	8260B	ND		13000	1800	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		13000	4700	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		26000	6300	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		13000	3400	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		13000	4700	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		13000	4400	ug/kg	1
Chloroethane	75-00-3	8260B	ND		13000	3400	ug/kg	1
Chloroform	67-66-3	8260B	ND		13000	2200	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		13000	2600	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		13000	1800	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		13000	3900	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		13000	4400	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		13000	2200	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		13000	4400	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		13000	4400	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		13000	4400	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		13000	4200	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		13000	1900	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		13000	2600	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		13000	4400	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		13000	2000	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		13000	3900	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		13000	2400	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		13000	1800	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		13000	2100	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		13000	4400	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		26000	3400	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		13000	600	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		13000	2600	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		13000	1000	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		26000	3900	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		13000	1100	ug/kg	1
Methylene chloride	75-09-2	8260B	46000		13000	6800	ug/kg	1
Styrene	100-42-5	8260B	ND		13000	2900	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		13000	1200	ug/kg	1
Tetrachloroethene	127-18-4	8260B	7300000		260000	26000	ug/kg	3

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(21-22')
Date Sampled: 04/03/2014 1235
Date Received: 04/04/2014

Laboratory ID: PD05007-018
Matrix: Solid
% Solids: 86.0 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	2000	04/11/2014 2028	AAC		44619	4.46
3	5035	8260B	40000	04/15/2014 1958	AAC		44856	4.46

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		13000	4400	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		13000	1600	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		13000	4400	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		13000	2200	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		13000	2100	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		13000	5000	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		13000	3900	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		13000	2200	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		13000	7600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142	N	0.00	53-142
Bromofluorobenzene		106	47-138	N	709	47-138
Toluene-d8		105	68-124	N	275	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1413	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		3800	120	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		3800	150	ug/kg	1
Anthracene	120-12-7	8270D	ND		3800	170	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		3800	130	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		3800	280	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		3800	260	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		3800	260	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		3800	310	ug/kg	1
Chrysene	218-01-9	8270D	ND		3800	120	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		3800	250	ug/kg	1
Fluoranthene	206-44-0	8270D	160	J	3800	120	ug/kg	1
Fluorene	86-73-7	8270D	ND		3800	150	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		3800	340	ug/kg	1
Naphthalene	91-20-3	8270D	7700		3800	160	ug/kg	1
Phenanthrene	85-01-8	8270D	10000		3800	150	ug/kg	1
Pyrene	129-00-0	8270D	ND		3800	170	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-45(21-22')
Date Sampled: 04/03/2014 1235
Date Received: 04/04/2014

Laboratory ID: PD05007-018
Matrix: Solid
% Solids: 86.0 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		90	33-102
Nitrobenzene-d5		98	22-109
Terphenyl-d14		104	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-3
Date Sampled: 04/03/2014 1230
Date Received: 04/04/2014

Laboratory ID: PD05007-019
Matrix: Solid
% Solids: 79.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	10000	04/14/2014 1451	AAC		44762	3.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		320000	110000	ug/kg	2
Benzene	71-43-2	8260B	ND		80000	18000	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		80000	27000	ug/kg	2
Bromoform	75-25-2	8260B	ND		80000	11000	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		80000	29000	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		160000	38000	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		80000	21000	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		80000	29000	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		80000	27000	ug/kg	2
Chloroethane	75-00-3	8260B	ND		80000	21000	ug/kg	2
Chloroform	67-66-3	8260B	ND		80000	13000	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		80000	16000	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		80000	11000	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		80000	24000	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		80000	27000	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		80000	14000	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		80000	27000	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		80000	27000	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		80000	27000	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		80000	26000	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		80000	12000	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		80000	16000	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		80000	27000	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		80000	12000	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		80000	24000	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		80000	15000	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		80000	11000	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		80000	13000	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		80000	27000	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		160000	21000	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		80000	3700	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		80000	16000	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		80000	6400	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		160000	24000	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		80000	6500	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		80000	42000	ug/kg	2
Styrene	100-42-5	8260B	ND		80000	18000	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		80000	7500	ug/kg	2
Tetrachloroethene	127-18-4	8260B	4600000		80000	8000	ug/kg	2
Toluene	108-88-3	8260B	ND		80000	27000	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-3
Date Sampled: 04/03/2014 1230
Date Received: 04/04/2014

Laboratory ID: PD05007-019
Matrix: Solid
% Solids: 79.1 04/05/2014 1442

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	10000	04/14/2014 1451	AAC		44762	3.96

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		80000	10000	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		80000	27000	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		80000	14000	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		80000	13000	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		80000	30000	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		80000	24000	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		80000	14000	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		80000	46000	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	N	0.00	53-142
Bromofluorobenzene	N	239	47-138
Toluene-d8	N	287	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	10	04/10/2014 1436	RBH	04/08/2014 1021	44240

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		4100	130	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		4100	160	ug/kg	1
Anthracene	120-12-7	8270D	ND		4100	180	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		4100	140	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		4100	300	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		4100	280	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		4100	280	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		4100	340	ug/kg	1
Chrysene	218-01-9	8270D	ND		4100	130	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		4100	280	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		4100	130	ug/kg	1
Fluorene	86-73-7	8270D	ND		4100	160	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		4100	370	ug/kg	1
Naphthalene	91-20-3	8270D	4900		4100	170	ug/kg	1
Phenanthrene	85-01-8	8270D	9700		4100	170	ug/kg	1
Pyrene	129-00-0	8270D	ND		4100	180	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-3
Date Sampled: 04/03/2014 1230
Date Received: 04/04/2014

Laboratory ID: PD05007-019
Matrix: Solid
% Solids: 79.1 04/05/2014 1442

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		91	33-102
Nitrobenzene-d5		86	22-109
Terphenyl-d14		108	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/03/2014
Date Received: 04/04/2014

Laboratory ID: PD05007-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/10/2014 0031	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank
Date Sampled: 04/03/2014
Date Received: 04/04/2014

Laboratory ID: PD05007-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/10/2014 0031	PMM2		44430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44327-001
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/09/2014 0155
Benzene	ND		1	5.0	1.1	ug/kg	04/09/2014 0155
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
Bromoform	ND		1	5.0	0.70	ug/kg	04/09/2014 0155
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/09/2014 0155
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/09/2014 0155
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/09/2014 0155
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/09/2014 0155
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
Chloroethane	ND		1	5.0	1.3	ug/kg	04/09/2014 0155
Chloroform	ND		1	5.0	0.83	ug/kg	04/09/2014 0155
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/09/2014 0155
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/09/2014 0155
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/09/2014 0155
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/09/2014 0155
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/09/2014 0155
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/09/2014 0155
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/09/2014 0155
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/09/2014 0155
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/09/2014 0155
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/09/2014 0155
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/09/2014 0155
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/09/2014 0155
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
2-Hexanone	ND		1	10	1.3	ug/kg	04/09/2014 0155
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/09/2014 0155
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/09/2014 0155
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/09/2014 0155
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/09/2014 0155
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/09/2014 0155
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/09/2014 0155
Styrene	ND		1	5.0	1.1	ug/kg	04/09/2014 0155
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/09/2014 0155
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/09/2014 0155
Toluene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/09/2014 0155
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/09/2014 0155
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/09/2014 0155
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/09/2014 0155

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44327-001
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/09/2014 0155
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/09/2014 0155
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/09/2014 0155
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/09/2014 0155

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44327-002
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	89		1	89	60-140	04/09/2014 0023
Benzene	50	40		1	80	69-123	04/09/2014 0023
Bromodichloromethane	50	39		1	78	69-121	04/09/2014 0023
Bromoform	50	41		1	82	61-119	04/09/2014 0023
Bromomethane (Methyl bromide)	50	39		1	78	10-168	04/09/2014 0023
2-Butanone (MEK)	100	92		1	92	57-148	04/09/2014 0023
Carbon disulfide	50	40		1	80	58-122	04/09/2014 0023
Carbon tetrachloride	50	40		1	81	58-136	04/09/2014 0023
Chlorobenzene	50	40		1	80	59-129	04/09/2014 0023
Chloroethane	50	39		1	78	42-163	04/09/2014 0023
Chloroform	50	39		1	79	71-125	04/09/2014 0023
Chloromethane (Methyl chloride)	50	36		1	71	34-134	04/09/2014 0023
Cyclohexane	50	41		1	82	53-139	04/09/2014 0023
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	84	55-125	04/09/2014 0023
Dibromochloromethane	50	40		1	79	66-119	04/09/2014 0023
1,2-Dibromoethane (EDB)	50	41		1	81	74-124	04/09/2014 0023
1,4-Dichlorobenzene	50	39		1	78	52-133	04/09/2014 0023
1,3-Dichlorobenzene	50	38		1	76	51-134	04/09/2014 0023
1,2-Dichlorobenzene	50	40		1	80	57-131	04/09/2014 0023
Dichlorodifluoromethane	50	38		1	77	10-157	04/09/2014 0023
1,2-Dichloroethane	50	39		1	78	67-129	04/09/2014 0023
1,1-Dichloroethane	50	39		1	77	71-127	04/09/2014 0023
trans-1,2-Dichloroethene	50	41		1	81	68-131	04/09/2014 0023
cis-1,2-Dichloroethene	50	40		1	80	70-122	04/09/2014 0023
1,1-Dichloroethene	50	40		1	80	69-138	04/09/2014 0023
1,2-Dichloropropane	50	39		1	79	72-124	04/09/2014 0023
trans-1,3-Dichloropropene	50	40		1	80	70-124	04/09/2014 0023
cis-1,3-Dichloropropene	50	40		1	80	70-126	04/09/2014 0023
Ethylbenzene	50	39		1	79	59-128	04/09/2014 0023
2-Hexanone	100	84		1	84	54-137	04/09/2014 0023
Isopropylbenzene	50	43		1	85	50-136	04/09/2014 0023
Methyl acetate	50	44		1	87	59-137	04/09/2014 0023
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	04/09/2014 0023
4-Methyl-2-pentanone	100	86		1	86	60-134	04/09/2014 0023
Methylcyclohexane	50	41		1	83	41-144	04/09/2014 0023
Methylene chloride	50	38		1	76	70-130	04/09/2014 0023
Styrene	50	39		1	79	54-136	04/09/2014 0023
1,1,2,2-Tetrachloroethane	50	41		1	82	69-132	04/09/2014 0023
Tetrachloroethene	50	41		1	82	45-150	04/09/2014 0023
Toluene	50	38		1	77	61-129	04/09/2014 0023
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	49-136	04/09/2014 0023
1,2,4-Trichlorobenzene	50	40		1	80	34-145	04/09/2014 0023
1,1,2-Trichloroethane	50	38		1	77	55-128	04/09/2014 0023
1,1,1-Trichloroethane	50	40		1	79	63-128	04/09/2014 0023

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44327-002
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	80	62-126	04/09/2014 0023
Trichlorofluoromethane	50	40		1	80	45-138	04/09/2014 0023
Vinyl chloride	50	36		1	73	42-132	04/09/2014 0023
Xylenes (total)	100	79		1	79	58-128	04/09/2014 0023

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	47-138
1,2-Dichloroethane-d4		108	53-142
Toluene-d8		110	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44327-003
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	87		1	87	2.0	60-140	20	04/09/2014 0046
Benzene	50	38		1	76	4.5	69-123	20	04/09/2014 0046
Bromodichloromethane	50	39		1	78	0.15	69-121	20	04/09/2014 0046
Bromoform	50	40		1	81	1.8	61-119	20	04/09/2014 0046
Bromomethane (Methyl bromide)	50	38		1	77	1.6	10-168	20	04/09/2014 0046
2-Butanone (MEK)	100	91		1	91	1.2	57-148	20	04/09/2014 0046
Carbon disulfide	50	38		1	77	3.6	58-122	20	04/09/2014 0046
Carbon tetrachloride	50	40		1	80	1.5	58-136	20	04/09/2014 0046
Chlorobenzene	50	38		1	76	5.4	59-129	20	04/09/2014 0046
Chloroethane	50	38		1	77	1.3	42-163	20	04/09/2014 0046
Chloroform	50	40		1	80	0.86	71-125	20	04/09/2014 0046
Chloromethane (Methyl chloride)	50	36		1	72	0.52	34-134	20	04/09/2014 0046
Cyclohexane	50	39		1	78	4.7	53-139	20	04/09/2014 0046
1,2-Dibromo-3-chloropropane (DBCP)	50	40		1	81	4.4	55-125	20	04/09/2014 0046
Dibromochloromethane	50	41		1	82	4.1	66-119	20	04/09/2014 0046
1,2-Dibromoethane (EDB)	50	40		1	79	2.1	74-124	20	04/09/2014 0046
1,4-Dichlorobenzene	50	38		1	76	2.3	52-133	20	04/09/2014 0046
1,3-Dichlorobenzene	50	39		1	77	1.9	51-134	20	04/09/2014 0046
1,2-Dichlorobenzene	50	39		1	78	1.5	57-131	20	04/09/2014 0046
Dichlorodifluoromethane	50	39		1	78	1.2	10-157	20	04/09/2014 0046
1,2-Dichloroethane	50	40		1	79	1.5	67-129	20	04/09/2014 0046
1,1-Dichloroethane	50	39		1	78	0.25	71-127	20	04/09/2014 0046
trans-1,2-Dichloroethene	50	39		1	78	4.4	68-131	20	04/09/2014 0046
cis-1,2-Dichloroethene	50	40		1	79	0.66	70-122	20	04/09/2014 0046
1,1-Dichloroethene	50	38		1	77	4.1	69-138	20	04/09/2014 0046
1,2-Dichloropropane	50	38		1	76	2.7	72-124	20	04/09/2014 0046
trans-1,3-Dichloropropene	50	40		1	80	0.13	70-124	20	04/09/2014 0046
cis-1,3-Dichloropropene	50	41		1	81	1.3	70-126	20	04/09/2014 0046
Ethylbenzene	50	39		1	79	0.13	59-128	20	04/09/2014 0046
2-Hexanone	100	84		1	84	0.41	54-137	20	04/09/2014 0046
Isopropylbenzene	50	40		1	80	6.0	50-136	20	04/09/2014 0046
Methyl acetate	50	43		1	87	0.24	59-137	20	04/09/2014 0046
Methyl tertiary butyl ether (MTBE)	50	44		1	88	0.82	70-130	20	04/09/2014 0046
4-Methyl-2-pentanone	100	85		1	85	1.4	60-134	20	04/09/2014 0046
Methylcyclohexane	50	40		1	80	3.5	41-144	20	04/09/2014 0046
Methylene chloride	50	38		1	76	0.35	70-130	20	04/09/2014 0046
Styrene	50	39		1	79	0.13	54-136	20	04/09/2014 0046
1,1,2,2-Tetrachloroethane	50	41		1	83	1.3	69-132	20	04/09/2014 0046
Tetrachloroethene	50	40		1	79	3.2	45-150	20	04/09/2014 0046
Toluene	50	38		1	76	0.36	61-129	20	04/09/2014 0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	92	0.028	49-136	20	04/09/2014 0046
1,2,4-Trichlorobenzene	50	39		1	79	2.5	34-145	20	04/09/2014 0046
1,1,2-Trichloroethane	50	38		1	76	1.8	55-128	20	04/09/2014 0046
1,1,1-Trichloroethane	50	41		1	81	2.2	63-128	20	04/09/2014 0046

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44327-003
Batch: 44327
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	39		1	77	3.4	62-126	20	04/09/2014 0046
Trichlorofluoromethane	50	39		1	78	2.4	45-138	20	04/09/2014 0046
Vinyl chloride	50	37		1	74	1.7	42-132	20	04/09/2014 0046
Xylenes (total)	100	78		1	78	0.48	58-128	20	04/09/2014 0046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44328-001
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/08/2014 0808
Benzene	ND		50	250	55	ug/kg	04/08/2014 0808
Bromodichloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
Bromoform	ND		50	250	35	ug/kg	04/08/2014 0808
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/08/2014 0808
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/08/2014 0808
Carbon disulfide	ND		50	250	65	ug/kg	04/08/2014 0808
Carbon tetrachloride	ND		50	250	90	ug/kg	04/08/2014 0808
Chlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Chloroethane	ND		50	250	65	ug/kg	04/08/2014 0808
Chloroform	ND		50	250	42	ug/kg	04/08/2014 0808
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/08/2014 0808
Cyclohexane	ND		50	250	34	ug/kg	04/08/2014 0808
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/08/2014 0808
Dibromochloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/08/2014 0808
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/08/2014 0808
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/08/2014 0808
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/08/2014 0808
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/08/2014 0808
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/08/2014 0808
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/08/2014 0808
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/08/2014 0808
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/08/2014 0808
Ethylbenzene	ND		50	250	85	ug/kg	04/08/2014 0808
2-Hexanone	ND		50	500	65	ug/kg	04/08/2014 0808
Isopropylbenzene	ND		50	250	12	ug/kg	04/08/2014 0808
Methyl acetate	ND		50	250	49	ug/kg	04/08/2014 0808
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/08/2014 0808
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/08/2014 0808
Methylcyclohexane	ND		50	250	21	ug/kg	04/08/2014 0808
Methylene chloride	ND		50	250	130	ug/kg	04/08/2014 0808
Styrene	ND		50	250	55	ug/kg	04/08/2014 0808
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/08/2014 0808
Tetrachloroethene	ND		50	250	25	ug/kg	04/08/2014 0808
Toluene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/08/2014 0808
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/08/2014 0808
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/08/2014 0808

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44328-001
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/08/2014 0808
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/08/2014 0808
Vinyl chloride	ND		50	250	43	ug/kg	04/08/2014 0808
Xylenes (total)	ND		50	250	150	ug/kg	04/08/2014 0808

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44328-002
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3500		50	69	60-140	04/08/2014 0659
Benzene	2500	2300		50	90	69-123	04/08/2014 0659
Bromodichloromethane	2500	2300		50	93	69-121	04/08/2014 0659
Bromoform	2500	2300		50	92	61-119	04/08/2014 0659
Bromomethane (Methyl bromide)	2500	1400		50	57	10-168	04/08/2014 0659
2-Butanone (MEK)	5000	4300		50	87	57-148	04/08/2014 0659
Carbon disulfide	2500	2000		50	80	58-122	04/08/2014 0659
Carbon tetrachloride	2500	2200		50	88	58-136	04/08/2014 0659
Chlorobenzene	2500	2000		50	78	59-129	04/08/2014 0659
Chloroethane	2500	2000		50	81	42-163	04/08/2014 0659
Chloroform	2500	2300		50	92	71-125	04/08/2014 0659
Chloromethane (Methyl chloride)	2500	1700		50	69	34-134	04/08/2014 0659
Cyclohexane	2500	2200		50	87	53-139	04/08/2014 0659
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	55-125	04/08/2014 0659
Dibromochloromethane	2500	2400		50	96	66-119	04/08/2014 0659
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/08/2014 0659
1,4-Dichlorobenzene	2500	1600		50	64	52-133	04/08/2014 0659
1,3-Dichlorobenzene	2500	1600		50	65	51-134	04/08/2014 0659
1,2-Dichlorobenzene	2500	1800		50	72	57-131	04/08/2014 0659
Dichlorodifluoromethane	2500	1400		50	54	10-157	04/08/2014 0659
1,2-Dichloroethane	2500	2400		50	95	67-129	04/08/2014 0659
1,1-Dichloroethane	2500	2300		50	91	71-127	04/08/2014 0659
trans-1,2-Dichloroethene	2500	2200		50	87	68-131	04/08/2014 0659
cis-1,2-Dichloroethene	2500	2300		50	93	70-122	04/08/2014 0659
1,1-Dichloroethene	2500	2200		50	86	69-138	04/08/2014 0659
1,2-Dichloropropane	2500	2300		50	94	72-124	04/08/2014 0659
trans-1,3-Dichloropropene	2500	2300		50	92	70-124	04/08/2014 0659
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/08/2014 0659
Ethylbenzene	2500	1900		50	75	59-128	04/08/2014 0659
2-Hexanone	5000	4900		50	98	54-137	04/08/2014 0659
Isopropylbenzene	2500	1800		50	74	50-136	04/08/2014 0659
Methyl acetate	2500	2700		50	107	59-137	04/08/2014 0659
Methyl tertiary butyl ether (MTBE)	2500	2700		50	108	70-130	04/08/2014 0659
4-Methyl-2-pentanone	5000	5000		50	101	60-134	04/08/2014 0659
Methylcyclohexane	2500	2100		50	84	41-144	04/08/2014 0659
Methylene chloride	2500	2300		50	90	70-130	04/08/2014 0659
Styrene	2500	1900		50	77	54-136	04/08/2014 0659
1,1,2,2-Tetrachloroethane	2500	2400		50	97	69-132	04/08/2014 0659
Tetrachloroethene	2500	1900		50	76	45-150	04/08/2014 0659
Toluene	2500	2000		50	80	61-129	04/08/2014 0659
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2400		50	95	49-136	04/08/2014 0659
1,2,4-Trichlorobenzene	2500	1500		50	58	34-145	04/08/2014 0659
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/08/2014 0659
1,1,1-Trichloroethane	2500	2200		50	87	63-128	04/08/2014 0659

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44328-002
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2100		50	86	62-126	04/08/2014 0659
Trichlorofluoromethane	2500	2100		50	83	45-138	04/08/2014 0659
Vinyl chloride	2500	1800		50	73	42-132	04/08/2014 0659
Xylenes (total)	5000	3800		50	76	58-128	04/08/2014 0659

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44328-003
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	73	4.8	60-140	20	04/08/2014 0722
Benzene	2500	2400		50	96	6.7	69-123	20	04/08/2014 0722
Bromodichloromethane	2500	2400		50	96	2.1	69-121	20	04/08/2014 0722
Bromoform	2500	2300		50	91	0.77	61-119	20	04/08/2014 0722
Bromomethane (Methyl bromide)	2500	1600		50	65	13	10-168	20	04/08/2014 0722
2-Butanone (MEK)	5000	4600		50	92	5.8	57-148	20	04/08/2014 0722
Carbon disulfide	2500	2200		50	86	7.6	58-122	20	04/08/2014 0722
Carbon tetrachloride	2500	2400		50	96	9.2	58-136	20	04/08/2014 0722
Chlorobenzene	2500	2300		50	92	16	59-129	20	04/08/2014 0722
Chloroethane	2500	2200		50	87	6.8	42-163	20	04/08/2014 0722
Chloroform	2500	2500		50	98	6.7	71-125	20	04/08/2014 0722
Chloromethane (Methyl chloride)	2500	1900		50	74	7.4	34-134	20	04/08/2014 0722
Cyclohexane	2500	2300		50	94	8.0	53-139	20	04/08/2014 0722
1,2-Dibromo-3-chloropropane (DBCP)	2500	2200		50	88	8.3	55-125	20	04/08/2014 0722
Dibromochloromethane	2500	2400		50	97	1.1	66-119	20	04/08/2014 0722
1,2-Dibromoethane (EDB)	2500	2500		50	98	1.5	74-124	20	04/08/2014 0722
1,4-Dichlorobenzene	2500	2100	+	50	85	28	52-133	20	04/08/2014 0722
1,3-Dichlorobenzene	2500	2100	+	50	84	26	51-134	20	04/08/2014 0722
1,2-Dichlorobenzene	2500	2200	+	50	89	21	57-131	20	04/08/2014 0722
Dichlorodifluoromethane	2500	1500		50	59	8.0	10-157	20	04/08/2014 0722
1,2-Dichloroethane	2500	2500		50	99	3.4	67-129	20	04/08/2014 0722
1,1-Dichloroethane	2500	2400		50	98	7.4	71-127	20	04/08/2014 0722
trans-1,2-Dichloroethene	2500	2400		50	94	7.9	68-131	20	04/08/2014 0722
cis-1,2-Dichloroethene	2500	2500		50	101	8.7	70-122	20	04/08/2014 0722
1,1-Dichloroethene	2500	2300		50	92	7.0	69-138	20	04/08/2014 0722
1,2-Dichloropropane	2500	2400		50	98	4.1	72-124	20	04/08/2014 0722
trans-1,3-Dichloropropene	2500	2400		50	95	3.2	70-124	20	04/08/2014 0722
cis-1,3-Dichloropropene	2500	2400		50	98	4.9	70-126	20	04/08/2014 0722
Ethylbenzene	2500	2300		50	92	19	59-128	20	04/08/2014 0722
2-Hexanone	5000	4200		50	85	14	54-137	20	04/08/2014 0722
Isopropylbenzene	2500	2400	+	50	98	28	50-136	20	04/08/2014 0722
Methyl acetate	2500	2700		50	108	1.5	59-137	20	04/08/2014 0722
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	3.7	70-130	20	04/08/2014 0722
4-Methyl-2-pentanone	5000	4400		50	88	13	60-134	20	04/08/2014 0722
Methylcyclohexane	2500	2300		50	91	8.4	41-144	20	04/08/2014 0722
Methylene chloride	2500	2400		50	94	4.6	70-130	20	04/08/2014 0722
Styrene	2500	2300		50	92	19	54-136	20	04/08/2014 0722
1,1,2,2-Tetrachloroethane	2500	2300		50	93	4.8	69-132	20	04/08/2014 0722
Tetrachloroethene	2500	2300		50	90	16	45-150	20	04/08/2014 0722
Toluene	2500	2200		50	89	11	61-129	20	04/08/2014 0722
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2500		50	101	6.3	49-136	20	04/08/2014 0722
1,2,4-Trichlorobenzene	2500	1800	+	50	73	23	34-145	20	04/08/2014 0722
1,1,2-Trichloroethane	2500	2300		50	93	0.57	55-128	20	04/08/2014 0722
1,1,1-Trichloroethane	2500	2400		50	96	9.0	63-128	20	04/08/2014 0722

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44328-003
Batch: 44328
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2400		50	94	9.4	62-126	20	04/08/2014 0722
Trichlorofluoromethane	2500	2200		50	88	6.0	45-138	20	04/08/2014 0722
Vinyl chloride	2500	2000		50	78	6.8	42-132	20	04/08/2014 0722
Xylenes (total)	5000	4600		50	92	20	58-128	20	04/08/2014 0722

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/09/2014 2324
Benzene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Bromoform	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/09/2014 2324
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/09/2014 2324
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloroethane	ND		1	5.0	0.50	ug/L	04/09/2014 2324
Chloroform	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Cyclohexane	ND		1	5.0	0.98	ug/L	04/09/2014 2324
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/09/2014 2324
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/09/2014 2324
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/09/2014 2324
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
2-Hexanone	ND		1	10	1.0	ug/L	04/09/2014 2324
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/09/2014 2324
Methyl acetate	ND		1	5.0	0.72	ug/L	04/09/2014 2324
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/09/2014 2324
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/09/2014 2324
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/09/2014 2324
Methylene chloride	ND		1	5.0	1.7	ug/L	04/09/2014 2324
Styrene	ND		1	5.0	0.10	ug/L	04/09/2014 2324
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/09/2014 2324
Toluene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/09/2014 2324
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/09/2014 2324

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44430-001
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/09/2014 2324
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/09/2014 2324
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/09/2014 2324

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	107	60-140	04/09/2014 2153
Benzene	50	51		1	103	70-130	04/09/2014 2153
Bromodichloromethane	50	50		1	100	70-130	04/09/2014 2153
Bromoform	50	39		1	79	70-130	04/09/2014 2153
Bromomethane (Methyl bromide)	50	40		1	80	60-140	04/09/2014 2153
2-Butanone (MEK)	100	94		1	94	60-140	04/09/2014 2153
Carbon disulfide	50	52		1	104	60-140	04/09/2014 2153
Carbon tetrachloride	50	49		1	99	70-130	04/09/2014 2153
Chlorobenzene	50	50		1	99	70-130	04/09/2014 2153
Chloroethane	50	42		1	84	42-163	04/09/2014 2153
Chloroform	50	50		1	100	70-130	04/09/2014 2153
Chloromethane (Methyl chloride)	50	50		1	99	60-140	04/09/2014 2153
Cyclohexane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	70-130	04/09/2014 2153
Dibromochloromethane	50	48		1	96	70-130	04/09/2014 2153
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	04/09/2014 2153
1,4-Dichlorobenzene	50	50		1	101	70-130	04/09/2014 2153
1,3-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
1,2-Dichlorobenzene	50	51		1	102	70-130	04/09/2014 2153
Dichlorodifluoromethane	50	52		1	104	60-140	04/09/2014 2153
1,2-Dichloroethane	50	50		1	100	70-130	04/09/2014 2153
1,1-Dichloroethane	50	49		1	99	70-130	04/09/2014 2153
trans-1,2-Dichloroethene	50	49		1	99	70-130	04/09/2014 2153
cis-1,2-Dichloroethene	50	50		1	101	70-130	04/09/2014 2153
1,1-Dichloroethene	50	52		1	104	70-130	04/09/2014 2153
1,2-Dichloropropane	50	51		1	101	70-130	04/09/2014 2153
trans-1,3-Dichloropropene	50	51		1	102	70-130	04/09/2014 2153
cis-1,3-Dichloropropene	50	51		1	103	70-130	04/09/2014 2153
Ethylbenzene	50	50		1	100	70-130	04/09/2014 2153
2-Hexanone	100	100		1	100	60-140	04/09/2014 2153
Isopropylbenzene	50	52		1	103	70-130	04/09/2014 2153
Methyl acetate	50	52		1	104	70-130	04/09/2014 2153
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	04/09/2014 2153
4-Methyl-2-pentanone	100	99		1	99	60-140	04/09/2014 2153
Methylcyclohexane	50	52		1	103	70-130	04/09/2014 2153
Methylene chloride	50	47		1	94	70-130	04/09/2014 2153
Styrene	50	52		1	103	70-130	04/09/2014 2153
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	04/09/2014 2153
Tetrachloroethene	50	49		1	99	70-130	04/09/2014 2153
Toluene	50	50		1	100	70-130	04/09/2014 2153
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	57		1	114	70-130	04/09/2014 2153
1,2,4-Trichlorobenzene	50	54		1	108	70-130	04/09/2014 2153
1,1,2-Trichloroethane	50	49		1	97	70-130	04/09/2014 2153
1,1,1-Trichloroethane	50	49		1	98	70-130	04/09/2014 2153

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44430-002
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	99	70-130	04/09/2014 2153
Trichlorofluoromethane	50	42		1	85	70-130	04/09/2014 2153
Vinyl chloride	50	49		1	98	70-130	04/09/2014 2153
Xylenes (total)	100	100		1	102	70-130	04/09/2014 2153

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	109	1.0	60-140	20	04/09/2014 2216
Benzene	50	51		1	101	1.4	70-130	20	04/09/2014 2216
Bromodichloromethane	50	50		1	101	0.34	70-130	20	04/09/2014 2216
Bromoform	50	41		1	83	4.9	70-130	20	04/09/2014 2216
Bromomethane (Methyl bromide)	50	47		1	95	17	60-140	20	04/09/2014 2216
2-Butanone (MEK)	100	98		1	98	3.7	60-140	20	04/09/2014 2216
Carbon disulfide	50	52		1	104	0.23	60-140	20	04/09/2014 2216
Carbon tetrachloride	50	50		1	101	2.1	70-130	20	04/09/2014 2216
Chlorobenzene	50	50		1	100	0.42	70-130	20	04/09/2014 2216
Chloroethane	50	52		1	103	20	42-163	20	04/09/2014 2216
Chloroform	50	50		1	100	0.24	70-130	20	04/09/2014 2216
Chloromethane (Methyl chloride)	50	51		1	102	2.8	60-140	20	04/09/2014 2216
Cyclohexane	50	48		1	97	0.45	70-130	20	04/09/2014 2216
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	3.5	70-130	20	04/09/2014 2216
Dibromochloromethane	50	49		1	98	2.5	70-130	20	04/09/2014 2216
1,2-Dibromoethane (EDB)	50	51		1	102	1.3	70-130	20	04/09/2014 2216
1,4-Dichlorobenzene	50	50		1	100	1.2	70-130	20	04/09/2014 2216
1,3-Dichlorobenzene	50	50		1	101	1.1	70-130	20	04/09/2014 2216
1,2-Dichlorobenzene	50	50		1	100	1.8	70-130	20	04/09/2014 2216
Dichlorodifluoromethane	50	52		1	105	1.2	60-140	20	04/09/2014 2216
1,2-Dichloroethane	50	50		1	101	1.3	70-130	20	04/09/2014 2216
1,1-Dichloroethane	50	50		1	99	0.56	70-130	20	04/09/2014 2216
trans-1,2-Dichloroethene	50	50		1	99	0.87	70-130	20	04/09/2014 2216
cis-1,2-Dichloroethene	50	51		1	101	0.26	70-130	20	04/09/2014 2216
1,1-Dichloroethene	50	51		1	102	1.6	70-130	20	04/09/2014 2216
1,2-Dichloropropane	50	50		1	101	0.39	70-130	20	04/09/2014 2216
trans-1,3-Dichloropropene	50	52		1	105	2.5	70-130	20	04/09/2014 2216
cis-1,3-Dichloropropene	50	52		1	104	0.78	70-130	20	04/09/2014 2216
Ethylbenzene	50	50		1	100	0.43	70-130	20	04/09/2014 2216
2-Hexanone	100	100		1	102	1.9	60-140	20	04/09/2014 2216
Isopropylbenzene	50	50		1	100	3.1	70-130	20	04/09/2014 2216
Methyl acetate	50	54		1	109	4.6	70-130	20	04/09/2014 2216
Methyl tertiary butyl ether (MTBE)	50	49		1	99	0.84	70-130	20	04/09/2014 2216
4-Methyl-2-pentanone	100	100		1	101	1.2	60-140	20	04/09/2014 2216
Methylcyclohexane	50	51		1	101	1.7	70-130	20	04/09/2014 2216
Methylene chloride	50	47		1	94	0.23	70-130	20	04/09/2014 2216
Styrene	50	51		1	103	0.28	70-130	20	04/09/2014 2216
1,1,2,2-Tetrachloroethane	50	51		1	101	1.8	70-130	20	04/09/2014 2216
Tetrachloroethene	50	50		1	99	0.27	70-130	20	04/09/2014 2216
Toluene	50	49		1	98	2.2	70-130	20	04/09/2014 2216
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	3.6	70-130	20	04/09/2014 2216
1,2,4-Trichlorobenzene	50	53		1	106	1.1	70-130	20	04/09/2014 2216
1,1,2-Trichloroethane	50	49		1	99	1.5	70-130	20	04/09/2014 2216
1,1,1-Trichloroethane	50	50		1	100	1.9	70-130	20	04/09/2014 2216

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44430-003
Batch: 44430
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	99	0.014	70-130	20	04/09/2014 2216
Trichlorofluoromethane	50	46		1	91	7.5	70-130	20	04/09/2014 2216
Vinyl chloride	50	49		1	98	0.018	70-130	20	04/09/2014 2216
Xylenes (total)	100	100		1	101	0.62	70-130	20	04/09/2014 2216

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44517-001
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/10/2014 1547
Benzene	ND		1	5.0	1.1	ug/kg	04/10/2014 1547
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
Bromoform	ND		1	5.0	0.70	ug/kg	04/10/2014 1547
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/10/2014 1547
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/10/2014 1547
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/10/2014 1547
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/10/2014 1547
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
Chloroethane	ND		1	5.0	1.3	ug/kg	04/10/2014 1547
Chloroform	ND		1	5.0	0.83	ug/kg	04/10/2014 1547
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/10/2014 1547
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/10/2014 1547
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/10/2014 1547
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/10/2014 1547
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/10/2014 1547
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/10/2014 1547
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/10/2014 1547
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/10/2014 1547
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/10/2014 1547
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/10/2014 1547
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/10/2014 1547
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/10/2014 1547
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
2-Hexanone	ND		1	10	1.3	ug/kg	04/10/2014 1547
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/10/2014 1547
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/10/2014 1547
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/10/2014 1547
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/10/2014 1547
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/10/2014 1547
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/10/2014 1547
Styrene	ND		1	5.0	1.1	ug/kg	04/10/2014 1547
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/10/2014 1547
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/10/2014 1547
Toluene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/10/2014 1547
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/10/2014 1547
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/10/2014 1547
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/10/2014 1547

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44517-001
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/10/2014 1547
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/10/2014 1547
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/10/2014 1547
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/10/2014 1547

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44517-002
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	105	60-140	04/10/2014 1414
Benzene	50	43		1	86	69-123	04/10/2014 1414
Bromodichloromethane	50	42		1	84	69-121	04/10/2014 1414
Bromoform	50	45		1	90	61-119	04/10/2014 1414
Bromomethane (Methyl bromide)	50	43		1	85	10-168	04/10/2014 1414
2-Butanone (MEK)	100	100		1	104	57-148	04/10/2014 1414
Carbon disulfide	50	45		1	90	58-122	04/10/2014 1414
Carbon tetrachloride	50	43		1	87	58-136	04/10/2014 1414
Chlorobenzene	50	43		1	86	59-129	04/10/2014 1414
Chloroethane	50	42		1	85	42-163	04/10/2014 1414
Chloroform	50	43		1	86	71-125	04/10/2014 1414
Chloromethane (Methyl chloride)	50	41		1	82	34-134	04/10/2014 1414
Cyclohexane	50	44		1	89	53-139	04/10/2014 1414
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	04/10/2014 1414
Dibromochloromethane	50	44		1	89	66-119	04/10/2014 1414
1,2-Dibromoethane (EDB)	50	44		1	89	74-124	04/10/2014 1414
1,4-Dichlorobenzene	50	44		1	88	52-133	04/10/2014 1414
1,3-Dichlorobenzene	50	42		1	83	51-134	04/10/2014 1414
1,2-Dichlorobenzene	50	44		1	88	57-131	04/10/2014 1414
Dichlorodifluoromethane	50	45		1	89	10-157	04/10/2014 1414
1,2-Dichloroethane	50	43		1	86	67-129	04/10/2014 1414
1,1-Dichloroethane	50	42		1	84	71-127	04/10/2014 1414
trans-1,2-Dichloroethene	50	44		1	87	68-131	04/10/2014 1414
cis-1,2-Dichloroethene	50	43		1	86	70-122	04/10/2014 1414
1,1-Dichloroethene	50	44		1	88	69-138	04/10/2014 1414
1,2-Dichloropropane	50	43		1	86	72-124	04/10/2014 1414
trans-1,3-Dichloropropene	50	44		1	89	70-124	04/10/2014 1414
cis-1,3-Dichloropropene	50	44		1	89	70-126	04/10/2014 1414
Ethylbenzene	50	43		1	86	59-128	04/10/2014 1414
2-Hexanone	100	93		1	93	54-137	04/10/2014 1414
Isopropylbenzene	50	44		1	89	50-136	04/10/2014 1414
Methyl acetate	50	51		1	102	59-137	04/10/2014 1414
Methyl tertiary butyl ether (MTBE)	50	48		1	95	70-130	04/10/2014 1414
4-Methyl-2-pentanone	100	97		1	97	60-134	04/10/2014 1414
Methylcyclohexane	50	44		1	88	41-144	04/10/2014 1414
Methylene chloride	50	41		1	83	70-130	04/10/2014 1414
Styrene	50	45		1	89	54-136	04/10/2014 1414
1,1,2,2-Tetrachloroethane	50	46		1	93	69-132	04/10/2014 1414
Tetrachloroethene	50	44		1	88	45-150	04/10/2014 1414
Toluene	50	41		1	83	61-129	04/10/2014 1414
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	49-136	04/10/2014 1414
1,2,4-Trichlorobenzene	50	43		1	86	34-145	04/10/2014 1414
1,1,2-Trichloroethane	50	41		1	83	55-128	04/10/2014 1414
1,1,1-Trichloroethane	50	42		1	85	63-128	04/10/2014 1414

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44517-002
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	43		1	86	62-126	04/10/2014 1414
Trichlorofluoromethane	50	43		1	85	45-138	04/10/2014 1414
Vinyl chloride	50	43		1	86	42-132	04/10/2014 1414
Xylenes (total)	100	90		1	90	58-128	04/10/2014 1414

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44517-003
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	92		1	92	12	60-140	20	04/10/2014 1438
Benzene	50	41		1	82	4.9	69-123	20	04/10/2014 1438
Bromodichloromethane	50	41		1	82	2.2	69-121	20	04/10/2014 1438
Bromoform	50	44		1	88	1.8	61-119	20	04/10/2014 1438
Bromomethane (Methyl bromide)	50	40		1	80	6.6	10-168	20	04/10/2014 1438
2-Butanone (MEK)	100	92		1	92	13	57-148	20	04/10/2014 1438
Carbon disulfide	50	40		1	81	11	58-122	20	04/10/2014 1438
Carbon tetrachloride	50	40		1	80	8.3	58-136	20	04/10/2014 1438
Chlorobenzene	50	40		1	80	7.4	59-129	20	04/10/2014 1438
Chloroethane	50	39		1	78	8.0	42-163	20	04/10/2014 1438
Chloroform	50	40		1	81	6.0	71-125	20	04/10/2014 1438
Chloromethane (Methyl chloride)	50	37		1	75	9.1	34-134	20	04/10/2014 1438
Cyclohexane	50	41		1	82	8.7	53-139	20	04/10/2014 1438
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	10	55-125	20	04/10/2014 1438
Dibromochloromethane	50	44		1	88	0.69	66-119	20	04/10/2014 1438
1,2-Dibromoethane (EDB)	50	43		1	85	3.6	74-124	20	04/10/2014 1438
1,4-Dichlorobenzene	50	40		1	80	9.2	52-133	20	04/10/2014 1438
1,3-Dichlorobenzene	50	40		1	80	4.3	51-134	20	04/10/2014 1438
1,2-Dichlorobenzene	50	41		1	83	6.5	57-131	20	04/10/2014 1438
Dichlorodifluoromethane	50	40		1	80	11	10-157	20	04/10/2014 1438
1,2-Dichloroethane	50	41		1	82	4.9	67-129	20	04/10/2014 1438
1,1-Dichloroethane	50	40		1	80	4.9	71-127	20	04/10/2014 1438
trans-1,2-Dichloroethene	50	39		1	79	10	68-131	20	04/10/2014 1438
cis-1,2-Dichloroethene	50	40		1	81	6.3	70-122	20	04/10/2014 1438
1,1-Dichloroethene	50	40		1	79	11	69-138	20	04/10/2014 1438
1,2-Dichloropropane	50	40		1	80	7.0	72-124	20	04/10/2014 1438
trans-1,3-Dichloropropene	50	44		1	88	0.49	70-124	20	04/10/2014 1438
cis-1,3-Dichloropropene	50	42		1	84	4.8	70-126	20	04/10/2014 1438
Ethylbenzene	50	41		1	83	3.6	59-128	20	04/10/2014 1438
2-Hexanone	100	94		1	94	1.4	54-137	20	04/10/2014 1438
Isopropylbenzene	50	41		1	82	7.7	50-136	20	04/10/2014 1438
Methyl acetate	50	46		1	92	10	59-137	20	04/10/2014 1438
Methyl tertiary butyl ether (MTBE)	50	48		1	96	0.58	70-130	20	04/10/2014 1438
4-Methyl-2-pentanone	100	93		1	93	4.2	60-134	20	04/10/2014 1438
Methylcyclohexane	50	41		1	82	7.0	41-144	20	04/10/2014 1438
Methylene chloride	50	39		1	78	5.8	70-130	20	04/10/2014 1438
Styrene	50	42		1	83	7.2	54-136	20	04/10/2014 1438
1,1,2,2-Tetrachloroethane	50	43		1	86	8.0	69-132	20	04/10/2014 1438
Tetrachloroethene	50	40		1	80	9.1	45-150	20	04/10/2014 1438
Toluene	50	40		1	80	2.6	61-129	20	04/10/2014 1438
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	91	9.8	49-136	20	04/10/2014 1438
1,2,4-Trichlorobenzene	50	42		1	83	2.7	34-145	20	04/10/2014 1438
1,1,2-Trichloroethane	50	40		1	80	2.7	55-128	20	04/10/2014 1438
1,1,1-Trichloroethane	50	39		1	78	8.9	63-128	20	04/10/2014 1438

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44517-003
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	40		1	79	7.5	62-126	20	04/10/2014 1438
Trichlorofluoromethane	50	39		1	78	8.9	45-138	20	04/10/2014 1438
Vinyl chloride	50	38		1	75	14	42-132	20	04/10/2014 1438
Xylenes (total)	100	84		1	84	6.4	58-128	20	04/10/2014 1438

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD05007-008MS
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	110	95		1	87	60-140	04/10/2014 2115
Benzene	ND	55	43		1	79	69-123	04/10/2014 2115
Bromodichloromethane	ND	55	40		1	72	69-121	04/10/2014 2115
Bromoform	ND	55	41		1	74	61-119	04/10/2014 2115
Bromomethane (Methyl bromide)	ND	55	46		1	83	35-144	04/10/2014 2115
2-Butanone (MEK)	ND	110	99		1	90	57-148	04/10/2014 2115
Carbon disulfide	ND	55	49		1	90	58-122	04/10/2014 2115
Carbon tetrachloride	ND	55	48		1	87	58-136	04/10/2014 2115
Chlorobenzene	ND	55	37		1	68	59-129	04/10/2014 2115
Chloroethane	ND	55	47		1	85	50-132	04/10/2014 2115
Chloroform	ND	55	44		1	80	71-125	04/10/2014 2115
Chloromethane (Methyl chloride)	ND	55	47		1	85	34-134	04/10/2014 2115
Cyclohexane	ND	55	49		1	89	53-139	04/10/2014 2115
1,2-Dibromo-3-chloropropane (DBCP)	ND	55	45		1	81	55-125	04/10/2014 2115
Dibromochloromethane	ND	55	41		1	74	66-119	04/10/2014 2115
1,2-Dibromoethane (EDB)	ND	55	43		1	78	74-124	04/10/2014 2115
1,2-Dichlorobenzene	ND	55	35		1	64	57-131	04/10/2014 2115
1,3-Dichlorobenzene	ND	55	32		1	58	51-134	04/10/2014 2115
1,4-Dichlorobenzene	ND	55	33		1	60	52-133	04/10/2014 2115
Dichlorodifluoromethane	ND	55	55		1	101	10-157	04/10/2014 2115
1,1-Dichloroethane	ND	55	44		1	81	71-127	04/10/2014 2115
1,2-Dichloroethane	ND	55	42		1	77	67-129	04/10/2014 2115
1,1-Dichloroethene	ND	55	50		1	92	69-138	04/10/2014 2115
cis-1,2-Dichloroethene	ND	55	44		1	80	70-122	04/10/2014 2115
trans-1,2-Dichloroethene	ND	55	48		1	87	68-131	04/10/2014 2115
1,2-Dichloropropane	ND	55	42		1	77	72-124	04/10/2014 2115
cis-1,3-Dichloropropene	ND	55	40		1	72	70-126	04/10/2014 2115
trans-1,3-Dichloropropene	ND	55	38		1	70	70-124	04/10/2014 2115
Ethylbenzene	ND	55	39		1	71	59-128	04/10/2014 2115
2-Hexanone	ND	110	83		1	76	54-137	04/10/2014 2115
Isopropylbenzene	ND	55	37		1	68	50-136	04/10/2014 2115
Methyl acetate	ND	55	50		1	90	59-137	04/10/2014 2115
Methyl tertiary butyl ether (MTBE)	ND	55	55		1	101	70-130	04/10/2014 2115
4-Methyl-2-pentanone	ND	110	91		1	83	60-134	04/10/2014 2115
Methylcyclohexane	ND	55	49		1	89	41-144	04/10/2014 2115
Methylene chloride	ND	55	43		1	78	77-129	04/10/2014 2115
Styrene	ND	55	37		1	68	54-136	04/10/2014 2115
1,1,2,2-Tetrachloroethane	ND	55	44		1	80	69-132	04/10/2014 2115
Tetrachloroethene	ND	55	42		1	76	70-130	04/10/2014 2115
Toluene	ND	55	39		1	72	61-129	04/10/2014 2115
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	55	58		1	106	49-136	04/10/2014 2115
1,2,4-Trichlorobenzene	ND	55	29		1	52	34-145	04/10/2014 2115
1,1,1-Trichloroethane	ND	55	48		1	87	63-128	04/10/2014 2115
1,1,2-Trichloroethane	ND	55	40		1	73	55-128	04/10/2014 2115

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD05007-008MS
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	55	41		1	75	62-126	04/10/2014 2115
Trichlorofluoromethane	ND	55	48		1	88	45-138	04/10/2014 2115
Vinyl chloride	ND	55	50		1	91	42-132	04/10/2014 2115
Xylenes (total)	ND	110	78		1	71	58-128	04/10/2014 2115

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		107	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD05007-008MD
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	120	96		1	79	0.92	60-140	20	04/10/2014 2138
Benzene	ND	61	52		1	85	17	69-123	20	04/10/2014 2138
Bromodichloromethane	ND	61	49		1	80	20	69-121	20	04/10/2014 2138
Bromoform	ND	61	50		1	82	20	61-119	20	04/10/2014 2138
Bromomethane (Methyl bromide)	ND	61	52		1	86	14	35-144	20	04/10/2014 2138
2-Butanone (MEK)	ND	120	110		1	89	8.9	57-148	20	04/10/2014 2138
Carbon disulfide	ND	61	63	+	1	103	24	58-122	20	04/10/2014 2138
Carbon tetrachloride	ND	61	53		1	87	11	58-136	20	04/10/2014 2138
Chlorobenzene	ND	61	46	+	1	76	22	59-129	20	04/10/2014 2138
Chloroethane	ND	61	53		1	86	12	50-132	20	04/10/2014 2138
Chloroform	ND	61	50		1	82	12	71-125	20	04/10/2014 2138
Chloromethane (Methyl chloride)	ND	61	51		1	83	7.6	34-134	20	04/10/2014 2138
Cyclohexane	ND	61	55		1	90	12	53-139	20	04/10/2014 2138
1,2-Dibromo-3-chloropropane (DBCP)	ND	61	48		1	78	6.8	55-125	20	04/10/2014 2138
Dibromochloromethane	ND	61	50		1	82	20	66-119	20	04/10/2014 2138
1,2-Dibromoethane (EDB)	ND	61	49		1	81	14	74-124	20	04/10/2014 2138
1,2-Dichlorobenzene	ND	61	46	+	1	75	26	57-131	20	04/10/2014 2138
1,3-Dichlorobenzene	ND	61	44	+	1	72	32	51-134	20	04/10/2014 2138
1,4-Dichlorobenzene	ND	61	45	+	1	73	30	52-133	20	04/10/2014 2138
Dichlorodifluoromethane	ND	61	60		1	98	8.0	10-157	20	04/10/2014 2138
1,1-Dichloroethane	ND	61	50		1	82	11	71-127	20	04/10/2014 2138
1,2-Dichloroethane	ND	61	48		1	79	13	67-129	20	04/10/2014 2138
1,1-Dichloroethene	ND	61	56		1	91	10	69-138	20	04/10/2014 2138
cis-1,2-Dichloroethene	ND	61	52		1	85	16	70-122	20	04/10/2014 2138
trans-1,2-Dichloroethene	ND	61	53		1	87	11	68-131	20	04/10/2014 2138
1,2-Dichloropropane	ND	61	48		1	78	12	72-124	20	04/10/2014 2138
cis-1,3-Dichloropropene	ND	61	48		1	78	18	70-126	20	04/10/2014 2138
trans-1,3-Dichloropropene	ND	61	46		1	75	18	70-124	20	04/10/2014 2138
Ethylbenzene	ND	61	49	+	1	81	23	59-128	20	04/10/2014 2138
2-Hexanone	ND	120	99		1	81	17	54-137	20	04/10/2014 2138
Isopropylbenzene	ND	61	53	+	1	87	35	50-136	20	04/10/2014 2138
Methyl acetate	ND	61	58		1	95	16	59-137	20	04/10/2014 2138
Methyl tertiary butyl ether (MTBE)	ND	61	59		1	97	6.6	70-130	20	04/10/2014 2138
4-Methyl-2-pentanone	ND	120	97		1	80	6.6	60-134	20	04/10/2014 2138
Methylcyclohexane	ND	61	57		1	94	16	41-144	20	04/10/2014 2138
Methylene chloride	ND	61	49		1	81	14	77-129	20	04/10/2014 2138
Styrene	ND	61	47	+	1	78	24	54-136	20	04/10/2014 2138
1,1,2,2-Tetrachloroethane	ND	61	50		1	82	12	69-132	20	04/10/2014 2138
Tetrachloroethene	ND	61	50		1	83	19	70-130	20	04/10/2014 2138
Toluene	ND	61	48	+	1	80	21	61-129	20	04/10/2014 2138
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	61	65		1	107	11	49-136	20	04/10/2014 2138
1,2,4-Trichlorobenzene	ND	61	39	+	1	63	30	34-145	20	04/10/2014 2138
1,1,1-Trichloroethane	ND	61	53		1	87	11	63-128	20	04/10/2014 2138
1,1,2-Trichloroethane	ND	61	47		1	77	16	55-128	20	04/10/2014 2138

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD05007-008MD
Batch: 44517
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	61	50		1	82	19	62-126	20	04/10/2014 2138
Trichlorofluoromethane	ND	61	55		1	91	14	45-138	20	04/10/2014 2138
Vinyl chloride	ND	61	54		1	89	9.1	42-132	20	04/10/2014 2138
Xylenes (total)	ND	120	97	+	1	79	22	58-128	20	04/10/2014 2138

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		109	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44548-001
Batch: 44548
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/08/2014 0808
Benzene	ND		50	250	55	ug/kg	04/08/2014 0808
Bromodichloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
Bromoform	ND		50	250	35	ug/kg	04/08/2014 0808
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/08/2014 0808
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/08/2014 0808
Carbon disulfide	ND		50	250	65	ug/kg	04/08/2014 0808
Carbon tetrachloride	ND		50	250	90	ug/kg	04/08/2014 0808
Chlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Chloroethane	ND		50	250	65	ug/kg	04/08/2014 0808
Chloroform	ND		50	250	42	ug/kg	04/08/2014 0808
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/08/2014 0808
Cyclohexane	ND		50	250	34	ug/kg	04/08/2014 0808
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/08/2014 0808
Dibromochloromethane	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/08/2014 0808
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/08/2014 0808
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/08/2014 0808
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/08/2014 0808
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/08/2014 0808
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/08/2014 0808
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/08/2014 0808
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/08/2014 0808
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/08/2014 0808
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/08/2014 0808
Ethylbenzene	ND		50	250	85	ug/kg	04/08/2014 0808
2-Hexanone	ND		50	500	65	ug/kg	04/08/2014 0808
Isopropylbenzene	ND		50	250	12	ug/kg	04/08/2014 0808
Methyl acetate	ND		50	250	49	ug/kg	04/08/2014 0808
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/08/2014 0808
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/08/2014 0808
Methylcyclohexane	ND		50	250	21	ug/kg	04/08/2014 0808
Methylene chloride	ND		50	250	130	ug/kg	04/08/2014 0808
Styrene	ND		50	250	55	ug/kg	04/08/2014 0808
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/08/2014 0808
Tetrachloroethene	ND		50	250	25	ug/kg	04/08/2014 0808
Toluene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/08/2014 0808
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/08/2014 0808
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/08/2014 0808
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/08/2014 0808

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44548-001
Batch: 44548
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/08/2014 0808
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/08/2014 0808
Vinyl chloride	ND		50	250	43	ug/kg	04/08/2014 0808
Xylenes (total)	ND		50	250	150	ug/kg	04/08/2014 0808

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44548-002
Batch: 44548
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3500		50	69	60-140	04/08/2014 0659
Benzene	2500	2300		50	90	69-123	04/08/2014 0659
Bromodichloromethane	2500	2300		50	93	69-121	04/08/2014 0659
Bromoform	2500	2300		50	92	61-119	04/08/2014 0659
Bromomethane (Methyl bromide)	2500	1400		50	57	10-168	04/08/2014 0659
2-Butanone (MEK)	5000	4300		50	87	57-148	04/08/2014 0659
Carbon disulfide	2500	2000		50	80	58-122	04/08/2014 0659
Carbon tetrachloride	2500	2200		50	88	58-136	04/08/2014 0659
Chlorobenzene	2500	2000		50	78	59-129	04/08/2014 0659
Chloroethane	2500	2000		50	81	42-163	04/08/2014 0659
Chloroform	2500	2300		50	92	71-125	04/08/2014 0659
Chloromethane (Methyl chloride)	2500	1700		50	69	34-134	04/08/2014 0659
Cyclohexane	2500	2200		50	87	53-139	04/08/2014 0659
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	55-125	04/08/2014 0659
Dibromochloromethane	2500	2400		50	96	66-119	04/08/2014 0659
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/08/2014 0659
1,4-Dichlorobenzene	2500	1600		50	64	52-133	04/08/2014 0659
1,3-Dichlorobenzene	2500	1600		50	65	51-134	04/08/2014 0659
1,2-Dichlorobenzene	2500	1800		50	72	57-131	04/08/2014 0659
Dichlorodifluoromethane	2500	1400		50	54	10-157	04/08/2014 0659
1,2-Dichloroethane	2500	2400		50	95	67-129	04/08/2014 0659
1,1-Dichloroethane	2500	2300		50	91	71-127	04/08/2014 0659
trans-1,2-Dichloroethene	2500	2200		50	87	68-131	04/08/2014 0659
cis-1,2-Dichloroethene	2500	2300		50	93	70-122	04/08/2014 0659
1,1-Dichloroethene	2500	2200		50	86	69-138	04/08/2014 0659
1,2-Dichloropropane	2500	2300		50	94	72-124	04/08/2014 0659
trans-1,3-Dichloropropene	2500	2300		50	92	70-124	04/08/2014 0659
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/08/2014 0659
Ethylbenzene	2500	1900		50	75	59-128	04/08/2014 0659
2-Hexanone	5000	4900		50	98	54-137	04/08/2014 0659
Isopropylbenzene	2500	1800		50	74	50-136	04/08/2014 0659
Methyl acetate	2500	2700		50	107	59-137	04/08/2014 0659
Methyl tertiary butyl ether (MTBE)	2500	2700		50	108	70-130	04/08/2014 0659
4-Methyl-2-pentanone	5000	5000		50	101	60-134	04/08/2014 0659
Methylcyclohexane	2500	2100		50	84	41-144	04/08/2014 0659
Methylene chloride	2500	2300		50	90	70-130	04/08/2014 0659
Styrene	2500	1900		50	77	54-136	04/08/2014 0659
1,1,2,2-Tetrachloroethane	2500	2400		50	97	69-132	04/08/2014 0659
Tetrachloroethene	2500	1900		50	76	45-150	04/08/2014 0659
Toluene	2500	2000		50	80	61-129	04/08/2014 0659
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2400		50	95	49-136	04/08/2014 0659
1,2,4-Trichlorobenzene	2500	1500		50	58	34-145	04/08/2014 0659
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/08/2014 0659
1,1,1-Trichloroethane	2500	2200		50	87	63-128	04/08/2014 0659

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44548-002
Batch: 44548
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2100		50	86	62-126	04/08/2014 0659
Trichlorofluoromethane	2500	2100		50	83	45-138	04/08/2014 0659
Vinyl chloride	2500	1800		50	73	42-132	04/08/2014 0659
Xylenes (total)	5000	3800		50	76	58-128	04/08/2014 0659

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		84	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44548-003
Batch: 44548
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	73	4.8	60-140	20	04/08/2014 0722
Benzene	2500	2400		50	96	6.7	69-123	20	04/08/2014 0722
Bromodichloromethane	2500	2400		50	96	2.1	69-121	20	04/08/2014 0722
Bromoform	2500	2300		50	91	0.77	61-119	20	04/08/2014 0722
Bromomethane (Methyl bromide)	2500	1600		50	65	13	10-168	20	04/08/2014 0722
2-Butanone (MEK)	5000	4600		50	92	5.8	57-148	20	04/08/2014 0722
Carbon disulfide	2500	2200		50	86	7.6	58-122	20	04/08/2014 0722
Carbon tetrachloride	2500	2400		50	96	9.2	58-136	20	04/08/2014 0722
Chlorobenzene	2500	2300		50	92	16	59-129	20	04/08/2014 0722
Chloroethane	2500	2200		50	87	6.8	42-163	20	04/08/2014 0722
Chloroform	2500	2500		50	98	6.7	71-125	20	04/08/2014 0722
Chloromethane (Methyl chloride)	2500	1900		50	74	7.4	34-134	20	04/08/2014 0722
Cyclohexane	2500	2300		50	94	8.0	53-139	20	04/08/2014 0722
1,2-Dibromo-3-chloropropane (DBCP)	2500	2200		50	88	8.3	55-125	20	04/08/2014 0722
Dibromochloromethane	2500	2400		50	97	1.1	66-119	20	04/08/2014 0722
1,2-Dibromoethane (EDB)	2500	2500		50	98	1.5	74-124	20	04/08/2014 0722
1,4-Dichlorobenzene	2500	2100	+	50	85	28	52-133	20	04/08/2014 0722
1,3-Dichlorobenzene	2500	2100	+	50	84	26	51-134	20	04/08/2014 0722
1,2-Dichlorobenzene	2500	2200	+	50	89	21	57-131	20	04/08/2014 0722
Dichlorodifluoromethane	2500	1500		50	59	8.0	10-157	20	04/08/2014 0722
1,2-Dichloroethane	2500	2500		50	99	3.4	67-129	20	04/08/2014 0722
1,1-Dichloroethane	2500	2400		50	98	7.4	71-127	20	04/08/2014 0722
trans-1,2-Dichloroethene	2500	2400		50	94	7.9	68-131	20	04/08/2014 0722
cis-1,2-Dichloroethene	2500	2500		50	101	8.7	70-122	20	04/08/2014 0722
1,1-Dichloroethene	2500	2300		50	92	7.0	69-138	20	04/08/2014 0722
1,2-Dichloropropane	2500	2400		50	98	4.1	72-124	20	04/08/2014 0722
trans-1,3-Dichloropropene	2500	2400		50	95	3.2	70-124	20	04/08/2014 0722
cis-1,3-Dichloropropene	2500	2400		50	98	4.9	70-126	20	04/08/2014 0722
Ethylbenzene	2500	2300		50	92	19	59-128	20	04/08/2014 0722
2-Hexanone	5000	4200		50	85	14	54-137	20	04/08/2014 0722
Isopropylbenzene	2500	2400	+	50	98	28	50-136	20	04/08/2014 0722
Methyl acetate	2500	2700		50	108	1.5	59-137	20	04/08/2014 0722
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	3.7	70-130	20	04/08/2014 0722
4-Methyl-2-pentanone	5000	4400		50	88	13	60-134	20	04/08/2014 0722
Methylcyclohexane	2500	2300		50	91	8.4	41-144	20	04/08/2014 0722
Methylene chloride	2500	2400		50	94	4.6	70-130	20	04/08/2014 0722
Styrene	2500	2300		50	92	19	54-136	20	04/08/2014 0722
1,1,2,2-Tetrachloroethane	2500	2300		50	93	4.8	69-132	20	04/08/2014 0722
Tetrachloroethene	2500	2300		50	90	16	45-150	20	04/08/2014 0722
Toluene	2500	2200		50	89	11	61-129	20	04/08/2014 0722
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2500		50	101	6.3	49-136	20	04/08/2014 0722
1,2,4-Trichlorobenzene	2500	1800	+	50	73	23	34-145	20	04/08/2014 0722
1,1,2-Trichloroethane	2500	2300		50	93	0.57	55-128	20	04/08/2014 0722
1,1,1-Trichloroethane	2500	2400		50	96	9.0	63-128	20	04/08/2014 0722

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44548-003
Batch: 44548
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2400		50	94	9.4	62-126	20	04/08/2014 0722
Trichlorofluoromethane	2500	2200		50	88	6.0	45-138	20	04/08/2014 0722
Vinyl chloride	2500	2000		50	78	6.8	42-132	20	04/08/2014 0722
Xylenes (total)	5000	4600		50	92	20	58-128	20	04/08/2014 0722

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44550-001
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/11/2014 0347
Benzene	ND		50	250	55	ug/kg	04/11/2014 0347
Bromodichloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
Bromoform	ND		50	250	35	ug/kg	04/11/2014 0347
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/11/2014 0347
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/11/2014 0347
Carbon disulfide	ND		50	250	65	ug/kg	04/11/2014 0347
Carbon tetrachloride	ND		50	250	90	ug/kg	04/11/2014 0347
Chlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Chloroethane	ND		50	250	65	ug/kg	04/11/2014 0347
Chloroform	ND		50	250	42	ug/kg	04/11/2014 0347
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/11/2014 0347
Cyclohexane	ND		50	250	34	ug/kg	04/11/2014 0347
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/11/2014 0347
Dibromochloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/11/2014 0347
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/11/2014 0347
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/11/2014 0347
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/11/2014 0347
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/11/2014 0347
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/11/2014 0347
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/11/2014 0347
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/11/2014 0347
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/11/2014 0347
Ethylbenzene	ND		50	250	85	ug/kg	04/11/2014 0347
2-Hexanone	ND		50	500	65	ug/kg	04/11/2014 0347
Isopropylbenzene	ND		50	250	12	ug/kg	04/11/2014 0347
Methyl acetate	ND		50	250	49	ug/kg	04/11/2014 0347
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/11/2014 0347
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/11/2014 0347
Methylcyclohexane	ND		50	250	21	ug/kg	04/11/2014 0347
Methylene chloride	ND		50	250	130	ug/kg	04/11/2014 0347
Styrene	ND		50	250	55	ug/kg	04/11/2014 0347
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/11/2014 0347
Toluene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/11/2014 0347
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/11/2014 0347
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/11/2014 0347
Trichloroethene	ND		50	250	95	ug/kg	04/11/2014 0347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44550-001
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/11/2014 0347
Vinyl chloride	ND		50	250	43	ug/kg	04/11/2014 0347
Xylenes (total)	ND		50	250	150	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44550-002
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	60	60-140	04/14/2014 1002
Benzene	2500	2400		50	95	69-123	04/14/2014 1002
Bromodichloromethane	2500	2400		50	95	69-121	04/14/2014 1002
Bromoform	2500	2300		50	92	61-119	04/14/2014 1002
Bromomethane (Methyl bromide)	2500	2300		50	92	10-168	04/14/2014 1002
2-Butanone (MEK)	5000	4500		50	91	57-148	04/14/2014 1002
Carbon disulfide	2500	2200		50	87	58-122	04/14/2014 1002
Carbon tetrachloride	2500	2500		50	102	58-136	04/14/2014 1002
Chlorobenzene	2500	2400		50	98	59-129	04/14/2014 1002
Chloroethane	2500	2200		50	89	42-163	04/14/2014 1002
Chloroform	2500	2300		50	93	71-125	04/14/2014 1002
Chloromethane (Methyl chloride)	2500	2100		50	83	34-134	04/14/2014 1002
Cyclohexane	2500	2400		50	96	53-139	04/14/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	97	55-125	04/14/2014 1002
Dibromochloromethane	2500	2400		50	97	66-119	04/14/2014 1002
1,2-Dibromoethane (EDB)	2500	2300		50	94	74-124	04/14/2014 1002
1,4-Dichlorobenzene	2500	2500		50	98	52-133	04/14/2014 1002
1,3-Dichlorobenzene	2500	2500		50	100	51-134	04/14/2014 1002
1,2-Dichlorobenzene	2500	2400		50	96	57-131	04/14/2014 1002
Dichlorodifluoromethane	2500	2000		50	80	10-157	04/14/2014 1002
1,2-Dichloroethane	2500	2300		50	90	67-129	04/14/2014 1002
1,1-Dichloroethane	2500	2400		50	95	71-127	04/14/2014 1002
trans-1,2-Dichloroethene	2500	2400		50	95	68-131	04/14/2014 1002
cis-1,2-Dichloroethene	2500	2300		50	94	70-122	04/14/2014 1002
1,1-Dichloroethene	2500	2400		50	97	69-138	04/14/2014 1002
1,2-Dichloropropane	2500	2400		50	95	72-124	04/14/2014 1002
trans-1,3-Dichloropropene	2500	2400		50	96	70-124	04/14/2014 1002
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/14/2014 1002
Ethylbenzene	2500	2500		50	102	59-128	04/14/2014 1002
2-Hexanone	5000	4600		50	93	54-137	04/14/2014 1002
Isopropylbenzene	2500	2700		50	110	50-136	04/14/2014 1002
Methyl acetate	2500	2400		50	96	59-137	04/14/2014 1002
Methyl tertiary butyl ether (MTBE)	2500	2300		50	90	70-130	04/14/2014 1002
4-Methyl-2-pentanone	5000	4700		50	93	60-134	04/14/2014 1002
Methylcyclohexane	2500	2500		50	101	41-144	04/14/2014 1002
Methylene chloride	2500	2200		50	90	70-130	04/14/2014 1002
Styrene	2500	2400		50	98	54-136	04/14/2014 1002
1,1,2,2-Tetrachloroethane	2500	2400		50	96	69-132	04/14/2014 1002
Toluene	2500	2400		50	96	61-129	04/14/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	114	49-136	04/14/2014 1002
1,2,4-Trichlorobenzene	2500	2300		50	94	34-145	04/14/2014 1002
1,1,2-Trichloroethane	2500	2300		50	93	55-128	04/14/2014 1002
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/14/2014 1002
Trichloroethene	2500	2400		50	98	62-126	04/14/2014 1002

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44550-002
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	2500	2700		50	109	45-138	04/14/2014 1002
Vinyl chloride	2500	2200		50	90	42-132	04/14/2014 1002
Xylenes (total)	5000	5000		50	100	58-128	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44550-003
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3100		50	62	3.2	60-140	20	04/14/2014 1025
Benzene	2500	2600		50	104	8.9	69-123	20	04/14/2014 1025
Bromodichloromethane	2500	2600		50	105	10	69-121	20	04/14/2014 1025
Bromoform	2500	2500		50	102	10	61-119	20	04/14/2014 1025
Bromomethane (Methyl bromide)	2500	2500		50	98	6.8	10-168	20	04/14/2014 1025
2-Butanone (MEK)	5000	4700		50	93	2.3	57-148	20	04/14/2014 1025
Carbon disulfide	2500	2300		50	92	5.8	58-122	20	04/14/2014 1025
Carbon tetrachloride	2500	2700		50	108	6.4	58-136	20	04/14/2014 1025
Chlorobenzene	2500	2700		50	107	9.4	59-129	20	04/14/2014 1025
Chloroethane	2500	2400		50	95	6.2	42-163	20	04/14/2014 1025
Chloroform	2500	2600		50	105	12	71-125	20	04/14/2014 1025
Chloromethane (Methyl chloride)	2500	2200		50	88	6.0	34-134	20	04/14/2014 1025
Cyclohexane	2500	2500		50	102	6.3	53-139	20	04/14/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	92	4.4	55-125	20	04/14/2014 1025
Dibromochloromethane	2500	2700		50	107	10	66-119	20	04/14/2014 1025
1,2-Dibromoethane (EDB)	2500	2600		50	103	9.7	74-124	20	04/14/2014 1025
1,4-Dichlorobenzene	2500	2600		50	106	7.8	52-133	20	04/14/2014 1025
1,3-Dichlorobenzene	2500	2700		50	108	7.6	51-134	20	04/14/2014 1025
1,2-Dichlorobenzene	2500	2600		50	105	9.5	57-131	20	04/14/2014 1025
Dichlorodifluoromethane	2500	2100		50	84	4.8	10-157	20	04/14/2014 1025
1,2-Dichloroethane	2500	2600		50	103	13	67-129	20	04/14/2014 1025
1,1-Dichloroethane	2500	2600		50	104	9.0	71-127	20	04/14/2014 1025
trans-1,2-Dichloroethene	2500	2600		50	103	8.4	68-131	20	04/14/2014 1025
cis-1,2-Dichloroethene	2500	2500		50	102	8.2	70-122	20	04/14/2014 1025
1,1-Dichloroethene	2500	2500		50	101	4.3	69-138	20	04/14/2014 1025
1,2-Dichloropropane	2500	2600		50	105	9.4	72-124	20	04/14/2014 1025
trans-1,3-Dichloropropene	2500	2700		50	106	11	70-124	20	04/14/2014 1025
cis-1,3-Dichloropropene	2500	2600		50	105	12	70-126	20	04/14/2014 1025
Ethylbenzene	2500	2700		50	109	6.7	59-128	20	04/14/2014 1025
2-Hexanone	5000	4800		50	95	2.5	54-137	20	04/14/2014 1025
Isopropylbenzene	2500	2800		50	114	3.9	50-136	20	04/14/2014 1025
Methyl acetate	2500	2500		50	101	5.9	59-137	20	04/14/2014 1025
Methyl tertiary butyl ether (MTBE)	2500	2500		50	99	9.3	70-130	20	04/14/2014 1025
4-Methyl-2-pentanone	5000	4800		50	96	2.8	60-134	20	04/14/2014 1025
Methylcyclohexane	2500	2700		50	109	7.1	41-144	20	04/14/2014 1025
Methylene chloride	2500	2400		50	98	8.5	70-130	20	04/14/2014 1025
Styrene	2500	2700		50	108	10	54-136	20	04/14/2014 1025
1,1,2,2-Tetrachloroethane	2500	2500		50	100	4.2	69-132	20	04/14/2014 1025
Toluene	2500	2600		50	103	7.6	61-129	20	04/14/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	6.6	49-136	20	04/14/2014 1025
1,2,4-Trichlorobenzene	2500	2600		50	103	9.3	34-145	20	04/14/2014 1025
1,1,2-Trichloroethane	2500	2600		50	102	9.7	55-128	20	04/14/2014 1025
1,1,1-Trichloroethane	2500	2700		50	107	5.8	63-128	20	04/14/2014 1025
Trichloroethene	2500	2700		50	108	10	62-126	20	04/14/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44550-003
Batch: 44550
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichlorofluoromethane	2500	2900		50	114	5.0	45-138	20	04/14/2014 1025
Vinyl chloride	2500	2300		50	93	3.5	42-132	20	04/14/2014 1025
Xylenes (total)	5000	5400		50	109	8.1	58-128	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44619-001
Batch: 44619
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/11/2014 0347
Benzene	ND		50	250	55	ug/kg	04/11/2014 0347
Bromodichloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
Bromoform	ND		50	250	35	ug/kg	04/11/2014 0347
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/11/2014 0347
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/11/2014 0347
Carbon disulfide	ND		50	250	65	ug/kg	04/11/2014 0347
Carbon tetrachloride	ND		50	250	90	ug/kg	04/11/2014 0347
Chlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Chloroethane	ND		50	250	65	ug/kg	04/11/2014 0347
Chloroform	ND		50	250	42	ug/kg	04/11/2014 0347
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/11/2014 0347
Cyclohexane	ND		50	250	34	ug/kg	04/11/2014 0347
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/11/2014 0347
Dibromochloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/11/2014 0347
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/11/2014 0347
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/11/2014 0347
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/11/2014 0347
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/11/2014 0347
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/11/2014 0347
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/11/2014 0347
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/11/2014 0347
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/11/2014 0347
Ethylbenzene	ND		50	250	85	ug/kg	04/11/2014 0347
2-Hexanone	ND		50	500	65	ug/kg	04/11/2014 0347
Isopropylbenzene	ND		50	250	12	ug/kg	04/11/2014 0347
Methyl acetate	ND		50	250	49	ug/kg	04/11/2014 0347
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/11/2014 0347
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/11/2014 0347
Methylcyclohexane	ND		50	250	21	ug/kg	04/11/2014 0347
Methylene chloride	ND		50	250	130	ug/kg	04/11/2014 0347
Styrene	ND		50	250	55	ug/kg	04/11/2014 0347
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/11/2014 0347
Tetrachloroethene	ND		50	250	25	ug/kg	04/11/2014 0347
Toluene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/11/2014 0347
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/11/2014 0347
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/11/2014 0347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44619-001
Batch: 44619
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/11/2014 0347
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/11/2014 0347
Vinyl chloride	ND		50	250	43	ug/kg	04/11/2014 0347
Xylenes (total)	ND		50	250	150	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44619-002
Batch: 44619
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	60	60-140	04/14/2014 1002
Benzene	2500	2400		50	95	69-123	04/14/2014 1002
Bromodichloromethane	2500	2400		50	95	69-121	04/14/2014 1002
Bromoform	2500	2300		50	92	61-119	04/14/2014 1002
Bromomethane (Methyl bromide)	2500	2300		50	92	10-168	04/14/2014 1002
2-Butanone (MEK)	5000	4500		50	91	57-148	04/14/2014 1002
Carbon disulfide	2500	2200		50	87	58-122	04/14/2014 1002
Carbon tetrachloride	2500	2500		50	102	58-136	04/14/2014 1002
Chlorobenzene	2500	2400		50	98	59-129	04/14/2014 1002
Chloroethane	2500	2200		50	89	42-163	04/14/2014 1002
Chloroform	2500	2300		50	93	71-125	04/14/2014 1002
Chloromethane (Methyl chloride)	2500	2100		50	83	34-134	04/14/2014 1002
Cyclohexane	2500	2400		50	96	53-139	04/14/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	97	55-125	04/14/2014 1002
Dibromochloromethane	2500	2400		50	97	66-119	04/14/2014 1002
1,2-Dibromoethane (EDB)	2500	2300		50	94	74-124	04/14/2014 1002
1,4-Dichlorobenzene	2500	2500		50	98	52-133	04/14/2014 1002
1,3-Dichlorobenzene	2500	2500		50	100	51-134	04/14/2014 1002
1,2-Dichlorobenzene	2500	2400		50	96	57-131	04/14/2014 1002
Dichlorodifluoromethane	2500	2000		50	80	10-157	04/14/2014 1002
1,2-Dichloroethane	2500	2300		50	90	67-129	04/14/2014 1002
1,1-Dichloroethane	2500	2400		50	95	71-127	04/14/2014 1002
trans-1,2-Dichloroethene	2500	2400		50	95	68-131	04/14/2014 1002
cis-1,2-Dichloroethene	2500	2300		50	94	70-122	04/14/2014 1002
1,1-Dichloroethene	2500	2400		50	97	69-138	04/14/2014 1002
1,2-Dichloropropane	2500	2400		50	95	72-124	04/14/2014 1002
trans-1,3-Dichloropropene	2500	2400		50	96	70-124	04/14/2014 1002
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/14/2014 1002
Ethylbenzene	2500	2500		50	102	59-128	04/14/2014 1002
2-Hexanone	5000	4600		50	93	54-137	04/14/2014 1002
Isopropylbenzene	2500	2700		50	110	50-136	04/14/2014 1002
Methyl acetate	2500	2400		50	96	59-137	04/14/2014 1002
Methyl tertiary butyl ether (MTBE)	2500	2300		50	90	70-130	04/14/2014 1002
4-Methyl-2-pentanone	5000	4700		50	93	60-134	04/14/2014 1002
Methylcyclohexane	2500	2500		50	101	41-144	04/14/2014 1002
Methylene chloride	2500	2200		50	90	70-130	04/14/2014 1002
Styrene	2500	2400		50	98	54-136	04/14/2014 1002
1,1,2,2-Tetrachloroethane	2500	2400		50	96	69-132	04/14/2014 1002
Tetrachloroethene	2500	2600		50	103	45-150	04/14/2014 1002
Toluene	2500	2400		50	96	61-129	04/14/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	114	49-136	04/14/2014 1002
1,2,4-Trichlorobenzene	2500	2300		50	94	34-145	04/14/2014 1002
1,1,2-Trichloroethane	2500	2300		50	93	55-128	04/14/2014 1002
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/14/2014 1002

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44619-002
Batch: 44619
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2400		50	98	62-126	04/14/2014 1002
Trichlorofluoromethane	2500	2700		50	109	45-138	04/14/2014 1002
Vinyl chloride	2500	2200		50	90	42-132	04/14/2014 1002
Xylenes (total)	5000	5000		50	100	58-128	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44619-003
Batch: 44619
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3100		50	62	3.2	60-140	20	04/14/2014 1025
Benzene	2500	2600		50	104	8.9	69-123	20	04/14/2014 1025
Bromodichloromethane	2500	2600		50	105	10	69-121	20	04/14/2014 1025
Bromoform	2500	2500		50	102	10	61-119	20	04/14/2014 1025
Bromomethane (Methyl bromide)	2500	2500		50	98	6.8	10-168	20	04/14/2014 1025
2-Butanone (MEK)	5000	4700		50	93	2.3	57-148	20	04/14/2014 1025
Carbon disulfide	2500	2300		50	92	5.8	58-122	20	04/14/2014 1025
Carbon tetrachloride	2500	2700		50	108	6.4	58-136	20	04/14/2014 1025
Chlorobenzene	2500	2700		50	107	9.4	59-129	20	04/14/2014 1025
Chloroethane	2500	2400		50	95	6.2	42-163	20	04/14/2014 1025
Chloroform	2500	2600		50	105	12	71-125	20	04/14/2014 1025
Chloromethane (Methyl chloride)	2500	2200		50	88	6.0	34-134	20	04/14/2014 1025
Cyclohexane	2500	2500		50	102	6.3	53-139	20	04/14/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	92	4.4	55-125	20	04/14/2014 1025
Dibromochloromethane	2500	2700		50	107	10	66-119	20	04/14/2014 1025
1,2-Dibromoethane (EDB)	2500	2600		50	103	9.7	74-124	20	04/14/2014 1025
1,4-Dichlorobenzene	2500	2600		50	106	7.8	52-133	20	04/14/2014 1025
1,3-Dichlorobenzene	2500	2700		50	108	7.6	51-134	20	04/14/2014 1025
1,2-Dichlorobenzene	2500	2600		50	105	9.5	57-131	20	04/14/2014 1025
Dichlorodifluoromethane	2500	2100		50	84	4.8	10-157	20	04/14/2014 1025
1,2-Dichloroethane	2500	2600		50	103	13	67-129	20	04/14/2014 1025
1,1-Dichloroethane	2500	2600		50	104	9.0	71-127	20	04/14/2014 1025
trans-1,2-Dichloroethene	2500	2600		50	103	8.4	68-131	20	04/14/2014 1025
cis-1,2-Dichloroethene	2500	2500		50	102	8.2	70-122	20	04/14/2014 1025
1,1-Dichloroethene	2500	2500		50	101	4.3	69-138	20	04/14/2014 1025
1,2-Dichloropropane	2500	2600		50	105	9.4	72-124	20	04/14/2014 1025
trans-1,3-Dichloropropene	2500	2700		50	106	11	70-124	20	04/14/2014 1025
cis-1,3-Dichloropropene	2500	2600		50	105	12	70-126	20	04/14/2014 1025
Ethylbenzene	2500	2700		50	109	6.7	59-128	20	04/14/2014 1025
2-Hexanone	5000	4800		50	95	2.5	54-137	20	04/14/2014 1025
Isopropylbenzene	2500	2800		50	114	3.9	50-136	20	04/14/2014 1025
Methyl acetate	2500	2500		50	101	5.9	59-137	20	04/14/2014 1025
Methyl tertiary butyl ether (MTBE)	2500	2500		50	99	9.3	70-130	20	04/14/2014 1025
4-Methyl-2-pentanone	5000	4800		50	96	2.8	60-134	20	04/14/2014 1025
Methylcyclohexane	2500	2700		50	109	7.1	41-144	20	04/14/2014 1025
Methylene chloride	2500	2400		50	98	8.5	70-130	20	04/14/2014 1025
Styrene	2500	2700		50	108	10	54-136	20	04/14/2014 1025
1,1,2,2-Tetrachloroethane	2500	2500		50	100	4.2	69-132	20	04/14/2014 1025
Tetrachloroethene	2500	2700		50	109	5.6	45-150	20	04/14/2014 1025
Toluene	2500	2600		50	103	7.6	61-129	20	04/14/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	6.6	49-136	20	04/14/2014 1025
1,2,4-Trichlorobenzene	2500	2600		50	103	9.3	34-145	20	04/14/2014 1025
1,1,2-Trichloroethane	2500	2600		50	102	9.7	55-128	20	04/14/2014 1025
1,1,1-Trichloroethane	2500	2700		50	107	5.8	63-128	20	04/14/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44619-003
Batch: 44619
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2700		50	108	10	62-126	20	04/14/2014 1025
Trichlorofluoromethane	2500	2900		50	114	5.0	45-138	20	04/14/2014 1025
Vinyl chloride	2500	2300		50	93	3.5	42-132	20	04/14/2014 1025
Xylenes (total)	5000	5400		50	109	8.1	58-128	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44761-001
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/14/2014 1151
Benzene	ND		1	5.0	1.1	ug/kg	04/14/2014 1151
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
Bromoform	ND		1	5.0	0.70	ug/kg	04/14/2014 1151
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/14/2014 1151
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/14/2014 1151
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/14/2014 1151
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/14/2014 1151
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
Chloroethane	ND		1	5.0	1.3	ug/kg	04/14/2014 1151
Chloroform	ND		1	5.0	0.83	ug/kg	04/14/2014 1151
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/14/2014 1151
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/14/2014 1151
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/14/2014 1151
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/14/2014 1151
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/14/2014 1151
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/14/2014 1151
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/14/2014 1151
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/14/2014 1151
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/14/2014 1151
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/14/2014 1151
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/14/2014 1151
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/14/2014 1151
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
2-Hexanone	ND		1	10	1.3	ug/kg	04/14/2014 1151
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/14/2014 1151
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/14/2014 1151
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/14/2014 1151
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/14/2014 1151
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/14/2014 1151
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/14/2014 1151
Styrene	ND		1	5.0	1.1	ug/kg	04/14/2014 1151
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/14/2014 1151
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/14/2014 1151
Toluene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/14/2014 1151
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/14/2014 1151
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/14/2014 1151

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44761-001
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/14/2014 1151
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/14/2014 1151
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/14/2014 1151
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/14/2014 1151

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44761-002
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	93		1	93	60-140	04/14/2014 1019
Benzene	50	44		1	88	69-123	04/14/2014 1019
Bromodichloromethane	50	44		1	88	69-121	04/14/2014 1019
Bromoform	50	46		1	92	61-119	04/14/2014 1019
Bromomethane (Methyl bromide)	50	47		1	94	10-168	04/14/2014 1019
2-Butanone (MEK)	100	100		1	104	57-148	04/14/2014 1019
Carbon disulfide	50	47		1	93	58-122	04/14/2014 1019
Carbon tetrachloride	50	46		1	92	58-136	04/14/2014 1019
Chlorobenzene	50	43		1	85	59-129	04/14/2014 1019
Chloroethane	50	49		1	97	42-163	04/14/2014 1019
Chloroform	50	45		1	90	71-125	04/14/2014 1019
Chloromethane (Methyl chloride)	50	49		1	97	34-134	04/14/2014 1019
Cyclohexane	50	45		1	90	53-139	04/14/2014 1019
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	55-125	04/14/2014 1019
Dibromochloromethane	50	44		1	87	66-119	04/14/2014 1019
1,2-Dibromoethane (EDB)	50	45		1	90	74-124	04/14/2014 1019
1,2-Dichlorobenzene	50	43		1	85	57-131	04/14/2014 1019
1,3-Dichlorobenzene	50	42		1	84	51-134	04/14/2014 1019
1,4-Dichlorobenzene	50	40		1	81	52-133	04/14/2014 1019
Dichlorodifluoromethane	50	53		1	107	10-157	04/14/2014 1019
1,1-Dichloroethane	50	46		1	91	71-127	04/14/2014 1019
1,2-Dichloroethane	50	46		1	93	67-129	04/14/2014 1019
1,1-Dichloroethene	50	47		1	94	69-138	04/14/2014 1019
cis-1,2-Dichloroethene	50	46		1	91	70-122	04/14/2014 1019
trans-1,2-Dichloroethene	50	46		1	92	68-131	04/14/2014 1019
1,2-Dichloropropane	50	44		1	88	72-124	04/14/2014 1019
cis-1,3-Dichloropropene	50	46		1	92	70-126	04/14/2014 1019
trans-1,3-Dichloropropene	50	44		1	89	70-124	04/14/2014 1019
Ethylbenzene	50	42		1	85	59-128	04/14/2014 1019
2-Hexanone	100	100		1	103	54-137	04/14/2014 1019
Isopropylbenzene	50	42		1	84	50-136	04/14/2014 1019
Methyl acetate	50	58		1	115	59-137	04/14/2014 1019
Methyl tertiary butyl ether (MTBE)	50	47		1	94	70-130	04/14/2014 1019
4-Methyl-2-pentanone	100	110		1	106	60-134	04/14/2014 1019
Methylcyclohexane	50	45		1	89	41-144	04/14/2014 1019
Methylene chloride	50	44		1	88	70-130	04/14/2014 1019
Styrene	50	45		1	90	54-136	04/14/2014 1019
1,1,2,2-Tetrachloroethane	50	45		1	90	69-132	04/14/2014 1019
Tetrachloroethene	50	41		1	81	45-150	04/14/2014 1019
Toluene	50	42		1	85	61-129	04/14/2014 1019
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	109	49-136	04/14/2014 1019
1,2,4-Trichlorobenzene	50	44		1	88	34-145	04/14/2014 1019
1,1,1-Trichloroethane	50	46		1	92	63-128	04/14/2014 1019
1,1,2-Trichloroethane	50	42		1	85	55-128	04/14/2014 1019

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44761-002
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	44		1	87	62-126	04/14/2014 1019
Trichlorofluoromethane	50	49		1	98	45-138	04/14/2014 1019
Vinyl chloride	50	48		1	95	42-132	04/14/2014 1019
Xylenes (total)	100	88		1	88	58-128	04/14/2014 1019

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		106	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44761-003
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	3.0	60-140	20	04/14/2014 1042
Benzene	50	43		1	86	2.1	69-123	20	04/14/2014 1042
Bromodichloromethane	50	44		1	88	0.46	69-121	20	04/14/2014 1042
Bromoform	50	46		1	92	0.015	61-119	20	04/14/2014 1042
Bromomethane (Methyl bromide)	50	45		1	90	4.2	10-168	20	04/14/2014 1042
2-Butanone (MEK)	100	100		1	100	3.9	57-148	20	04/14/2014 1042
Carbon disulfide	50	43		1	87	6.8	58-122	20	04/14/2014 1042
Carbon tetrachloride	50	44		1	87	5.1	58-136	20	04/14/2014 1042
Chlorobenzene	50	41		1	82	3.9	59-129	20	04/14/2014 1042
Chloroethane	50	47		1	94	3.2	42-163	20	04/14/2014 1042
Chloroform	50	44		1	87	2.5	71-125	20	04/14/2014 1042
Chloromethane (Methyl chloride)	50	47		1	94	3.4	34-134	20	04/14/2014 1042
Cyclohexane	50	43		1	86	4.5	53-139	20	04/14/2014 1042
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	1.2	55-125	20	04/14/2014 1042
Dibromochloromethane	50	44		1	88	0.69	66-119	20	04/14/2014 1042
1,2-Dibromoethane (EDB)	50	45		1	91	0.69	74-124	20	04/14/2014 1042
1,2-Dichlorobenzene	50	42		1	85	0.34	57-131	20	04/14/2014 1042
1,3-Dichlorobenzene	50	42		1	84	0.59	51-134	20	04/14/2014 1042
1,4-Dichlorobenzene	50	40		1	80	0.51	52-133	20	04/14/2014 1042
Dichlorodifluoromethane	50	50		1	101	5.6	10-157	20	04/14/2014 1042
1,1-Dichloroethane	50	44		1	87	4.0	71-127	20	04/14/2014 1042
1,2-Dichloroethane	50	46		1	92	0.75	67-129	20	04/14/2014 1042
1,1-Dichloroethene	50	44		1	88	6.7	69-138	20	04/14/2014 1042
cis-1,2-Dichloroethene	50	44		1	89	2.6	70-122	20	04/14/2014 1042
trans-1,2-Dichloroethene	50	44		1	88	4.7	68-131	20	04/14/2014 1042
1,2-Dichloropropane	50	43		1	86	1.7	72-124	20	04/14/2014 1042
cis-1,3-Dichloropropene	50	45		1	89	3.1	70-126	20	04/14/2014 1042
trans-1,3-Dichloropropene	50	44		1	88	0.77	70-124	20	04/14/2014 1042
Ethylbenzene	50	42		1	84	1.5	59-128	20	04/14/2014 1042
2-Hexanone	100	100		1	105	1.5	54-137	20	04/14/2014 1042
Isopropylbenzene	50	41		1	81	2.6	50-136	20	04/14/2014 1042
Methyl acetate	50	58		1	115	0.075	59-137	20	04/14/2014 1042
Methyl tertiary butyl ether (MTBE)	50	48		1	95	1.2	70-130	20	04/14/2014 1042
4-Methyl-2-pentanone	100	110		1	108	2.0	60-134	20	04/14/2014 1042
Methylcyclohexane	50	43		1	86	4.4	41-144	20	04/14/2014 1042
Methylene chloride	50	43		1	87	1.5	70-130	20	04/14/2014 1042
Styrene	50	43		1	86	3.9	54-136	20	04/14/2014 1042
1,1,2,2-Tetrachloroethane	50	46		1	91	1.9	69-132	20	04/14/2014 1042
Tetrachloroethene	50	40		1	81	0.35	45-150	20	04/14/2014 1042
Toluene	50	42		1	84	1.5	61-129	20	04/14/2014 1042
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	103	5.9	49-136	20	04/14/2014 1042
1,2,4-Trichlorobenzene	50	42		1	85	3.9	34-145	20	04/14/2014 1042
1,1,1-Trichloroethane	50	44		1	88	4.2	63-128	20	04/14/2014 1042
1,1,2-Trichloroethane	50	42		1	85	0.049	55-128	20	04/14/2014 1042

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44761-003
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	4.4	62-126	20	04/14/2014 1042
Trichlorofluoromethane	50	46		1	91	7.3	45-138	20	04/14/2014 1042
Vinyl chloride	50	44		1	88	7.7	42-132	20	04/14/2014 1042
Xylenes (total)	100	85		1	85	3.3	58-128	20	04/14/2014 1042

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		106	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44762-001
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/11/2014 0347
Benzene	ND		50	250	55	ug/kg	04/11/2014 0347
Bromodichloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
Bromoform	ND		50	250	35	ug/kg	04/11/2014 0347
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/11/2014 0347
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/11/2014 0347
Carbon disulfide	ND		50	250	65	ug/kg	04/11/2014 0347
Carbon tetrachloride	ND		50	250	90	ug/kg	04/11/2014 0347
Chlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Chloroethane	ND		50	250	65	ug/kg	04/11/2014 0347
Chloroform	ND		50	250	42	ug/kg	04/11/2014 0347
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/11/2014 0347
Cyclohexane	ND		50	250	34	ug/kg	04/11/2014 0347
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/11/2014 0347
Dibromochloromethane	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/11/2014 0347
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/11/2014 0347
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/11/2014 0347
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/11/2014 0347
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/11/2014 0347
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/11/2014 0347
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/11/2014 0347
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/11/2014 0347
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/11/2014 0347
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/11/2014 0347
Ethylbenzene	ND		50	250	85	ug/kg	04/11/2014 0347
2-Hexanone	ND		50	500	65	ug/kg	04/11/2014 0347
Isopropylbenzene	ND		50	250	12	ug/kg	04/11/2014 0347
Methyl acetate	ND		50	250	49	ug/kg	04/11/2014 0347
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/11/2014 0347
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/11/2014 0347
Methylcyclohexane	ND		50	250	21	ug/kg	04/11/2014 0347
Methylene chloride	ND		50	250	130	ug/kg	04/11/2014 0347
Styrene	ND		50	250	55	ug/kg	04/11/2014 0347
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/11/2014 0347
Tetrachloroethene	ND		50	250	25	ug/kg	04/11/2014 0347
Toluene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/11/2014 0347
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/11/2014 0347
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/11/2014 0347
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/11/2014 0347

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44762-001
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/11/2014 0347
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/11/2014 0347
Vinyl chloride	ND		50	250	43	ug/kg	04/11/2014 0347
Xylenes (total)	ND		50	250	150	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44762-002
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	60	60-140	04/14/2014 1002
Benzene	2500	2400		50	95	69-123	04/14/2014 1002
Bromodichloromethane	2500	2400		50	95	69-121	04/14/2014 1002
Bromoform	2500	2300		50	92	61-119	04/14/2014 1002
Bromomethane (Methyl bromide)	2500	2300		50	92	10-168	04/14/2014 1002
2-Butanone (MEK)	5000	4500		50	91	57-148	04/14/2014 1002
Carbon disulfide	2500	2200		50	87	58-122	04/14/2014 1002
Carbon tetrachloride	2500	2500		50	102	58-136	04/14/2014 1002
Chlorobenzene	2500	2400		50	98	59-129	04/14/2014 1002
Chloroethane	2500	2200		50	89	42-163	04/14/2014 1002
Chloroform	2500	2300		50	93	71-125	04/14/2014 1002
Chloromethane (Methyl chloride)	2500	2100		50	83	34-134	04/14/2014 1002
Cyclohexane	2500	2400		50	96	53-139	04/14/2014 1002
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	97	55-125	04/14/2014 1002
Dibromochloromethane	2500	2400		50	97	66-119	04/14/2014 1002
1,2-Dibromoethane (EDB)	2500	2300		50	94	74-124	04/14/2014 1002
1,4-Dichlorobenzene	2500	2500		50	98	52-133	04/14/2014 1002
1,3-Dichlorobenzene	2500	2500		50	100	51-134	04/14/2014 1002
1,2-Dichlorobenzene	2500	2400		50	96	57-131	04/14/2014 1002
Dichlorodifluoromethane	2500	2000		50	80	10-157	04/14/2014 1002
1,2-Dichloroethane	2500	2300		50	90	67-129	04/14/2014 1002
1,1-Dichloroethane	2500	2400		50	95	71-127	04/14/2014 1002
trans-1,2-Dichloroethene	2500	2400		50	95	68-131	04/14/2014 1002
cis-1,2-Dichloroethene	2500	2300		50	94	70-122	04/14/2014 1002
1,1-Dichloroethene	2500	2400		50	97	69-138	04/14/2014 1002
1,2-Dichloropropane	2500	2400		50	95	72-124	04/14/2014 1002
trans-1,3-Dichloropropene	2500	2400		50	96	70-124	04/14/2014 1002
cis-1,3-Dichloropropene	2500	2300		50	93	70-126	04/14/2014 1002
Ethylbenzene	2500	2500		50	102	59-128	04/14/2014 1002
2-Hexanone	5000	4600		50	93	54-137	04/14/2014 1002
Isopropylbenzene	2500	2700		50	110	50-136	04/14/2014 1002
Methyl acetate	2500	2400		50	96	59-137	04/14/2014 1002
Methyl tertiary butyl ether (MTBE)	2500	2300		50	90	70-130	04/14/2014 1002
4-Methyl-2-pentanone	5000	4700		50	93	60-134	04/14/2014 1002
Methylcyclohexane	2500	2500		50	101	41-144	04/14/2014 1002
Methylene chloride	2500	2200		50	90	70-130	04/14/2014 1002
Styrene	2500	2400		50	98	54-136	04/14/2014 1002
1,1,2,2-Tetrachloroethane	2500	2400		50	96	69-132	04/14/2014 1002
Tetrachloroethene	2500	2600		50	103	45-150	04/14/2014 1002
Toluene	2500	2400		50	96	61-129	04/14/2014 1002
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	114	49-136	04/14/2014 1002
1,2,4-Trichlorobenzene	2500	2300		50	94	34-145	04/14/2014 1002
1,1,2-Trichloroethane	2500	2300		50	93	55-128	04/14/2014 1002
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/14/2014 1002

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44762-002
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2400		50	98	62-126	04/14/2014 1002
Trichlorofluoromethane	2500	2700		50	109	45-138	04/14/2014 1002
Vinyl chloride	2500	2200		50	90	42-132	04/14/2014 1002
Xylenes (total)	5000	5000		50	100	58-128	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44762-003
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3100		50	62	3.2	60-140	20	04/14/2014 1025
Benzene	2500	2600		50	104	8.9	69-123	20	04/14/2014 1025
Bromodichloromethane	2500	2600		50	105	10	69-121	20	04/14/2014 1025
Bromoform	2500	2500		50	102	10	61-119	20	04/14/2014 1025
Bromomethane (Methyl bromide)	2500	2500		50	98	6.8	10-168	20	04/14/2014 1025
2-Butanone (MEK)	5000	4700		50	93	2.3	57-148	20	04/14/2014 1025
Carbon disulfide	2500	2300		50	92	5.8	58-122	20	04/14/2014 1025
Carbon tetrachloride	2500	2700		50	108	6.4	58-136	20	04/14/2014 1025
Chlorobenzene	2500	2700		50	107	9.4	59-129	20	04/14/2014 1025
Chloroethane	2500	2400		50	95	6.2	42-163	20	04/14/2014 1025
Chloroform	2500	2600		50	105	12	71-125	20	04/14/2014 1025
Chloromethane (Methyl chloride)	2500	2200		50	88	6.0	34-134	20	04/14/2014 1025
Cyclohexane	2500	2500		50	102	6.3	53-139	20	04/14/2014 1025
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	92	4.4	55-125	20	04/14/2014 1025
Dibromochloromethane	2500	2700		50	107	10	66-119	20	04/14/2014 1025
1,2-Dibromoethane (EDB)	2500	2600		50	103	9.7	74-124	20	04/14/2014 1025
1,4-Dichlorobenzene	2500	2600		50	106	7.8	52-133	20	04/14/2014 1025
1,3-Dichlorobenzene	2500	2700		50	108	7.6	51-134	20	04/14/2014 1025
1,2-Dichlorobenzene	2500	2600		50	105	9.5	57-131	20	04/14/2014 1025
Dichlorodifluoromethane	2500	2100		50	84	4.8	10-157	20	04/14/2014 1025
1,2-Dichloroethane	2500	2600		50	103	13	67-129	20	04/14/2014 1025
1,1-Dichloroethane	2500	2600		50	104	9.0	71-127	20	04/14/2014 1025
trans-1,2-Dichloroethene	2500	2600		50	103	8.4	68-131	20	04/14/2014 1025
cis-1,2-Dichloroethene	2500	2500		50	102	8.2	70-122	20	04/14/2014 1025
1,1-Dichloroethene	2500	2500		50	101	4.3	69-138	20	04/14/2014 1025
1,2-Dichloropropane	2500	2600		50	105	9.4	72-124	20	04/14/2014 1025
trans-1,3-Dichloropropene	2500	2700		50	106	11	70-124	20	04/14/2014 1025
cis-1,3-Dichloropropene	2500	2600		50	105	12	70-126	20	04/14/2014 1025
Ethylbenzene	2500	2700		50	109	6.7	59-128	20	04/14/2014 1025
2-Hexanone	5000	4800		50	95	2.5	54-137	20	04/14/2014 1025
Isopropylbenzene	2500	2800		50	114	3.9	50-136	20	04/14/2014 1025
Methyl acetate	2500	2500		50	101	5.9	59-137	20	04/14/2014 1025
Methyl tertiary butyl ether (MTBE)	2500	2500		50	99	9.3	70-130	20	04/14/2014 1025
4-Methyl-2-pentanone	5000	4800		50	96	2.8	60-134	20	04/14/2014 1025
Methylcyclohexane	2500	2700		50	109	7.1	41-144	20	04/14/2014 1025
Methylene chloride	2500	2400		50	98	8.5	70-130	20	04/14/2014 1025
Styrene	2500	2700		50	108	10	54-136	20	04/14/2014 1025
1,1,2,2-Tetrachloroethane	2500	2500		50	100	4.2	69-132	20	04/14/2014 1025
Tetrachloroethene	2500	2700		50	109	5.6	45-150	20	04/14/2014 1025
Toluene	2500	2600		50	103	7.6	61-129	20	04/14/2014 1025
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	6.6	49-136	20	04/14/2014 1025
1,2,4-Trichlorobenzene	2500	2600		50	103	9.3	34-145	20	04/14/2014 1025
1,1,2-Trichloroethane	2500	2600		50	102	9.7	55-128	20	04/14/2014 1025
1,1,1-Trichloroethane	2500	2700		50	107	5.8	63-128	20	04/14/2014 1025

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44762-003
Batch: 44762
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2700		50	108	10	62-126	20	04/14/2014 1025
Trichlorofluoromethane	2500	2900		50	114	5.0	45-138	20	04/14/2014 1025
Vinyl chloride	2500	2300		50	93	3.5	42-132	20	04/14/2014 1025
Xylenes (total)	5000	5400		50	109	8.1	58-128	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44769-001
Batch: 44769
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/14/2014 2321
Benzene	ND		1	5.0	1.1	ug/kg	04/14/2014 2321
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
Bromoform	ND		1	5.0	0.70	ug/kg	04/14/2014 2321
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/14/2014 2321
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/14/2014 2321
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/14/2014 2321
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/14/2014 2321
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
Chloroethane	ND		1	5.0	1.3	ug/kg	04/14/2014 2321
Chloroform	ND		1	5.0	0.83	ug/kg	04/14/2014 2321
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/14/2014 2321
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/14/2014 2321
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/14/2014 2321
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/14/2014 2321
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/14/2014 2321
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/14/2014 2321
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/14/2014 2321
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/14/2014 2321
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/14/2014 2321
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/14/2014 2321
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/14/2014 2321
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/14/2014 2321
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
2-Hexanone	ND		1	10	1.3	ug/kg	04/14/2014 2321
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/14/2014 2321
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/14/2014 2321
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/14/2014 2321
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/14/2014 2321
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/14/2014 2321
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/14/2014 2321
Styrene	ND		1	5.0	1.1	ug/kg	04/14/2014 2321
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/14/2014 2321
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/14/2014 2321
Toluene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/14/2014 2321
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 2321
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/14/2014 2321
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/14/2014 2321

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44769-001
Batch: 44769
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/14/2014 2321
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/14/2014 2321
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/14/2014 2321
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/14/2014 2321

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		127	47-138
1,2-Dichloroethane-d4		118	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44769-002
Batch: 44769
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	75		1	75	60-140	04/14/2014 2144
Benzene	50	41		1	82	69-123	04/14/2014 2144
Bromodichloromethane	50	42		1	84	69-121	04/14/2014 2144
Bromoform	50	46		1	93	61-119	04/14/2014 2144
Bromomethane (Methyl bromide)	50	42		1	84	10-168	04/14/2014 2144
2-Butanone (MEK)	100	110		1	114	57-148	04/14/2014 2144
Carbon disulfide	50	40		1	80	58-122	04/14/2014 2144
Carbon tetrachloride	50	40		1	81	58-136	04/14/2014 2144
Chlorobenzene	50	40		1	81	59-129	04/14/2014 2144
Chloroethane	50	42		1	83	42-163	04/14/2014 2144
Chloroform	50	41		1	82	71-125	04/14/2014 2144
Chloromethane (Methyl chloride)	50	42		1	84	34-134	04/14/2014 2144
Cyclohexane	50	40		1	81	53-139	04/14/2014 2144
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	97	55-125	04/14/2014 2144
Dibromochloromethane	50	44		1	89	66-119	04/14/2014 2144
1,2-Dibromoethane (EDB)	50	46		1	92	74-124	04/14/2014 2144
1,2-Dichlorobenzene	50	40		1	80	57-131	04/14/2014 2144
1,3-Dichlorobenzene	50	40		1	80	51-134	04/14/2014 2144
1,4-Dichlorobenzene	50	41		1	81	52-133	04/14/2014 2144
Dichlorodifluoromethane	50	44		1	89	10-157	04/14/2014 2144
1,1-Dichloroethane	50	41		1	83	71-127	04/14/2014 2144
1,2-Dichloroethane	50	43		1	86	67-129	04/14/2014 2144
trans-1,2-Dichloroethene	50	41		1	82	68-131	04/14/2014 2144
cis-1,2-Dichloroethene	50	41		1	82	70-122	04/14/2014 2144
1,1-Dichloroethene	50	42		1	84	69-138	04/14/2014 2144
1,2-Dichloropropane	50	43		1	85	72-124	04/14/2014 2144
trans-1,3-Dichloropropene	50	44		1	89	70-124	04/14/2014 2144
cis-1,3-Dichloropropene	50	43		1	86	70-126	04/14/2014 2144
Ethylbenzene	50	41		1	82	59-128	04/14/2014 2144
2-Hexanone	100	110		1	112	54-137	04/14/2014 2144
Isopropylbenzene	50	41		1	82	50-136	04/14/2014 2144
Methyl acetate	50	57		1	115	59-137	04/14/2014 2144
Methyl tertiary butyl ether (MTBE)	50	45		1	91	70-130	04/14/2014 2144
4-Methyl-2-pentanone	100	110		1	111	60-134	04/14/2014 2144
Methylcyclohexane	50	40		1	81	41-144	04/14/2014 2144
Methylene chloride	50	41		1	82	70-130	04/14/2014 2144
Styrene	50	42		1	84	54-136	04/14/2014 2144
1,1,2,2-Tetrachloroethane	50	48		1	97	69-132	04/14/2014 2144
Tetrachloroethene	50	40		1	81	45-150	04/14/2014 2144
Toluene	50	40		1	80	61-129	04/14/2014 2144
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	94	49-136	04/14/2014 2144
1,2,4-Trichlorobenzene	50	39		1	77	34-145	04/14/2014 2144
1,1,2-Trichloroethane	50	44		1	88	55-128	04/14/2014 2144
1,1,1-Trichloroethane	50	40		1	80	63-128	04/14/2014 2144

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44769-002
Batch: 44769
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	81	62-126	04/14/2014 2144
Trichlorofluoromethane	50	43		1	85	45-138	04/14/2014 2144
Vinyl chloride	50	41		1	83	42-132	04/14/2014 2144
Xylenes (total)	100	82		1	82	58-128	04/14/2014 2144

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		116	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		110	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44769-003
Batch: 44769
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	80		1	80	6.1	60-140	20	04/14/2014 2208
Benzene	50	42		1	83	0.93	69-123	20	04/14/2014 2208
Bromodichloromethane	50	42		1	85	0.62	69-121	20	04/14/2014 2208
Bromoform	50	46		1	93	0.32	61-119	20	04/14/2014 2208
Bromomethane (Methyl bromide)	50	42		1	84	0.50	10-168	20	04/14/2014 2208
2-Butanone (MEK)	100	100		1	101	11	57-148	20	04/14/2014 2208
Carbon disulfide	50	42		1	83	3.8	58-122	20	04/14/2014 2208
Carbon tetrachloride	50	42		1	84	4.0	58-136	20	04/14/2014 2208
Chlorobenzene	50	40		1	81	0.022	59-129	20	04/14/2014 2208
Chloroethane	50	43		1	85	2.8	42-163	20	04/14/2014 2208
Chloroform	50	42		1	84	2.1	71-125	20	04/14/2014 2208
Chloromethane (Methyl chloride)	50	43		1	87	2.9	34-134	20	04/14/2014 2208
Cyclohexane	50	41		1	83	2.2	53-139	20	04/14/2014 2208
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	1.4	55-125	20	04/14/2014 2208
Dibromochloromethane	50	44		1	87	1.6	66-119	20	04/14/2014 2208
1,2-Dibromoethane (EDB)	50	44		1	87	5.5	74-124	20	04/14/2014 2208
1,2-Dichlorobenzene	50	40		1	81	0.57	57-131	20	04/14/2014 2208
1,3-Dichlorobenzene	50	40		1	80	0.64	51-134	20	04/14/2014 2208
1,4-Dichlorobenzene	50	40		1	81	0.52	52-133	20	04/14/2014 2208
Dichlorodifluoromethane	50	47		1	94	5.9	10-157	20	04/14/2014 2208
1,1-Dichloroethane	50	44		1	87	5.1	71-127	20	04/14/2014 2208
1,2-Dichloroethane	50	45		1	90	3.5	67-129	20	04/14/2014 2208
trans-1,2-Dichloroethene	50	43		1	86	4.8	68-131	20	04/14/2014 2208
cis-1,2-Dichloroethene	50	43		1	87	5.3	70-122	20	04/14/2014 2208
1,1-Dichloroethene	50	44		1	88	4.0	69-138	20	04/14/2014 2208
1,2-Dichloropropane	50	42		1	83	2.5	72-124	20	04/14/2014 2208
trans-1,3-Dichloropropene	50	41		1	83	7.4	70-124	20	04/14/2014 2208
cis-1,3-Dichloropropene	50	41		1	81	6.2	70-126	20	04/14/2014 2208
Ethylbenzene	50	40		1	80	1.7	59-128	20	04/14/2014 2208
2-Hexanone	100	97		1	97	15	54-137	20	04/14/2014 2208
Isopropylbenzene	50	39		1	78	5.4	50-136	20	04/14/2014 2208
Methyl acetate	50	57		1	114	1.0	59-137	20	04/14/2014 2208
Methyl tertiary butyl ether (MTBE)	50	48		1	96	5.3	70-130	20	04/14/2014 2208
4-Methyl-2-pentanone	100	97		1	97	14	60-134	20	04/14/2014 2208
Methylcyclohexane	50	43		1	85	5.5	41-144	20	04/14/2014 2208
Methylene chloride	50	42		1	85	3.0	70-130	20	04/14/2014 2208
Styrene	50	42		1	83	0.44	54-136	20	04/14/2014 2208
1,1,2,2-Tetrachloroethane	50	44		1	87	10	69-132	20	04/14/2014 2208
Tetrachloroethene	50	40		1	80	1.2	45-150	20	04/14/2014 2208
Toluene	50	38		1	76	6.0	61-129	20	04/14/2014 2208
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	99	5.5	49-136	20	04/14/2014 2208
1,2,4-Trichlorobenzene	50	38		1	75	2.3	34-145	20	04/14/2014 2208
1,1,2-Trichloroethane	50	42		1	84	4.4	55-128	20	04/14/2014 2208
1,1,1-Trichloroethane	50	42		1	83	3.6	63-128	20	04/14/2014 2208

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44769-003
Batch: 44769
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	4.2	62-126	20	04/14/2014 2208
Trichlorofluoromethane	50	43		1	87	2.1	45-138	20	04/14/2014 2208
Vinyl chloride	50	43		1	86	3.2	42-132	20	04/14/2014 2208
Xylenes (total)	100	83		1	83	0.93	58-128	20	04/14/2014 2208

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		114	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44856-001
Batch: 44856
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		50	250	25	ug/kg	04/11/2014 0347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		83	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44856-002
Batch: 44856
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	2500	2600		50	103	45-150	04/14/2014 1002

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44856-003
Batch: 44856
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	2500	2700		50	109	5.6	45-150	20	04/14/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ44240-001
Batch: 44240
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/08/2014 1021

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	04/08/2014 1607
Acenaphthylene	ND		1	330	13	ug/kg	04/08/2014 1607
Anthracene	ND		1	330	15	ug/kg	04/08/2014 1607
Benzo(a)anthracene	ND		1	330	11	ug/kg	04/08/2014 1607
Benzo(a)pyrene	ND		1	330	24	ug/kg	04/08/2014 1607
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	04/08/2014 1607
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	04/08/2014 1607
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	04/08/2014 1607
Chrysene	ND		1	330	10	ug/kg	04/08/2014 1607
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	04/08/2014 1607
Fluoranthene	ND		1	330	10	ug/kg	04/08/2014 1607
Fluorene	ND		1	330	13	ug/kg	04/08/2014 1607
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	04/08/2014 1607
Naphthalene	ND		1	330	14	ug/kg	04/08/2014 1607
Phenanthrene	ND		1	330	13	ug/kg	04/08/2014 1607
Pyrene	ND		1	330	14	ug/kg	04/08/2014 1607

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		83	33-102
Nitrobenzene-d5		73	22-109
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44240-002
Batch: 44240
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/08/2014 1021

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2900		1	88	46-114	04/08/2014 1633
Acenaphthylene	3300	3600		1	107	44-122	04/08/2014 1633
Anthracene	3300	2900		1	87	50-119	04/08/2014 1633
Benzo(a)anthracene	3300	2800		1	84	47-121	04/08/2014 1633
Benzo(a)pyrene	3300	3100		1	92	55-134	04/08/2014 1633
Benzo(b)fluoranthene	3300	3000		1	90	28-139	04/08/2014 1633
Benzo(g,h,i)perylene	3300	2800		1	85	36-125	04/08/2014 1633
Benzo(k)fluoranthene	3300	3200		1	95	47-130	04/08/2014 1633
Chrysene	3300	2700		1	80	45-126	04/08/2014 1633
Dibenzo(a,h)anthracene	3300	3000		1	90	45-122	04/08/2014 1633
Fluoranthene	3300	2900		1	87	50-123	04/08/2014 1633
Fluorene	3300	2900		1	87	48-117	04/08/2014 1633
Indeno(1,2,3-c,d)pyrene	3300	2900		1	88	45-123	04/08/2014 1633
Naphthalene	3300	2800		1	84	36-110	04/08/2014 1633
Phenanthrene	3300	2900		1	86	49-117	04/08/2014 1633
Pyrene	3300	2800		1	84	47-119	04/08/2014 1633

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		89	33-102
Nitrobenzene-d5		84	22-109
Terphenyl-d14		92	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 19210

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 3
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 33764587.00001	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
										4	A	1	PD0507	
SB-29A (3-4')	4/2/14	1450	G				✓		✓					
SB-29A (14-15')	4/2/14	1455	G				✓		✓					
SB-33A (17-18')	4/2/14	1400	G				✓		✓					
SB-33A (22-23')	4/2/14	1410	G				✓		✓					
SB-35 (7-8')	4/2/14	1330	G				✓		✓					
SB-35 (17-18')	4/2/14	1340	G				✓		✓					
SB-35 (25-26')	4/2/14	1350	G				✓		✓					
SB-36 (5-6')	4/2/14	1515	G				✓		✓					
MS/MSD	4/2/14	1515	G				✓		✓					
SB-36 (18-19')	4/2/14	1525	G				✓		✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/4/14	1350	1. Received By:	4/4/14	1350
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date: 4/4/14	Time: 1607	4. Laboratory Received by: Kelly	Date: 4-4-14	Time: 1607

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check): ✓ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.3 °C — Temp. Blank ☐ Y / ✓ N

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Level 1 Report v2.1

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Chain of Custody Record

Number 19211

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page 2 of 3
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCl 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 33764587.00001	P.O Number:		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	PAHs 8270	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
									4	1	1					
									A	M	L				PD05007	
									1	1	1					
SB-36 (26-27')	4/2/14	1535	G				✓		✓							
SB-34 (17-18')	4/2/14	1115	G				✓		✓							HOLD (~~PAHs~~)
SB-53 (9-10')	4/2/14	1650	G				✓		✓	✓	✓					HOLD
SB-44 (11-12)	4/3/14	1100	G				✓		✓	✓	✓					
SB-44 (24-25)	4/3/14	1110	G				✓		✓	✓	✓					
SB-45 (0-1')	4/3/14	1205	G				✓		✓	✓	✓					
SB-45 (3-4')	4/3/14	1215	G				✓		✓	✓	✓					
SB-45 (15-16)	4/3/14	1225	G				✓		✓	✓	✓					
SB-45 (21-22')	4/3/14	1235	G				✓		✓	✓	✓					
DUP-3	4/3/14	1230	G				✓		✓	✓	✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/4/14	1350	1. Received by:	4/4/14	1350
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	4/4/14	1607	4. Laboratory Received by	Date 4-4-14 4-5-14	Time 1607

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1-3 °C
Temp Blank ☐ Y / ☐ N

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

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SHEALY

Chain of Custody Record

Number 19212

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page 3 of 3
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 33764587.00001	P.O Number:		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs 8260B	PAHs 8270	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
									4	1	1				PDOS007	
									A	M	L					
									1	1	1					
SB-46 (3-4')	4/3/14	1345	G				✓		✓	✓	✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/4/14	1350	1. Received by	4/4/14	1350
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	4/4/14	1607	4. Laboratory Received by	4-4-14	1607

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1-3 °C
Temp. Blank ☐ Y ☐ N

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP / 4-5-14 Lot #: PD05067

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 1184/1.2/1.3 °C / / °C / / °C / / °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: 70 /°C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____were received with bubbles >6 mm in diameter.			
Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: KWP Verified by:_____ Date: 4-5-14			

Comments:
No jar for T. solids for -001 through ~~-00~~ -012 used VOA screening
KWP 4-5-14

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PD09043

Date Completed: 04/17/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PD09043

Case Narrative
URS Corporation
Lot Number: PD09043

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Receipt

Per client request, samples -002, -016, -018, and -031 were not analyzed for 8260 VOCs or 8270 SVOCs.

The COC did not list depths for samples -032, 033, and -034. The depths were taken from the sample containers and confirmed with client.

VOCs by GC/MS

Due to matrix interferences, samples -003, -017, -022, -023, -024, -025, -026, -028, and -030 recovered one or more surrogate outside of method criteria. These samples were all reanalyzed yielding similar surrogate recoveries further illustrating that matrix interferences impacted surrogate recoveries.

Due to large detections of non-target compounds in the DRO range, samples -005, -008, -012, -015, and -019 had to be analyzed at 50X dilutions. All target compounds were non-detect for sample -008 at the elevated detection limits. Samples -005, -012, -015, and -019 have "J" value detections at the elevated detection limits.

The MS associated with batch 44665 recovered two compounds above method criteria due to matrix interferences. The associated sample was non-detect for these compounds indicating that no high bias occured.

The LCSD associated with batch 44774 recovered Toluene above method criteria. No corrective action was required as all associated samples were non-detect for this compound.

The LCSD associated with batch 44795 recovered 1,1,2-Trichloro-1,2,2-Trifluoroethane above method criteria. No corrective action was required as all associated samples were non-detect for this compound.

The relative percent difference (RPD) between the LCS and LCSD associated with batch 44878 recovered seven compounds outside of method criteria. These compounds have been qualified with a "+". No corrective action was performed as all recoveries were within acceptable ranges.

Sample Summary
URS Corporation
Lot Number: PD09043

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-56 (0-1')	Solid	04/08/2014 0955	04/09/2014
002	SB-56 (6-7')	Solid	04/08/2014 1005	04/09/2014
003	SB-56 (13-14')	Solid	04/08/2014 1015	04/09/2014
004	SB-56 (28-29')	Solid	04/08/2014 1025	04/09/2014
005	DUP-5	Solid	04/08/2014 1010	04/09/2014
006	SB-58 (4-5')	Solid	04/08/2014 1130	04/09/2014
007	SB-58 (9-10')	Solid	04/08/2014 1140	04/09/2014
008	SB-58 (23-24')	Solid	04/08/2014 1150	04/09/2014
009	SB-38 (0-1')	Solid	04/08/2014 1235	04/09/2014
010	SB-38 (24-25')	Solid	04/08/2014 1255	04/09/2014
011	SB-38 (16-17')	Solid	04/08/2014 1245	04/09/2014
012	SB-39 (5-6')	Solid	04/08/2014 1335	04/09/2014
013	SB-39 (14-15')	Solid	04/08/2014 1350	04/09/2014
014	SB-39 (22-23')	Solid	04/08/2014 1400	04/09/2014
015	SB-37 (4-5')	Solid	04/08/2014 1440	04/09/2014
016	SB-37 (12-13')	Solid	04/08/2014 1450	04/09/2014
017	SB-37 (23-24')	Solid	04/08/2014 1500	04/09/2014
018	SB-40 (4-5')	Solid	04/08/2014 1540	04/09/2014
019	SB-40 (17-18')	Solid	04/08/2014 1550	04/09/2014
020	SB-40 (23-24')	Solid	04/08/2014 1600	04/09/2014
021	SB-41 (1-2')	Solid	04/08/2014 1715	04/09/2014
022	SB-41 (14-15')	Solid	04/08/2014 1730	04/09/2014
023	SB-41 (23-24')	Solid	04/08/2014 1745	04/09/2014
024	SB-43 (7-8')	Solid	04/09/2014 0830	04/09/2014
025	SB-43 (10-11')	Solid	04/09/2014 0840	04/09/2014
026	SB-43 (19-20')	Solid	04/09/2014 0850	04/09/2014
027	DUP-6	Solid	04/09/2014 0855	04/09/2014
028	SB-42 (0-1')	Solid	04/09/2014 0925	04/09/2014
029	SB-42 (14-15')	Solid	04/09/2014 0945	04/09/2014
030	SB-42 (23-24')	Solid	04/09/2014 0955	04/09/2014
031	SB-42 (6-7')	Solid	04/09/2014 0935	04/09/2014
032	SB-50 (0-1')	Solid	04/09/2014 1035	04/09/2014
033	SB-50 (10-11')	Solid	04/09/2014 1045	04/09/2014
034	SB-50 (19-20')	Solid	04/09/2014 1055	04/09/2014
035	TRIP BLANK 4/8/14A	Aqueous	04/09/2014	04/09/2014
036	IDW-DRUMS 1&2	Solid	04/09/2014 1115	04/09/2014
037	TRIP BLANK 4/8/14B	Aqueous	04/09/2014	04/09/2014
038	TRIP BLANK 4/9/14	Aqueous	04/09/2014	04/09/2014

(38 samples)

Executive Summary
URS Corporation
Lot Number: PD09043

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
003	SB-56 (13-14')	Solid	Ethylbenzene	8260B	420		ug/kg	11
003	SB-56 (13-14')	Solid	Isopropylbenzene	8260B	550		ug/kg	11
003	SB-56 (13-14')	Solid	Methylcyclohexane	8260B	75	J	ug/kg	11
003	SB-56 (13-14')	Solid	Tetrachloroethene	8260B	42	J	ug/kg	11
003	SB-56 (13-14')	Solid	Xylenes (total)	8260B	1100		ug/kg	12
003	SB-56 (13-14')	Solid	Acenaphthene	8270D	1900		ug/kg	12
003	SB-56 (13-14')	Solid	Naphthalene	8270D	8100		ug/kg	12
003	SB-56 (13-14')	Solid	Phenanthrene	8270D	12000		ug/kg	12
003	SB-56 (13-14')	Solid	Pyrene	8270D	1100	J	ug/kg	12
004	SB-56 (28-29')	Solid	Ethylbenzene	8260B	2200		ug/kg	14
004	SB-56 (28-29')	Solid	Isopropylbenzene	8260B	2700		ug/kg	14
004	SB-56 (28-29')	Solid	Methylcyclohexane	8260B	2300		ug/kg	14
004	SB-56 (28-29')	Solid	Xylenes (total)	8260B	15000		ug/kg	15
004	SB-56 (28-29')	Solid	Acenaphthene	8270D	2200		ug/kg	15
004	SB-56 (28-29')	Solid	Naphthalene	8270D	15000		ug/kg	15
004	SB-56 (28-29')	Solid	Phenanthrene	8270D	16000		ug/kg	15
004	SB-56 (28-29')	Solid	Pyrene	8270D	970	J	ug/kg	15
005	DUP-5	Solid	Isopropylbenzene	8260B	42	J	ug/kg	17
005	DUP-5	Solid	Methylcyclohexane	8260B	66	J	ug/kg	17
005	DUP-5	Solid	Acenaphthene	8270D	1100		ug/kg	18
005	DUP-5	Solid	Phenanthrene	8270D	3200		ug/kg	18
005	DUP-5	Solid	Pyrene	8270D	570		ug/kg	18
006	SB-58 (4-5')	Solid	Isopropylbenzene	8260B	2.0	J	ug/kg	20
006	SB-58 (4-5')	Solid	Xylenes (total)	8260B	5.3	J	ug/kg	21
006	SB-58 (4-5')	Solid	Acenaphthene	8270D	25	J	ug/kg	21
006	SB-58 (4-5')	Solid	Phenanthrene	8270D	360	J	ug/kg	21
006	SB-58 (4-5')	Solid	Pyrene	8270D	30	J	ug/kg	21
008	SB-58 (23-24')	Solid	Phenanthrene	8270D	160	J	ug/kg	27
008	SB-58 (23-24')	Solid	Pyrene	8270D	43	J	ug/kg	27
009	SB-38 (0-1')	Solid	Tetrachloroethene	8260B	1.2	J	ug/kg	29
009	SB-38 (0-1')	Solid	Fluoranthene	8270D	12	J	ug/kg	30
010	SB-38 (24-25')	Solid	Isopropylbenzene	8260B	0.72	J	ug/kg	32
012	SB-39 (5-6')	Solid	Isopropylbenzene	8260B	54	J	ug/kg	38
012	SB-39 (5-6')	Solid	Benzo(a)anthracene	8270D	46	J	ug/kg	39
012	SB-39 (5-6')	Solid	Benzo(b)fluoranthene	8270D	36	J	ug/kg	39
012	SB-39 (5-6')	Solid	Chrysene	8270D	30	J	ug/kg	39
012	SB-39 (5-6')	Solid	Fluoranthene	8270D	80	J	ug/kg	39
012	SB-39 (5-6')	Solid	Naphthalene	8270D	26	J	ug/kg	39
012	SB-39 (5-6')	Solid	Phenanthrene	8270D	42	J	ug/kg	39
012	SB-39 (5-6')	Solid	Pyrene	8270D	57	J	ug/kg	39
013	SB-39 (14-15')	Solid	Ethylbenzene	8260B	610		ug/kg	41
013	SB-39 (14-15')	Solid	Isopropylbenzene	8260B	2700		ug/kg	41
013	SB-39 (14-15')	Solid	Methylcyclohexane	8260B	470		ug/kg	41
013	SB-39 (14-15')	Solid	Xylenes (total)	8260B	4300		ug/kg	42
013	SB-39 (14-15')	Solid	Benzo(a)anthracene	8270D	42	J	ug/kg	42

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
013	SB-39 (14-15')	Solid	Chrysene	8270D	46	J	ug/kg	42
013	SB-39 (14-15')	Solid	Fluoranthene	8270D	94	J	ug/kg	42
013	SB-39 (14-15')	Solid	Naphthalene	8270D	450		ug/kg	42
013	SB-39 (14-15')	Solid	Phenanthrene	8270D	170	J	ug/kg	42
013	SB-39 (14-15')	Solid	Pyrene	8270D	88	J	ug/kg	42
014	SB-39 (22-23')	Solid	Ethylbenzene	8260B	720		ug/kg	44
014	SB-39 (22-23')	Solid	Isopropylbenzene	8260B	4600		ug/kg	44
014	SB-39 (22-23')	Solid	Methylcyclohexane	8260B	500	J	ug/kg	44
014	SB-39 (22-23')	Solid	Xylenes (total)	8260B	10000		ug/kg	45
014	SB-39 (22-23')	Solid	Naphthalene	8270D	460		ug/kg	45
015	SB-37 (4-5')	Solid	Acetone	8260B	450	J	ug/kg	47
015	SB-37 (4-5')	Solid	Tetrachloroethene	8260B	270	J	ug/kg	47
015	SB-37 (4-5')	Solid	Phenanthrene	8270D	20	J	ug/kg	48
017	SB-37 (23-24')	Solid	Ethylbenzene	8260B	580		ug/kg	50
017	SB-37 (23-24')	Solid	Isopropylbenzene	8260B	1600		ug/kg	50
017	SB-37 (23-24')	Solid	Methylcyclohexane	8260B	420		ug/kg	50
017	SB-37 (23-24')	Solid	Tetrachloroethene	8260B	140	J	ug/kg	50
017	SB-37 (23-24')	Solid	Xylenes (total)	8260B	4800		ug/kg	51
017	SB-37 (23-24')	Solid	Acenaphthene	8270D	360	J	ug/kg	51
017	SB-37 (23-24')	Solid	Naphthalene	8270D	2900		ug/kg	51
017	SB-37 (23-24')	Solid	Phenanthrene	8270D	4700		ug/kg	51
017	SB-37 (23-24')	Solid	Pyrene	8270D	260	J	ug/kg	51
019	SB-40 (17-18')	Solid	Isopropylbenzene	8260B	110	J	ug/kg	53
019	SB-40 (17-18')	Solid	Naphthalene	8270D	63	J	ug/kg	54
019	SB-40 (17-18')	Solid	Phenanthrene	8270D	19	J	ug/kg	54
020	SB-40 (23-24')	Solid	cis-1,2-Dichloroethene	8260B	49	J	ug/kg	56
020	SB-40 (23-24')	Solid	Ethylbenzene	8260B	630		ug/kg	56
020	SB-40 (23-24')	Solid	2-Hexanone	8260B	4000		ug/kg	56
020	SB-40 (23-24')	Solid	Isopropylbenzene	8260B	2700		ug/kg	56
020	SB-40 (23-24')	Solid	Methylcyclohexane	8260B	380		ug/kg	56
020	SB-40 (23-24')	Solid	Tetrachloroethene	8260B	2300		ug/kg	56
020	SB-40 (23-24')	Solid	Xylenes (total)	8260B	4700		ug/kg	57
020	SB-40 (23-24')	Solid	Naphthalene	8270D	2000		ug/kg	57
020	SB-40 (23-24')	Solid	Phenanthrene	8270D	38	J	ug/kg	57
021	SB-41 (1-2')	Solid	Tetrachloroethene	8260B	34		ug/kg	59
022	SB-41 (14-15')	Solid	Ethylbenzene	8260B	230	J	ug/kg	62
022	SB-41 (14-15')	Solid	Isopropylbenzene	8260B	1800		ug/kg	62
022	SB-41 (14-15')	Solid	Methylcyclohexane	8260B	120	J	ug/kg	62
022	SB-41 (14-15')	Solid	Tetrachloroethene	8260B	2200		ug/kg	62
022	SB-41 (14-15')	Solid	Xylenes (total)	8260B	4100		ug/kg	63
022	SB-41 (14-15')	Solid	Naphthalene	8270D	230	J	ug/kg	63
023	SB-41 (23-24')	Solid	Ethylbenzene	8260B	200	J	ug/kg	65
023	SB-41 (23-24')	Solid	Isopropylbenzene	8260B	1400		ug/kg	65
023	SB-41 (23-24')	Solid	Methylcyclohexane	8260B	140	J	ug/kg	65
023	SB-41 (23-24')	Solid	Tetrachloroethene	8260B	790		ug/kg	65
023	SB-41 (23-24')	Solid	Xylenes (total)	8260B	3300		ug/kg	66
023	SB-41 (23-24')	Solid	Naphthalene	8270D	120	J	ug/kg	66
023	SB-41 (23-24')	Solid	Phenanthrene	8270D	57	J	ug/kg	66

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
024	SB-43 (7-8')	Solid	cis-1,2-Dichloroethene	8260B	77	J	ug/kg	68
024	SB-43 (7-8')	Solid	Isopropylbenzene	8260B	72	J	ug/kg	68
024	SB-43 (7-8')	Solid	Methylcyclohexane	8260B	65	J	ug/kg	68
024	SB-43 (7-8')	Solid	Tetrachloroethene	8260B	32000		ug/kg	68
024	SB-43 (7-8')	Solid	Trichloroethene	8260B	420		ug/kg	69
024	SB-43 (7-8')	Solid	Xylenes (total)	8260B	190	J	ug/kg	69
025	SB-43 (10-11')	Solid	cis-1,2-Dichloroethene	8260B	210	J	ug/kg	71
025	SB-43 (10-11')	Solid	Ethylbenzene	8260B	150	J	ug/kg	71
025	SB-43 (10-11')	Solid	Isopropylbenzene	8260B	470		ug/kg	71
025	SB-43 (10-11')	Solid	Methylcyclohexane	8260B	320		ug/kg	71
025	SB-43 (10-11')	Solid	Tetrachloroethene	8260B	71000		ug/kg	71
025	SB-43 (10-11')	Solid	Trichloroethene	8260B	860		ug/kg	72
025	SB-43 (10-11')	Solid	Xylenes (total)	8260B	1100		ug/kg	72
026	SB-43 (19-20')	Solid	cis-1,2-Dichloroethene	8260B	170	J	ug/kg	74
026	SB-43 (19-20')	Solid	Ethylbenzene	8260B	1300		ug/kg	74
026	SB-43 (19-20')	Solid	Isopropylbenzene	8260B	6800		ug/kg	74
026	SB-43 (19-20')	Solid	Methylcyclohexane	8260B	930		ug/kg	74
026	SB-43 (19-20')	Solid	Tetrachloroethene	8260B	61000		ug/kg	74
026	SB-43 (19-20')	Solid	Trichloroethene	8260B	320		ug/kg	75
026	SB-43 (19-20')	Solid	Xylenes (total)	8260B	11000		ug/kg	75
026	SB-43 (19-20')	Solid	Naphthalene	8270D	960		ug/kg	75
027	DUP-6	Solid	cis-1,2-Dichloroethene	8260B	170	J	ug/kg	77
027	DUP-6	Solid	Ethylbenzene	8260B	1100		ug/kg	77
027	DUP-6	Solid	Isopropylbenzene	8260B	4400		ug/kg	77
027	DUP-6	Solid	Methylcyclohexane	8260B	730		ug/kg	77
027	DUP-6	Solid	Tetrachloroethene	8260B	67000		ug/kg	77
027	DUP-6	Solid	Trichloroethene	8260B	250	J	ug/kg	78
027	DUP-6	Solid	Xylenes (total)	8260B	9200		ug/kg	78
027	DUP-6	Solid	Naphthalene	8270D	790		ug/kg	78
028	SB-42 (0-1')	Solid	Tetrachloroethene	8260B	22000		ug/kg	80
029	SB-42 (14-15')	Solid	Tetrachloroethene	8260B	2.0	J	ug/kg	83
030	SB-42 (23-24')	Solid	cis-1,2-Dichloroethene	8260B	200	J	ug/kg	86
030	SB-42 (23-24')	Solid	Ethylbenzene	8260B	220	J	ug/kg	86
030	SB-42 (23-24')	Solid	Isopropylbenzene	8260B	2000		ug/kg	86
030	SB-42 (23-24')	Solid	Methylcyclohexane	8260B	400		ug/kg	86
030	SB-42 (23-24')	Solid	Tetrachloroethene	8260B	39000		ug/kg	86
030	SB-42 (23-24')	Solid	Trichloroethene	8260B	290	J	ug/kg	87
030	SB-42 (23-24')	Solid	Xylenes (total)	8260B	3500		ug/kg	87
030	SB-42 (23-24')	Solid	Fluorene	8270D	34	J	ug/kg	87
030	SB-42 (23-24')	Solid	Naphthalene	8270D	140	J	ug/kg	87
030	SB-42 (23-24')	Solid	Phenanthrene	8270D	160	J	ug/kg	87
030	SB-42 (23-24')	Solid	Pyrene	8270D	20	J	ug/kg	87
032	SB-50 (0-1')	Solid	Tetrachloroethene	8260B	26		ug/kg	89
032	SB-50 (0-1')	Solid	Fluoranthene	8270D	20	J	ug/kg	90
033	SB-50 (10-11')	Solid	Tetrachloroethene	8260B	0.92	J	ug/kg	92
036	IDW-DRUMS 1&2	Solid	Tetrachloroethene	8260B	0.76		mg/L	100

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(139 detections)

Client: URS Corporation
Description: SB-56 (0-1')
Date Sampled: 04/08/2014 0955
Date Received: 04/09/2014

Laboratory ID: PD09043-001
Matrix: Solid
% Solids: 90.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1813	JJG		44665	5.32

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.87	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.89	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.86	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (0-1')
Date Sampled: 04/08/2014 0955
Date Received: 04/09/2014

Laboratory ID: PD09043-001
Matrix: Solid
% Solids: 90.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1813	JJG		44665	5.32

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.66	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.89	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/14/2014 1923	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		370	14	ug/kg	1
Anthracene	120-12-7	8270D	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	30	ug/kg	1
Chrysene	218-01-9	8270D	ND		370	11	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	24	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	33	ug/kg	1
Naphthalene	91-20-3	8270D	ND		370	15	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		370	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (0-1')
Date Sampled: 04/08/2014 0955
Date Received: 04/09/2014

Laboratory ID: PD09043-001
Matrix: Solid
% Solids: 90.1 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		80	33-102
Nitrobenzene-d5		68	22-109
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (13-14')
Date Sampled: 04/08/2014 1015
Date Received: 04/09/2014

Laboratory ID: PD09043-003
Matrix: Solid
% Solids: 90.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1739	AAC		44764	3.97

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1400	470	ug/kg	2
Benzene	71-43-2	8260B	ND		350	77	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		350	120	ug/kg	2
Bromoform	75-25-2	8260B	ND		350	49	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		350	130	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		700	170	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		350	91	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		350	130	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		350	120	ug/kg	2
Chloroethane	75-00-3	8260B	ND		350	91	ug/kg	2
Chloroform	67-66-3	8260B	ND		350	58	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		350	70	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		350	47	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		350	100	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		350	120	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		350	59	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		350	120	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		350	120	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		350	120	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		350	110	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		350	51	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		350	70	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		350	120	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		350	53	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		350	100	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		350	64	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		350	48	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		350	57	ug/kg	2
Ethylbenzene	100-41-4	8260B	420		350	120	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		700	91	ug/kg	2
Isopropylbenzene	98-82-8	8260B	550		350	16	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		350	69	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		350	28	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		700	100	ug/kg	2
Methylcyclohexane	108-87-2	8260B	75	J	350	29	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		350	180	ug/kg	2
Styrene	100-42-5	8260B	ND		350	77	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		350	33	ug/kg	2
Tetrachloroethene	127-18-4	8260B	42	J	350	35	ug/kg	2
Toluene	108-88-3	8260B	ND		350	120	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (13-14')
Date Sampled: 04/08/2014 1015
Date Received: 04/09/2014

Laboratory ID: PD09043-003
Matrix: Solid
% Solids: 90.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/14/2014 1739	AAC		44764	3.97

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		350	44	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		350	120	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		350	59	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		350	55	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		350	130	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		350	100	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		350	60	ug/kg	2
Xylenes (total)	1330-20-7	8260B	1100		350	200	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		139	53-142
Bromofluorobenzene	N	142	47-138
Toluene-d8	N	131	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	5	04/15/2014 1210	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	1900		1800	56	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		1800	72	ug/kg	1
Anthracene	120-12-7	8270D	ND		1800	80	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		1800	60	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		1800	130	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		1800	120	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1800	120	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		1800	150	ug/kg	1
Chrysene	218-01-9	8270D	ND		1800	57	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1800	120	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		1800	57	ug/kg	1
Fluorene	86-73-7	8270D	ND		1800	70	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1800	160	ug/kg	1
Naphthalene	91-20-3	8270D	8100		1800	77	ug/kg	1
Phenanthrene	85-01-8	8270D	12000		1800	74	ug/kg	1
Pyrene	129-00-0	8270D	1100	J	1800	79	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (13-14')
Date Sampled: 04/08/2014 1015
Date Received: 04/09/2014

Laboratory ID: PD09043-003
Matrix: Solid
% Solids: 90.1 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		90	33-102
Nitrobenzene-d5		75	22-109
Terphenyl-d14		87	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (28-29')
Date Sampled: 04/08/2014 1025
Date Received: 04/09/2014

Laboratory ID: PD09043-004
Matrix: Solid
% Solids: 87.9 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	100	04/12/2014 2226	JJG		44667	4.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2400	810	ug/kg	1
Benzene	71-43-2	8260B	ND		600	130	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		600	200	ug/kg	1
Bromoform	75-25-2	8260B	ND		600	84	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		600	220	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		1200	290	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		600	160	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		600	220	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		600	200	ug/kg	1
Chloroethane	75-00-3	8260B	ND		600	160	ug/kg	1
Chloroform	67-66-3	8260B	ND		600	100	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		600	120	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		600	81	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		600	180	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		600	200	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		600	100	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		600	200	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		600	200	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		600	200	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		600	190	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		600	88	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		600	120	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		600	200	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		600	91	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		600	180	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		600	110	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		600	82	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		600	99	ug/kg	1
Ethylbenzene	100-41-4	8260B	2200		600	200	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		1200	160	ug/kg	1
Isopropylbenzene	98-82-8	8260B	2700		600	28	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		600	120	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		600	48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1200	180	ug/kg	1
Methylcyclohexane	108-87-2	8260B	2300		600	49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		600	310	ug/kg	1
Styrene	100-42-5	8260B	ND		600	130	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		600	57	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		600	60	ug/kg	1
Toluene	108-88-3	8260B	ND		600	200	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (28-29')
Date Sampled: 04/08/2014 1025
Date Received: 04/09/2014

Laboratory ID: PD09043-004
Matrix: Solid
% Solids: 87.9 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	100	04/12/2014 2226	JJG		44667	4.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		600	76	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		600	200	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		600	100	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		600	95	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		600	230	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		600	180	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		600	100	ug/kg	1
Xylenes (total)	1330-20-7	8260B	15000		600	350	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	53-142
Bromofluorobenzene		79	47-138
Toluene-d8		84	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	5	04/15/2014 1236	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	2200		1900	57	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		1900	75	ug/kg	1
Anthracene	120-12-7	8270D	ND		1900	83	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		1900	62	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		1900	140	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		1900	130	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		1900	130	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		1900	150	ug/kg	1
Chrysene	218-01-9	8270D	ND		1900	59	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		1900	120	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		1900	59	ug/kg	1
Fluorene	86-73-7	8270D	ND		1900	72	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		1900	170	ug/kg	1
Naphthalene	91-20-3	8270D	15000		1900	79	ug/kg	1
Phenanthrene	85-01-8	8270D	16000		1900	76	ug/kg	1
Pyrene	129-00-0	8270D	970	J	1900	81	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-56 (28-29')
Date Sampled: 04/08/2014 1025
Date Received: 04/09/2014

Laboratory ID: PD09043-004
Matrix: Solid
% Solids: 87.9 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		82	33-102
Nitrobenzene-d5		63	22-109
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-5
Date Sampled: 04/08/2014 1010
Date Received: 04/09/2014

Laboratory ID: PD09043-005
Matrix: Solid
% Solids: 80.8 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 2249	JJG		44667	4.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	420	ug/kg	1
Benzene	71-43-2	8260B	ND		310	68	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		310	110	ug/kg	1
Bromoform	75-25-2	8260B	ND		310	43	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		310	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		620	150	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		310	81	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		310	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		310	110	ug/kg	1
Chloroethane	75-00-3	8260B	ND		310	81	ug/kg	1
Chloroform	67-66-3	8260B	ND		310	51	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		310	62	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		310	42	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		310	93	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		310	110	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		310	53	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		310	110	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		310	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		310	110	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		310	99	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		310	45	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		310	62	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		310	110	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		310	47	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		310	93	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		310	56	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		310	42	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		310	51	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		310	110	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		620	81	ug/kg	1
Isopropylbenzene	98-82-8	8260B	42	J	310	14	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		310	61	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		310	25	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		620	93	ug/kg	1
Methylcyclohexane	108-87-2	8260B	66	J	310	25	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		310	160	ug/kg	1
Styrene	100-42-5	8260B	ND		310	68	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		310	29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		310	31	ug/kg	1
Toluene	108-88-3	8260B	ND		310	110	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-5
Date Sampled: 04/08/2014 1010
Date Received: 04/09/2014

Laboratory ID: PD09043-005
Matrix: Solid
% Solids: 80.8 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 2249	JJG		44667	4.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		310	39	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		310	110	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		310	53	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		310	49	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		310	120	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		310	93	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		310	53	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		310	180	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		87	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1303	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	1100		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	33	ug/kg	1
Chrysene	218-01-9	8270D	ND		400	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	27	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		400	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	36	ug/kg	1
Naphthalene	91-20-3	8270D	ND		400	17	ug/kg	1
Phenanthrene	85-01-8	8270D	3200		400	16	ug/kg	1
Pyrene	129-00-0	8270D	570		400	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-5
Date Sampled: 04/08/2014 1010
Date Received: 04/09/2014

Laboratory ID: PD09043-005
Matrix: Solid
% Solids: 80.8 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		79	33-102
Nitrobenzene-d5		68	22-109
Terphenyl-d14		81	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (4-5')
Date Sampled: 04/08/2014 1130
Date Received: 04/09/2014

Laboratory ID: PD09043-006
Matrix: Solid
% Solids: 88.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1851	AAC		44761	4.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.9	ug/kg	2
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.9	0.82	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.9	0.97	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.9	0.79	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.89	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.96	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	2
Isopropylbenzene	98-82-8	8260B	2.0	J	5.9	0.27	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.9	1.1	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.48	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.9	3.0	ug/kg	2
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.55	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		5.9	0.59	ug/kg	2
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (4-5')
Date Sampled: 04/08/2014 1130
Date Received: 04/09/2014

Laboratory ID: PD09043-006
Matrix: Solid
% Solids: 88.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/14/2014 1851	AAC		44761	4.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.74	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	2
Xylenes (total)	1330-20-7	8260B	5.3	J	5.9	3.4	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		104	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1330	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	25	J	370	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	33	ug/kg	1
Naphthalene	91-20-3	8270D	ND		370	16	ug/kg	1
Phenanthrene	85-01-8	8270D	360	J	370	15	ug/kg	1
Pyrene	129-00-0	8270D	30	J	370	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (4-5')
Date Sampled: 04/08/2014 1130
Date Received: 04/09/2014

Laboratory ID: PD09043-006
Matrix: Solid
% Solids: 88.7 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		75	33-102
Nitrobenzene-d5		61	22-109
Terphenyl-d14		76	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (9-10')
Date Sampled: 04/08/2014 1140
Date Received: 04/09/2014

Laboratory ID: PD09043-007
Matrix: Solid
% Solids: 85.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1859	JJG		44665	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.87	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.71	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.89	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.80	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.96	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.86	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (9-10')
Date Sampled: 04/08/2014 1140
Date Received: 04/09/2014

Laboratory ID: PD09043-007
Matrix: Solid
% Solids: 85.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1859	JJG		44665	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.66	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.89	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.83	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		104	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1357	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (9-10')
Date Sampled: 04/08/2014 1140
Date Received: 04/09/2014

Laboratory ID: PD09043-007
Matrix: Solid
% Solids: 85.3 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		70	33-102
Nitrobenzene-d5		56	22-109
Terphenyl-d14		77	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (23-24')
Date Sampled: 04/08/2014 1150
Date Received: 04/09/2014

Laboratory ID: PD09043-008
Matrix: Solid
% Solids: 92.6 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 2335	JJG		44667	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	370	ug/kg	1
Benzene	71-43-2	8260B	ND		280	61	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		280	95	ug/kg	1
Bromoform	75-25-2	8260B	ND		280	39	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		280	100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		560	130	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		280	72	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		280	100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		280	95	ug/kg	1
Chloroethane	75-00-3	8260B	ND		280	72	ug/kg	1
Chloroform	67-66-3	8260B	ND		280	46	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		280	56	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		280	38	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		280	84	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		280	95	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		280	47	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		280	95	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		280	95	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		280	95	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		280	89	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		280	41	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		280	56	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		280	95	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		280	42	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		280	84	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		280	51	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		280	38	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		280	46	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		280	95	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		560	72	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		280	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		280	55	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		280	22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		560	84	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		280	23	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		280	140	ug/kg	1
Styrene	100-42-5	8260B	ND		280	61	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		280	26	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		280	28	ug/kg	1
Toluene	108-88-3	8260B	ND		280	95	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (23-24')
Date Sampled: 04/08/2014 1150
Date Received: 04/09/2014

Laboratory ID: PD09043-008
Matrix: Solid
% Solids: 92.6 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 2335	JJG		44667	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		280	35	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		280	95	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		280	47	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		280	44	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		280	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		280	84	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		280	48	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		280	160	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		75	47-138
Toluene-d8		77	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1424	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		360	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		360	14	ug/kg	1
Anthracene	120-12-7	8270D	ND		360	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		360	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		360	26	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		360	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		360	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		360	29	ug/kg	1
Chrysene	218-01-9	8270D	ND		360	11	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		360	24	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		360	11	ug/kg	1
Fluorene	86-73-7	8270D	ND		360	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		360	32	ug/kg	1
Naphthalene	91-20-3	8270D	ND		360	15	ug/kg	1
Phenanthrene	85-01-8	8270D	160	J	360	14	ug/kg	1
Pyrene	129-00-0	8270D	43	J	360	15	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-58 (23-24')
Date Sampled: 04/08/2014 1150
Date Received: 04/09/2014

Laboratory ID: PD09043-008
Matrix: Solid
% Solids: 92.6 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		77	33-102
Nitrobenzene-d5		60	22-109
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (0-1')
Date Sampled: 04/08/2014 1235
Date Received: 04/09/2014

Laboratory ID: PD09043-009
Matrix: Solid
% Solids: 85.0 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1922	JJG		44665	4.98

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	7.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.2	J	5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (0-1')
Date Sampled: 04/08/2014 1235
Date Received: 04/09/2014

Laboratory ID: PD09043-009
Matrix: Solid
% Solids: 85.0 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1922	JJG		44665	4.98

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.74	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		104	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1451	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	12	J	390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (0-1')
Date Sampled: 04/08/2014 1235
Date Received: 04/09/2014

Laboratory ID: PD09043-009
Matrix: Solid
% Solids: 85.0 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		73	33-102
Nitrobenzene-d5		61	22-109
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (24-25')
Date Sampled: 04/08/2014 1255
Date Received: 04/09/2014

Laboratory ID: PD09043-010
Matrix: Solid
% Solids: 83.5 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1836	JJG		44665	5.75

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.73	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.95	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.71	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	0.72	J	5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.43	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (24-25')
Date Sampled: 04/08/2014 1255
Date Received: 04/09/2014

Laboratory ID: PD09043-010
Matrix: Solid
% Solids: 83.5 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/12/2014 1836	JJG		44665	5.75

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.66	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.90	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		108	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1518	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	36	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	17	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (24-25')
Date Sampled: 04/08/2014 1255
Date Received: 04/09/2014

Laboratory ID: PD09043-010
Matrix: Solid
% Solids: 83.5 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		72	33-102
Nitrobenzene-d5		59	22-109
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (16-17')
Date Sampled: 04/08/2014 1245
Date Received: 04/09/2014

Laboratory ID: PD09043-011
Matrix: Solid
% Solids: 83.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1610	AAC		44761	4.47

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.0	ug/kg	1
Benzene	71-43-2	8260B	ND		6.7	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	0.94	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.7	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.7	0.90	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.7	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	0.98	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	0.91	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.7	0.31	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.7	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	0.53	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.7	0.55	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	3.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	0.63	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	0.67	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	2.3	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (16-17')
Date Sampled: 04/08/2014 1245
Date Received: 04/09/2014

Laboratory ID: PD09043-011
Matrix: Solid
% Solids: 83.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1610	AAC		44761	4.47

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.7	0.84	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.7	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.7	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.7	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.7	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	3.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		106	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1545	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-38 (16-17')
Date Sampled: 04/08/2014 1245
Date Received: 04/09/2014

Laboratory ID: PD09043-011
Matrix: Solid
% Solids: 83.7 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		71	33-102
Nitrobenzene-d5		59	22-109
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (5-6')
Date Sampled: 04/08/2014 1335
Date Received: 04/09/2014

Laboratory ID: PD09043-012
Matrix: Solid
% Solids: 94.5 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 2358	JJG		44667	4.90

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	360	ug/kg	1
Benzene	71-43-2	8260B	ND		270	59	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		270	92	ug/kg	1
Bromoform	75-25-2	8260B	ND		270	38	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		270	97	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		540	130	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		270	70	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		270	97	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		270	92	ug/kg	1
Chloroethane	75-00-3	8260B	ND		270	70	ug/kg	1
Chloroform	67-66-3	8260B	ND		270	45	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		270	54	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		270	36	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		270	81	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		270	92	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		270	46	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		270	92	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		270	92	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		270	92	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		270	86	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		270	39	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		270	54	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		270	92	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		270	41	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		270	81	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		270	49	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		270	37	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		270	44	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		270	92	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		540	70	ug/kg	1
Isopropylbenzene	98-82-8	8260B	54	J	270	12	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		270	53	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		270	22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		540	81	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		270	22	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		270	140	ug/kg	1
Styrene	100-42-5	8260B	ND		270	59	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		270	25	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		270	27	ug/kg	1
Toluene	108-88-3	8260B	ND		270	92	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (5-6')
Date Sampled: 04/08/2014 1335
Date Received: 04/09/2014

Laboratory ID: PD09043-012
Matrix: Solid
% Solids: 94.5 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/12/2014 2358	JJG		44667	4.90

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		270	34	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		270	92	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		270	46	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		270	43	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		270	100	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		270	81	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		270	46	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		270	160	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		91	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1706	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		350	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		350	14	ug/kg	1
Anthracene	120-12-7	8270D	ND		350	15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	46	J	350	11	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		350	25	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	36	J	350	24	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		350	24	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		350	29	ug/kg	1
Chrysene	218-01-9	8270D	30	J	350	11	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		350	23	ug/kg	1
Fluoranthene	206-44-0	8270D	80	J	350	11	ug/kg	1
Fluorene	86-73-7	8270D	ND		350	13	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		350	31	ug/kg	1
Naphthalene	91-20-3	8270D	26	J	350	15	ug/kg	1
Phenanthrene	85-01-8	8270D	42	J	350	14	ug/kg	1
Pyrene	129-00-0	8270D	57	J	350	15	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (5-6')
Date Sampled: 04/08/2014 1335
Date Received: 04/09/2014

Laboratory ID: PD09043-012
Matrix: Solid
% Solids: 94.5 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		68	33-102
Nitrobenzene-d5		63	22-109
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (14-15')
Date Sampled: 04/08/2014 1350
Date Received: 04/09/2014

Laboratory ID: PD09043-013
Matrix: Solid
% Solids: 76.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/13/2014 0021	JJG		44667	4.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1500	500	ug/kg	1
Benzene	71-43-2	8260B	ND		370	82	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		370	130	ug/kg	1
Bromoform	75-25-2	8260B	ND		370	52	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		370	130	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		750	180	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		370	97	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		370	130	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		370	130	ug/kg	1
Chloroethane	75-00-3	8260B	ND		370	97	ug/kg	1
Chloroform	67-66-3	8260B	ND		370	62	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		370	75	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		370	50	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		370	110	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		370	130	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		370	63	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		370	130	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		370	130	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		370	130	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		370	120	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		370	54	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		370	75	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		370	130	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		370	57	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		370	110	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		370	68	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		370	51	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		370	61	ug/kg	1
Ethylbenzene	100-41-4	8260B	610		370	130	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		750	97	ug/kg	1
Isopropylbenzene	98-82-8	8260B	2700		370	17	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		370	73	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		370	30	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		750	110	ug/kg	1
Methylcyclohexane	108-87-2	8260B	470		370	31	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		370	190	ug/kg	1
Styrene	100-42-5	8260B	ND		370	82	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		370	35	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		370	37	ug/kg	1
Toluene	108-88-3	8260B	ND		370	130	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (14-15')
Date Sampled: 04/08/2014 1350
Date Received: 04/09/2014

Laboratory ID: PD09043-013
Matrix: Solid
% Solids: 76.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/13/2014 0021	JJG		44667	4.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		370	47	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		370	130	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		370	63	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		370	59	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		370	140	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		370	110	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		370	64	ug/kg	1
Xylenes (total)	1330-20-7	8260B	4300		370	220	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		74	47-138
Toluene-d8		81	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1733	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		430	13	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		430	17	ug/kg	1
Anthracene	120-12-7	8270D	ND		430	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	42	J	430	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		430	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		430	29	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		430	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		430	36	ug/kg	1
Chrysene	218-01-9	8270D	46	J	430	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		430	29	ug/kg	1
Fluoranthene	206-44-0	8270D	94	J	430	14	ug/kg	1
Fluorene	86-73-7	8270D	ND		430	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		430	39	ug/kg	1
Naphthalene	91-20-3	8270D	450		430	18	ug/kg	1
Phenanthrene	85-01-8	8270D	170	J	430	17	ug/kg	1
Pyrene	129-00-0	8270D	88	J	430	19	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (14-15')
Date Sampled: 04/08/2014 1350
Date Received: 04/09/2014

Laboratory ID: PD09043-013
Matrix: Solid
% Solids: 76.3 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		65	33-102
Nitrobenzene-d5		93	22-109
Terphenyl-d14		78	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (22-23')
Date Sampled: 04/08/2014 1400
Date Received: 04/09/2014

Laboratory ID: PD09043-014
Matrix: Solid
% Solids: 87.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	100	04/13/2014 0044	JJG		44667	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		2400	790	ug/kg	1
Benzene	71-43-2	8260B	ND		590	130	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		590	200	ug/kg	1
Bromoform	75-25-2	8260B	ND		590	83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		590	210	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		1200	280	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		590	150	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		590	210	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		590	200	ug/kg	1
Chloroethane	75-00-3	8260B	ND		590	150	ug/kg	1
Chloroform	67-66-3	8260B	ND		590	98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		590	120	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		590	80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		590	180	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		590	200	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		590	100	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		590	200	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		590	200	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		590	200	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		590	190	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		590	86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		590	120	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		590	200	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		590	90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		590	180	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		590	110	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		590	80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		590	97	ug/kg	1
Ethylbenzene	100-41-4	8260B	720		590	200	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		1200	150	ug/kg	1
Isopropylbenzene	98-82-8	8260B	4600		590	27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		590	120	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		590	47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		1200	180	ug/kg	1
Methylcyclohexane	108-87-2	8260B	500	J	590	48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		590	310	ug/kg	1
Styrene	100-42-5	8260B	ND		590	130	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		590	56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		590	59	ug/kg	1
Toluene	108-88-3	8260B	ND		590	200	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (22-23')
Date Sampled: 04/08/2014 1400
Date Received: 04/09/2014

Laboratory ID: PD09043-014
Matrix: Solid
% Solids: 87.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	100	04/13/2014 0044	JJG		44667	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		590	74	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		590	200	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		590	100	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		590	93	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		590	220	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		590	180	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		590	100	ug/kg	1
Xylenes (total)	1330-20-7	8260B	10000		590	340	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		111	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1800	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		370	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	34	ug/kg	1
Naphthalene	91-20-3	8270D	460		370	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		370	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-39 (22-23')
Date Sampled: 04/08/2014 1400
Date Received: 04/09/2014

Laboratory ID: PD09043-014
Matrix: Solid
% Solids: 87.3 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		61	33-102
Nitrobenzene-d5		50	22-109
Terphenyl-d14		73	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-37 (4-5')
Date Sampled: 04/08/2014 1440
Date Received: 04/09/2014

Laboratory ID: PD09043-015
Matrix: Solid
% Solids: 81.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/14/2014 1803	AAC		44764	4.91

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	450	J	1300	420	ug/kg	1
Benzene	71-43-2	8260B	ND		310	69	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		310	110	ug/kg	1
Bromoform	75-25-2	8260B	ND		310	44	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		310	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		630	150	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		310	81	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		310	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		310	110	ug/kg	1
Chloroethane	75-00-3	8260B	ND		310	81	ug/kg	1
Chloroform	67-66-3	8260B	ND		310	52	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		310	63	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		310	42	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		310	94	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		310	110	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		310	53	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		310	110	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		310	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		310	110	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		310	100	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		310	46	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		310	63	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		310	110	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		310	48	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		310	94	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		310	57	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		310	43	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		310	51	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		310	110	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		630	81	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		310	14	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		310	61	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		310	25	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		630	94	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		310	26	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		310	160	ug/kg	1
Styrene	100-42-5	8260B	ND		310	69	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		310	29	ug/kg	1
Tetrachloroethene	127-18-4	8260B	270	J	310	31	ug/kg	1
Toluene	108-88-3	8260B	ND		310	110	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-37 (4-5')
Date Sampled: 04/08/2014 1440
Date Received: 04/09/2014

Laboratory ID: PD09043-015
Matrix: Solid
% Solids: 81.3 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/14/2014 1803	AAC		44764	4.91

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		310	39	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		310	110	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		310	53	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		310	49	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		310	120	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		310	94	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		310	54	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		310	180	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142
Bromofluorobenzene		85	47-138
Toluene-d8		89	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1827	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		400	30	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	28	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	33	ug/kg	1
Chrysene	218-01-9	8270D	ND		400	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	27	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		400	16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	37	ug/kg	1
Naphthalene	91-20-3	8270D	ND		400	17	ug/kg	1
Phenanthrene	85-01-8	8270D	20	J	400	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		400	18	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-37 (4-5')
Date Sampled: 04/08/2014 1440
Date Received: 04/09/2014

Laboratory ID: PD09043-015
Matrix: Solid
% Solids: 81.3 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		60	33-102
Nitrobenzene-d5		62	22-109
Terphenyl-d14		74	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-37 (23-24')
Date Sampled: 04/08/2014 1500
Date Received: 04/09/2014

Laboratory ID: PD09043-017
Matrix: Solid
% Solids: 71.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/16/2014 1333	JJG		44878	4.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1600	540	ug/kg	2
Benzene	71-43-2	8260B	ND		400	89	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		400	140	ug/kg	2
Bromoform	75-25-2	8260B	ND		400	57	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		400	150	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		810	190	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		400	110	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		400	150	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		400	140	ug/kg	2
Chloroethane	75-00-3	8260B	ND		400	110	ug/kg	2
Chloroform	67-66-3	8260B	ND		400	67	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		400	81	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		400	55	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		400	120	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		400	140	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		400	69	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		400	140	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		400	140	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		400	140	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		400	130	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		400	59	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		400	81	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		400	140	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		400	61	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		400	120	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		400	74	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		400	55	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		400	66	ug/kg	2
Ethylbenzene	100-41-4	8260B	580		400	140	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		810	110	ug/kg	2
Isopropylbenzene	98-82-8	8260B	1600		400	19	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		400	79	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		400	32	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		810	120	ug/kg	2
Methylcyclohexane	108-87-2	8260B	420		400	33	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		400	210	ug/kg	2
Styrene	100-42-5	8260B	ND		400	89	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		400	38	ug/kg	2
Tetrachloroethene	127-18-4	8260B	140	J	400	40	ug/kg	2
Toluene	108-88-3	8260B	ND		400	140	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-37 (23-24')
Date Sampled: 04/08/2014 1500
Date Received: 04/09/2014

Laboratory ID: PD09043-017
Matrix: Solid
% Solids: 71.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/16/2014 1333	JJG		44878	4.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		400	51	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		400	140	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		400	69	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		400	64	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		400	150	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		400	120	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		400	70	ug/kg	2
Xylenes (total)	1330-20-7	8260B	4800		400	230	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		65	53-142
Bromofluorobenzene	N	43	47-138
Toluene-d8	N	55	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1854	RBH	04/11/2014 1900	44632

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	360	J	460	14	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		460	18	ug/kg	1
Anthracene	120-12-7	8270D	ND		460	21	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		460	15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		460	34	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		460	31	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		460	32	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		460	38	ug/kg	1
Chrysene	218-01-9	8270D	ND		460	14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		460	31	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		460	15	ug/kg	1
Fluorene	86-73-7	8270D	ND		460	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		460	42	ug/kg	1
Naphthalene	91-20-3	8270D	2900		460	20	ug/kg	1
Phenanthrene	85-01-8	8270D	4700		460	19	ug/kg	1
Pyrene	129-00-0	8270D	260	J	460	20	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-37 (23-24')
Date Sampled: 04/08/2014 1500
Date Received: 04/09/2014

Laboratory ID: PD09043-017
Matrix: Solid
% Solids: 71.1 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		64	33-102
Nitrobenzene-d5		57	22-109
Terphenyl-d14		68	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-40 (17-18')
Date Sampled: 04/08/2014 1550
Date Received: 04/09/2014

Laboratory ID: PD09043-019
Matrix: Solid
% Solids: 87.2 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/14/2014 1855	AAC		44795	4.48

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	430	ug/kg	1
Benzene	71-43-2	8260B	ND		320	70	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	1
Bromoform	75-25-2	8260B	ND		320	45	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	120	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		640	150	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		320	83	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		320	120	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	1
Chloroethane	75-00-3	8260B	ND		320	83	ug/kg	1
Chloroform	67-66-3	8260B	ND		320	53	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	64	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		320	43	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	96	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	54	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		320	47	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		320	64	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		320	49	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	96	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		320	58	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	44	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	52	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		320	110	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		640	83	ug/kg	1
Isopropylbenzene	98-82-8	8260B	110	J	320	15	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		320	63	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	26	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		640	96	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		320	26	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		320	170	ug/kg	1
Styrene	100-42-5	8260B	ND		320	70	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		320	32	ug/kg	1
Toluene	108-88-3	8260B	ND		320	110	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-40 (17-18')
Date Sampled: 04/08/2014 1550
Date Received: 04/09/2014

Laboratory ID: PD09043-019
Matrix: Solid
% Solids: 87.2 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/14/2014 1855	AAC		44795	4.48

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	40	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	54	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	51	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		320	120	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		320	96	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		320	55	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		320	190	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		71	53-142
Bromofluorobenzene		74	47-138
Toluene-d8		68	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1113	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		370	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	34	ug/kg	1
Naphthalene	91-20-3	8270D	63	J	370	16	ug/kg	1
Phenanthrene	85-01-8	8270D	19	J	370	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-40 (17-18')
Date Sampled: 04/08/2014 1550
Date Received: 04/09/2014

Laboratory ID: PD09043-019
Matrix: Solid
% Solids: 87.2 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		76	33-102
Nitrobenzene-d5		56	22-109
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-40 (23-24')
Date Sampled: 04/08/2014 1600
Date Received: 04/09/2014

Laboratory ID: PD09043-020
Matrix: Solid
% Solids: 82.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/14/2014 1919	AAC		44795	5.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	390	ug/kg	1
Benzene	71-43-2	8260B	ND		290	64	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		290	99	ug/kg	1
Bromoform	75-25-2	8260B	ND		290	41	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		580	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		290	76	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		290	100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		290	99	ug/kg	1
Chloroethane	75-00-3	8260B	ND		290	76	ug/kg	1
Chloroform	67-66-3	8260B	ND		290	48	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	58	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		290	39	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	87	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		290	99	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	49	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	99	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	99	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	99	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		290	93	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		290	42	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		290	58	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		290	99	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	49	J	290	44	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	87	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		290	53	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	40	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	48	ug/kg	1
Ethylbenzene	100-41-4	8260B	630		290	99	ug/kg	1
2-Hexanone	591-78-6	8260B	4000		580	76	ug/kg	1
Isopropylbenzene	98-82-8	8260B	2700		290	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		290	57	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		580	87	ug/kg	1
Methylcyclohexane	108-87-2	8260B	380		290	24	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	1
Styrene	100-42-5	8260B	ND		290	64	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2300		290	29	ug/kg	1
Toluene	108-88-3	8260B	ND		290	99	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-40 (23-24')
Date Sampled: 04/08/2014 1600
Date Received: 04/09/2014

Laboratory ID: PD09043-020
Matrix: Solid
% Solids: 82.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/14/2014 1919	AAC		44795	5.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	37	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	99	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	49	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	46	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		290	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		290	87	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		290	50	ug/kg	1
Xylenes (total)	1330-20-7	8260B	4700		290	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		62	53-142
Bromofluorobenzene		64	47-138
Toluene-d8		69	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1138	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	1
Naphthalene	91-20-3	8270D	2000		390	16	ug/kg	1
Phenanthrene	85-01-8	8270D	38	J	390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-40 (23-24')
Date Sampled: 04/08/2014 1600
Date Received: 04/09/2014

Laboratory ID: PD09043-020
Matrix: Solid
% Solids: 82.4 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		55	33-102
Nitrobenzene-d5		69	22-109
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (1-2')
Date Sampled: 04/08/2014 1715
Date Received: 04/09/2014

Laboratory ID: PD09043-021
Matrix: Solid
% Solids: 78.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/15/2014 1849	AAC		44855	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.7	ug/kg	2
Benzene	71-43-2	8260B	ND		5.7	1.3	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.7	1.9	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.7	0.80	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	2.1	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		5.7	1.5	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		5.7	2.1	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.7	1.9	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.7	1.5	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.7	0.95	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	1.1	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.7	0.77	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	1.7	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.7	1.9	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	0.97	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	1.9	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	1.9	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	1.9	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.7	1.8	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	0.83	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	1.1	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.7	1.9	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.7	0.87	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	1.7	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	1.0	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	0.78	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	0.94	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.7	1.9	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		5.7	0.26	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.7	1.1	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	0.46	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.7	0.47	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.7	3.0	ug/kg	2
Styrene	100-42-5	8260B	ND		5.7	1.3	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	0.54	ug/kg	2
Tetrachloroethene	127-18-4	8260B	34		5.7	0.57	ug/kg	2
Toluene	108-88-3	8260B	ND		5.7	1.9	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (1-2')
Date Sampled: 04/08/2014 1715
Date Received: 04/09/2014

Laboratory ID: PD09043-021
Matrix: Solid
% Solids: 78.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/15/2014 1849	AAC		44855	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.7	0.72	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.7	1.9	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.7	0.97	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	0.90	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		5.7	2.2	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.7	1.7	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		5.7	0.98	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		5.7	3.3	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		111	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1202	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		420	13	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		420	17	ug/kg	1
Anthracene	120-12-7	8270D	ND		420	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		420	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		420	31	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		420	28	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		420	29	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		420	35	ug/kg	1
Chrysene	218-01-9	8270D	ND		420	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		420	28	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		420	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		420	16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		420	38	ug/kg	1
Naphthalene	91-20-3	8270D	ND		420	18	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		420	17	ug/kg	1
Pyrene	129-00-0	8270D	ND		420	18	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (1-2')
Date Sampled: 04/08/2014 1715
Date Received: 04/09/2014

Laboratory ID: PD09043-021
Matrix: Solid
% Solids: 78.4 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		67	33-102
Nitrobenzene-d5		59	22-109
Terphenyl-d14		81	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (14-15')
Date Sampled: 04/08/2014 1730
Date Received: 04/09/2014

Laboratory ID: PD09043-022
Matrix: Solid
% Solids: 88.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/16/2014 1356	JJG		44878	4.31

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	440	ug/kg	2
Benzene	71-43-2	8260B	ND		330	72	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		330	110	ug/kg	2
Bromoform	75-25-2	8260B	ND		330	46	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		330	120	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		660	160	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		330	85	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		330	120	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		330	110	ug/kg	2
Chloroethane	75-00-3	8260B	ND		330	85	ug/kg	2
Chloroform	67-66-3	8260B	ND		330	54	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		330	66	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		330	44	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		330	98	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		330	110	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		330	56	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		330	110	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		330	110	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		330	110	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		330	110	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		330	48	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		330	66	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		330	110	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		330	50	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		330	98	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		330	60	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		330	45	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		330	54	ug/kg	2
Ethylbenzene	100-41-4	8260B	230	J	330	110	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		660	85	ug/kg	2
Isopropylbenzene	98-82-8	8260B	1800		330	15	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		330	64	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		330	26	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		660	98	ug/kg	2
Methylcyclohexane	108-87-2	8260B	120	J	330	27	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		330	170	ug/kg	2
Styrene	100-42-5	8260B	ND		330	72	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		330	31	ug/kg	2
Tetrachloroethene	127-18-4	8260B	2200		330	33	ug/kg	2
Toluene	108-88-3	8260B	ND		330	110	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (14-15')
Date Sampled: 04/08/2014 1730
Date Received: 04/09/2014

Laboratory ID: PD09043-022
Matrix: Solid
% Solids: 88.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/16/2014 1356	JJG		44878	4.31

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		330	41	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		330	110	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		330	56	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		330	52	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		330	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		330	98	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		330	56	ug/kg	2
Xylenes (total)	1330-20-7	8260B	4100		330	190	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		69	53-142
Bromofluorobenzene		58	47-138
Toluene-d8	N	66	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1226	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		370	11	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		370	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		370	16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		370	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		370	27	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		370	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		370	25	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		370	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		370	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		370	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		370	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		370	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		370	34	ug/kg	1
Naphthalene	91-20-3	8270D	230	J	370	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		370	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		370	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (14-15')
Date Sampled: 04/08/2014 1730
Date Received: 04/09/2014

Laboratory ID: PD09043-022
Matrix: Solid
% Solids: 88.4 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		72	33-102
Nitrobenzene-d5		70	22-109
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (23-24')
Date Sampled: 04/08/2014 1745
Date Received: 04/09/2014

Laboratory ID: PD09043-023
Matrix: Solid
% Solids: 86.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/16/2014 1420	JJG		44878	4.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	420	ug/kg	2
Benzene	71-43-2	8260B	ND		320	70	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	2
Bromoform	75-25-2	8260B	ND		320	44	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	110	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		630	150	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		320	82	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		320	110	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	2
Chloroethane	75-00-3	8260B	ND		320	82	ug/kg	2
Chloroform	67-66-3	8260B	ND		320	52	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	63	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		320	43	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	95	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	54	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		320	46	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		320	63	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		320	48	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	95	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		320	58	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	43	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	52	ug/kg	2
Ethylbenzene	100-41-4	8260B	200	J	320	110	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		630	82	ug/kg	2
Isopropylbenzene	98-82-8	8260B	1400		320	15	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		320	62	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	25	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		630	95	ug/kg	2
Methylcyclohexane	108-87-2	8260B	140	J	320	26	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		320	160	ug/kg	2
Styrene	100-42-5	8260B	ND		320	70	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	2
Tetrachloroethene	127-18-4	8260B	790		320	32	ug/kg	2
Toluene	108-88-3	8260B	ND		320	110	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (23-24')
Date Sampled: 04/08/2014 1745
Date Received: 04/09/2014

Laboratory ID: PD09043-023
Matrix: Solid
% Solids: 86.4 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	50	04/16/2014 1420	JJG		44878	4.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	40	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	54	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	50	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		320	120	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		320	95	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		320	54	ug/kg	2
Xylenes (total)	1330-20-7	8260B	3300		320	180	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		65	53-142
Bromofluorobenzene		56	47-138
Toluene-d8	N	66	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1250	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	120	J	380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	57	J	380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-41 (23-24')
Date Sampled: 04/08/2014 1745
Date Received: 04/09/2014

Laboratory ID: PD09043-023
Matrix: Solid
% Solids: 86.4 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		75	33-102
Nitrobenzene-d5		67	22-109
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (7-8')
Date Sampled: 04/09/2014 0830
Date Received: 04/09/2014

Laboratory ID: PD09043-024
Matrix: Solid
% Solids: 80.8 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0438	JJG		44774	5.39
2	5035	8260B	500	04/16/2014 1443	JJG		44878	5.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1100	380	ug/kg	1
Benzene	71-43-2	8260B	ND		290	63	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		290	98	ug/kg	1
Bromoform	75-25-2	8260B	ND		290	40	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	100	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		570	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		290	75	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		290	100	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		290	98	ug/kg	1
Chloroethane	75-00-3	8260B	ND		290	75	ug/kg	1
Chloroform	67-66-3	8260B	ND		290	48	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	57	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		290	39	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	86	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		290	98	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	49	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	98	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	98	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	98	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		290	92	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		290	42	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		290	57	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		290	98	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	77	J	290	44	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	86	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		290	52	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	39	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	47	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		290	98	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		570	75	ug/kg	1
Isopropylbenzene	98-82-8	8260B	72	J	290	13	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		290	56	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		570	86	ug/kg	1
Methylcyclohexane	108-87-2	8260B	65	J	290	24	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	1
Styrene	100-42-5	8260B	ND		290	63	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	27	ug/kg	1
Tetrachloroethene	127-18-4	8260B	32000		2900	290	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (7-8')
Date Sampled: 04/09/2014 0830
Date Received: 04/09/2014

Laboratory ID: PD09043-024
Matrix: Solid
% Solids: 80.8 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0438	JJG		44774	5.39
2	5035	8260B	500	04/16/2014 1443	JJG		44878	5.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		290	98	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	36	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	98	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	49	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	45	ug/kg	1
Trichloroethene	79-01-6	8260B	420		290	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		290	86	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		290	49	ug/kg	1
Xylenes (total)	1330-20-7	8260B	190	J	290	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		62	53-142		62	53-142
Bromofluorobenzene		62	47-138	N	45	47-138
Toluene-d8	N	61	68-124	N	48	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1314	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	33	ug/kg	1
Chrysene	218-01-9	8270D	ND		400	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	27	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		400	16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	36	ug/kg	1
Naphthalene	91-20-3	8270D	ND		400	17	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		400	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		400	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (7-8')
Date Sampled: 04/09/2014 0830
Date Received: 04/09/2014

Laboratory ID: PD09043-024
Matrix: Solid
% Solids: 80.8 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		55	33-102
Nitrobenzene-d5		92	22-109
Terphenyl-d14		84	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (10-11')
Date Sampled: 04/09/2014 0840
Date Received: 04/09/2014

Laboratory ID: PD09043-025
Matrix: Solid
% Solids: 79.5 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0502	JJG		44774	5.26
2	5035	8260B	1000	04/16/2014 1506	JJG		44878	5.26

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	400	ug/kg	1
Benzene	71-43-2	8260B	ND		300	66	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		300	100	ug/kg	1
Bromoform	75-25-2	8260B	ND		300	42	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		300	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		600	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		300	78	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		300	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		300	100	ug/kg	1
Chloroethane	75-00-3	8260B	ND		300	78	ug/kg	1
Chloroform	67-66-3	8260B	ND		300	50	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		300	60	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		300	40	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		300	90	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		300	100	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		300	51	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		300	100	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		300	100	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		300	100	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		300	96	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		300	44	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		300	60	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		300	100	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	210	J	300	45	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		300	90	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		300	54	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		300	41	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		300	49	ug/kg	1
Ethylbenzene	100-41-4	8260B	150	J	300	100	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		600	78	ug/kg	1
Isopropylbenzene	98-82-8	8260B	470		300	14	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		300	59	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		300	24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		600	90	ug/kg	1
Methylcyclohexane	108-87-2	8260B	320		300	25	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		300	160	ug/kg	1
Styrene	100-42-5	8260B	ND		300	66	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		300	28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	71000		6000	600	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (10-11')
Date Sampled: 04/09/2014 0840
Date Received: 04/09/2014

Laboratory ID: PD09043-025
Matrix: Solid
% Solids: 79.5 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0502	JJG		44774	5.26
2	5035	8260B	1000	04/16/2014 1506	JJG		44878	5.26

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		300	100	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		300	38	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		300	100	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		300	51	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		300	47	ug/kg	1
Trichloroethene	79-01-6	8260B	860		300	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		300	90	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		300	51	ug/kg	1
Xylenes (total)	1330-20-7	8260B	1100		300	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		53	53-142		61	53-142
Bromofluorobenzene		53	47-138		51	47-138
Toluene-d8	N	52	68-124	N	50	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1338	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		410	13	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		410	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		410	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		410	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		410	30	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		410	28	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		410	28	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		410	34	ug/kg	1
Chrysene	218-01-9	8270D	ND		410	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		410	27	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		410	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		410	16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		410	37	ug/kg	1
Naphthalene	91-20-3	8270D	ND		410	17	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		410	17	ug/kg	1
Pyrene	129-00-0	8270D	ND		410	18	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (10-11')
Date Sampled: 04/09/2014 0840
Date Received: 04/09/2014

Laboratory ID: PD09043-025
Matrix: Solid
% Solids: 79.5 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		52	33-102
Nitrobenzene-d5		102	22-109
Terphenyl-d14		74	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (19-20')
Date Sampled: 04/09/2014 0850
Date Received: 04/09/2014

Laboratory ID: PD09043-026
Matrix: Solid
% Solids: 85.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0526	JJG		44774	4.66
2	5035	8260B	1000	04/16/2014 1529	JJG		44878	4.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1300	420	ug/kg	1
Benzene	71-43-2	8260B	ND		320	69	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		320	110	ug/kg	1
Bromoform	75-25-2	8260B	ND		320	44	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		320	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		630	150	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		320	82	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		320	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		320	110	ug/kg	1
Chloroethane	75-00-3	8260B	ND		320	82	ug/kg	1
Chloroform	67-66-3	8260B	ND		320	52	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		320	63	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		320	43	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		320	95	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		320	110	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		320	54	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		320	110	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		320	110	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		320	110	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		320	100	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		320	46	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		320	63	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		320	110	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	170	J	320	48	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		320	95	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		320	57	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		320	43	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		320	52	ug/kg	1
Ethylbenzene	100-41-4	8260B	1300		320	110	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		630	82	ug/kg	1
Isopropylbenzene	98-82-8	8260B	6800		320	15	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		320	62	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		320	25	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		630	95	ug/kg	1
Methylcyclohexane	108-87-2	8260B	930		320	26	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		320	160	ug/kg	1
Styrene	100-42-5	8260B	ND		320	69	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		320	30	ug/kg	1
Tetrachloroethene	127-18-4	8260B	61000		6300	630	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (19-20')
Date Sampled: 04/09/2014 0850
Date Received: 04/09/2014

Laboratory ID: PD09043-026
Matrix: Solid
% Solids: 85.1 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0526	JJG		44774	4.66
2	5035	8260B	1000	04/16/2014 1529	JJG		44878	4.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		320	110	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		320	40	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		320	110	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		320	54	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		320	50	ug/kg	1
Trichloroethene	79-01-6	8260B	320		320	120	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		320	95	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		320	54	ug/kg	1
Xylenes (total)	1330-20-7	8260B	11000		320	180	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		62	53-142		61	53-142
Bromofluorobenzene		60	47-138		54	47-138
Toluene-d8		70	68-124	N	55	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1403	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	960		380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-43 (19-20')
Date Sampled: 04/09/2014 0850
Date Received: 04/09/2014

Laboratory ID: PD09043-026
Matrix: Solid
% Solids: 85.1 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		72	33-102
Nitrobenzene-d5		91	22-109
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-6
Date Sampled: 04/09/2014 0855
Date Received: 04/09/2014

Laboratory ID: PD09043-027
Matrix: Solid
% Solids: 86.0 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0550	JJG		44774	4.85
2	5035	8260B	1000	04/16/2014 1552	JJG		44878	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	400	ug/kg	1
Benzene	71-43-2	8260B	ND		300	66	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		300	100	ug/kg	1
Bromoform	75-25-2	8260B	ND		300	42	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		300	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		600	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		300	78	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		300	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		300	100	ug/kg	1
Chloroethane	75-00-3	8260B	ND		300	78	ug/kg	1
Chloroform	67-66-3	8260B	ND		300	50	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		300	60	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		300	40	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		300	90	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		300	100	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		300	51	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		300	100	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		300	100	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		300	100	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		300	96	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		300	44	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		300	60	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		300	100	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	170	J	300	46	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		300	90	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		300	55	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		300	41	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		300	49	ug/kg	1
Ethylbenzene	100-41-4	8260B	1100		300	100	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		600	78	ug/kg	1
Isopropylbenzene	98-82-8	8260B	4400		300	14	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		300	59	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		300	24	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		600	90	ug/kg	1
Methylcyclohexane	108-87-2	8260B	730		300	25	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		300	160	ug/kg	1
Styrene	100-42-5	8260B	ND		300	66	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		300	28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	67000		6000	600	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-6
Date Sampled: 04/09/2014 0855
Date Received: 04/09/2014

Laboratory ID: PD09043-027
Matrix: Solid
% Solids: 86.0 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0550	JJG		44774	4.85
2	5035	8260B	1000	04/16/2014 1552	JJG		44878	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		300	100	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		300	38	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		300	100	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		300	51	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		300	47	ug/kg	1
Trichloroethene	79-01-6	8260B	250	J	300	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		300	90	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		300	52	ug/kg	1
Xylenes (total)	1330-20-7	8260B	9200		300	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		61	53-142		69	53-142
Bromofluorobenzene		61	47-138		66	47-138
Toluene-d8		69	68-124		68	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1427	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	790		380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-6
Date Sampled: 04/09/2014 0855
Date Received: 04/09/2014

Laboratory ID: PD09043-027
Matrix: Solid
% Solids: 86.0 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		62	33-102
Nitrobenzene-d5		93	22-109
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (0-1')
Date Sampled: 04/09/2014 0925
Date Received: 04/09/2014

Laboratory ID: PD09043-028
Matrix: Solid
% Solids: 85.2 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0614	JJG		44774	5.00
2	5035	8260B	200	04/16/2014 1615	JJG		44878	5.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1200	390	ug/kg	1
Benzene	71-43-2	8260B	ND		290	65	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		290	100	ug/kg	1
Bromoform	75-25-2	8260B	ND		290	41	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		290	110	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		590	140	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		290	76	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		290	110	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		290	100	ug/kg	1
Chloroethane	75-00-3	8260B	ND		290	76	ug/kg	1
Chloroform	67-66-3	8260B	ND		290	49	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		290	59	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		290	40	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		290	88	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		290	100	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		290	50	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		290	100	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		290	100	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		290	100	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		290	94	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		290	43	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		290	59	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		290	100	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		290	45	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		290	88	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		290	53	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		290	40	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		290	48	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		290	100	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		590	76	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		290	14	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		290	58	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		290	23	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		590	88	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		290	24	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		290	150	ug/kg	1
Styrene	100-42-5	8260B	ND		290	65	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		290	28	ug/kg	1
Tetrachloroethene	127-18-4	8260B	22000		1200	120	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (0-1')
Date Sampled: 04/09/2014 0925
Date Received: 04/09/2014

Laboratory ID: PD09043-028
Matrix: Solid
% Solids: 85.2 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0614	JJG		44774	5.00
2	5035	8260B	200	04/16/2014 1615	JJG		44878	5.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		290	100	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		290	37	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		290	100	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		290	50	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		290	46	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		290	110	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		290	88	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		290	50	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		290	170	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		61	53-142		65	53-142
Bromofluorobenzene		51	47-138		52	47-138
Toluene-d8	N	59	68-124	N	57	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1451	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	32	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	26	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	35	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (0-1')
Date Sampled: 04/09/2014 0925
Date Received: 04/09/2014

Laboratory ID: PD09043-028
Matrix: Solid
% Solids: 85.2 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		69	33-102
Nitrobenzene-d5		68	22-109
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (14-15')
Date Sampled: 04/09/2014 0945
Date Received: 04/09/2014

Laboratory ID: PD09043-029
Matrix: Solid
% Solids: 73.9 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/15/2014 1912	AAC		44855	4.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.4	ug/kg	2
Benzene	71-43-2	8260B	ND		7.0	1.5	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		7.0	2.4	ug/kg	2
Bromoform	75-25-2	8260B	ND		7.0	0.98	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.0	2.5	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.4	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		7.0	1.8	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		7.0	2.5	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		7.0	2.4	ug/kg	2
Chloroethane	75-00-3	8260B	ND		7.0	1.8	ug/kg	2
Chloroform	67-66-3	8260B	ND		7.0	1.2	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.0	1.4	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		7.0	0.95	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.0	2.1	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		7.0	2.4	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.0	1.2	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.0	2.4	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.0	2.4	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.0	2.4	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		7.0	2.2	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		7.0	1.0	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		7.0	1.4	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		7.0	2.4	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.0	1.1	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.0	2.1	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		7.0	1.3	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.0	0.95	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.0	1.2	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		7.0	2.4	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		7.0	0.32	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		7.0	1.4	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.0	0.56	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		7.0	0.58	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		7.0	3.6	ug/kg	2
Styrene	100-42-5	8260B	ND		7.0	1.5	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.0	0.66	ug/kg	2
Tetrachloroethene	127-18-4	8260B	2.0	J	7.0	0.70	ug/kg	2
Toluene	108-88-3	8260B	ND		7.0	2.4	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (14-15')
Date Sampled: 04/09/2014 0945
Date Received: 04/09/2014

Laboratory ID: PD09043-029
Matrix: Solid
% Solids: 73.9 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	04/15/2014 1912	AAC		44855	4.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.0	0.88	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.0	2.4	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.0	1.2	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.0	1.1	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		7.0	2.7	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		7.0	2.1	ug/kg	2
Vinyl chloride	75-01-4	8260B	ND		7.0	1.2	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		7.0	4.1	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		103	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1516	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		440	13	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		440	17	ug/kg	1
Anthracene	120-12-7	8270D	ND		440	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		440	15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		440	32	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		440	30	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		440	30	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		440	36	ug/kg	1
Chrysene	218-01-9	8270D	ND		440	14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		440	29	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		440	14	ug/kg	1
Fluorene	86-73-7	8270D	ND		440	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		440	40	ug/kg	1
Naphthalene	91-20-3	8270D	ND		440	19	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		440	18	ug/kg	1
Pyrene	129-00-0	8270D	ND		440	19	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (14-15')
Date Sampled: 04/09/2014 0945
Date Received: 04/09/2014

Laboratory ID: PD09043-029
Matrix: Solid
% Solids: 73.9 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		56	33-102
Nitrobenzene-d5		48	22-109
Terphenyl-d14		72	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (23-24')
Date Sampled: 04/09/2014 0955
Date Received: 04/09/2014

Laboratory ID: PD09043-030
Matrix: Solid
% Solids: 70.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0701	JJG		44774	4.99
2	5035	8260B	1000	04/16/2014 1638	JJG		44878	4.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1400	470	ug/kg	1
Benzene	71-43-2	8260B	ND		350	78	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		350	120	ug/kg	1
Bromoform	75-25-2	8260B	ND		350	50	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		350	130	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		710	170	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		350	92	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		350	130	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		350	120	ug/kg	1
Chloroethane	75-00-3	8260B	ND		350	92	ug/kg	1
Chloroform	67-66-3	8260B	ND		350	59	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		350	71	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		350	48	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		350	110	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		350	120	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		350	60	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		350	120	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		350	120	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		350	120	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		350	110	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		350	52	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		350	71	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		350	120	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	200	J	350	54	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		350	110	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		350	64	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		350	48	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		350	58	ug/kg	1
Ethylbenzene	100-41-4	8260B	220	J	350	120	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		710	92	ug/kg	1
Isopropylbenzene	98-82-8	8260B	2000		350	16	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		350	69	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		350	28	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		710	110	ug/kg	1
Methylcyclohexane	108-87-2	8260B	400		350	29	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		350	180	ug/kg	1
Styrene	100-42-5	8260B	ND		350	78	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		350	33	ug/kg	1
Tetrachloroethene	127-18-4	8260B	39000		7100	710	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (23-24')
Date Sampled: 04/09/2014 0955
Date Received: 04/09/2014

Laboratory ID: PD09043-030
Matrix: Solid
% Solids: 70.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	50	04/15/2014 0701	JJG		44774	4.99
2	5035	8260B	1000	04/16/2014 1638	JJG		44878	4.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		350	120	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		350	45	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		350	120	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		350	60	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		350	56	ug/kg	1
Trichloroethene	79-01-6	8260B	290	J	350	130	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		350	110	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		350	61	ug/kg	1
Xylenes (total)	1330-20-7	8260B	3500		350	210	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		60	53-142		56	53-142
Bromofluorobenzene		59	47-138	N	31	47-138
Toluene-d8		72	68-124	N	34	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1540	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		460	14	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		460	18	ug/kg	1
Anthracene	120-12-7	8270D	ND		460	21	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		460	15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		460	34	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		460	31	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		460	32	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		460	38	ug/kg	1
Chrysene	218-01-9	8270D	ND		460	14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		460	31	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		460	15	ug/kg	1
Fluorene	86-73-7	8270D	34	J	460	18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		460	42	ug/kg	1
Naphthalene	91-20-3	8270D	140	J	460	20	ug/kg	1
Phenanthrene	85-01-8	8270D	160	J	460	19	ug/kg	1
Pyrene	129-00-0	8270D	20	J	460	20	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-42 (23-24')
Date Sampled: 04/09/2014 0955
Date Received: 04/09/2014

Laboratory ID: PD09043-030
Matrix: Solid
% Solids: 70.7 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		65	33-102
Nitrobenzene-d5		67	22-109
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (0-1')
Date Sampled: 04/09/2014 1035
Date Received: 04/09/2014

Laboratory ID: PD09043-032
Matrix: Solid
% Solids: 85.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1633	AAC		44761	6.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		18	5.9	ug/kg	1
Benzene	71-43-2	8260B	ND		4.4	0.96	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.4	1.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.4	0.61	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.4	1.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.8	2.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.4	1.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.4	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.4	1.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.4	1.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.4	0.73	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.4	0.88	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.4	0.59	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.4	1.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.4	1.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.4	0.75	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.4	1.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.4	1.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.4	1.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.4	1.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.4	0.64	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.4	0.88	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.4	1.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.4	0.67	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.4	1.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.4	0.80	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.4	0.60	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.4	0.72	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.4	1.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.8	1.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.4	0.20	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.4	0.86	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.4	0.35	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.8	1.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.4	0.36	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.4	2.3	ug/kg	1
Styrene	100-42-5	8260B	ND		4.4	0.96	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.4	0.41	ug/kg	1
Tetrachloroethene	127-18-4	8260B	26		4.4	0.44	ug/kg	1
Toluene	108-88-3	8260B	ND		4.4	1.5	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (0-1')
Date Sampled: 04/09/2014 1035
Date Received: 04/09/2014

Laboratory ID: PD09043-032
Matrix: Solid
% Solids: 85.7 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1633	AAC		44761	6.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.4	0.55	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.4	1.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.4	0.75	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.4	0.69	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.4	1.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.4	1.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.4	0.75	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.4	2.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	53-142
Bromofluorobenzene		96	47-138
Toluene-d8		102	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1604	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	20	J	380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	ND		380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (0-1')
Date Sampled: 04/09/2014 1035
Date Received: 04/09/2014

Laboratory ID: PD09043-032
Matrix: Solid
% Solids: 85.7 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		59	33-102
Nitrobenzene-d5		52	22-109
Terphenyl-d14		76	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (10-11')
Date Sampled: 04/09/2014 1045
Date Received: 04/09/2014

Laboratory ID: PD09043-033
Matrix: Solid
% Solids: 79.9 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1656	AAC		44761	4.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	9.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.8	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.8	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.8	0.96	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.8	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.8	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.8	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.8	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.8	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.8	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.8	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.8	0.92	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.8	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.8	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.8	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.8	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.8	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.8	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.8	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.8	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.8	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.8	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.8	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.8	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.8	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.8	0.93	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.8	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.8	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.8	0.31	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.8	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.8	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.8	0.56	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.8	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.8	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.8	0.64	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.92	J	6.8	0.68	ug/kg	1
Toluene	108-88-3	8260B	ND		6.8	2.3	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (10-11')
Date Sampled: 04/09/2014 1045
Date Received: 04/09/2014

Laboratory ID: PD09043-033
Matrix: Solid
% Solids: 79.9 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1656	AAC		44761	4.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.8	0.86	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.8	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.8	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.8	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.8	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.8	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.8	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.8	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1629	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		400	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		400	16	ug/kg	1
Anthracene	120-12-7	8270D	ND		400	18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		400	13	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		400	29	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	27	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	27	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	33	ug/kg	1
Chrysene	218-01-9	8270D	ND		400	13	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	27	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		400	13	ug/kg	1
Fluorene	86-73-7	8270D	ND		400	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	36	ug/kg	1
Naphthalene	91-20-3	8270D	ND		400	17	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		400	16	ug/kg	1
Pyrene	129-00-0	8270D	ND		400	17	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (10-11')
Date Sampled: 04/09/2014 1045
Date Received: 04/09/2014

Laboratory ID: PD09043-033
Matrix: Solid
% Solids: 79.9 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		50	33-102
Nitrobenzene-d5		44	22-109
Terphenyl-d14		70	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (19-20')
Date Sampled: 04/09/2014 1055
Date Received: 04/09/2014

Laboratory ID: PD09043-034
Matrix: Solid
% Solids: 85.2 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1719	AAC		44761	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.1	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	0.74	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	0.88	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	0.72	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	0.90	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	0.77	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	0.81	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	0.97	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	0.72	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	0.87	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	0.42	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	0.53	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (19-20')
Date Sampled: 04/09/2014 1055
Date Received: 04/09/2014

Laboratory ID: PD09043-034
Matrix: Solid
% Solids: 85.2 04/09/2014 2037

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	04/14/2014 1719	AAC		44761	5.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	0.67	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	0.90	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	0.84	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.3	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.3	0.91	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		106	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	04/15/2014 1653	RBH	04/12/2014 1300	44657

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	25	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	ND		380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-50 (19-20')
Date Sampled: 04/09/2014 1055
Date Received: 04/09/2014

Laboratory ID: PD09043-034
Matrix: Solid
% Solids: 85.2 04/09/2014 2037

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		46	33-102
Nitrobenzene-d5		38	22-109
Terphenyl-d14		70	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TRIP BLANK 4/8/14A
Date Sampled: 04/09/2014
Date Received: 04/09/2014

Laboratory ID: PD09043-035
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2014 0149	PMM2		44544

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TRIP BLANK 4/8/14A
Date Sampled: 04/09/2014
Date Received: 04/09/2014

Laboratory ID: PD09043-035
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2014 0149	PMM2		44544

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: IDW-DRUMS 1&2
Date Sampled: 04/09/2014 1115
Date Received: 04/09/2014

Laboratory ID: PD09043-036
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	04/17/2014 0211	PMM2		44960	04/11/2014 0120

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	0.76		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TRIP BLANK 4/8/14B
Date Sampled: 04/09/2014
Date Received: 04/09/2014

Laboratory ID: PD09043-037
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2014 0212	PMM2		44544

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TRIP BLANK 4/8/14B
Date Sampled: 04/09/2014
Date Received: 04/09/2014

Laboratory ID: PD09043-037
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2014 0212	PMM2		44544

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TRIP BLANK 4/9/14
Date Sampled: 04/09/2014
Date Received: 04/09/2014

Laboratory ID: PD09043-038
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2014 0236	PMM2		44544

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TRIP BLANK 4/9/14
Date Sampled: 04/09/2014
Date Received: 04/09/2014

Laboratory ID: PD09043-038
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/11/2014 0236	PMM2		44544

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44544-001
Batch: 44544
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	04/11/2014 0018
Benzene	ND		1	5.0	0.20	ug/L	04/11/2014 0018
Bromodichloromethane	ND		1	5.0	1.7	ug/L	04/11/2014 0018
Bromoform	ND		1	5.0	0.40	ug/L	04/11/2014 0018
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	04/11/2014 0018
2-Butanone (MEK)	ND		1	10	1.8	ug/L	04/11/2014 0018
Carbon disulfide	ND		1	5.0	0.30	ug/L	04/11/2014 0018
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	04/11/2014 0018
Chlorobenzene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
Chloroethane	ND		1	5.0	0.50	ug/L	04/11/2014 0018
Chloroform	ND		1	5.0	1.7	ug/L	04/11/2014 0018
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	04/11/2014 0018
Cyclohexane	ND		1	5.0	0.98	ug/L	04/11/2014 0018
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	04/11/2014 0018
Dibromochloromethane	ND		1	5.0	1.7	ug/L	04/11/2014 0018
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	04/11/2014 0018
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	04/11/2014 0018
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	04/11/2014 0018
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	04/11/2014 0018
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	04/11/2014 0018
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	04/11/2014 0018
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	04/11/2014 0018
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	04/11/2014 0018
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/11/2014 0018
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	04/11/2014 0018
Ethylbenzene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
2-Hexanone	ND		1	10	1.0	ug/L	04/11/2014 0018
Isopropylbenzene	ND		1	5.0	1.0	ug/L	04/11/2014 0018
Methyl acetate	ND		1	5.0	0.72	ug/L	04/11/2014 0018
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	04/11/2014 0018
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	04/11/2014 0018
Methylcyclohexane	ND		1	5.0	0.95	ug/L	04/11/2014 0018
Methylene chloride	ND		1	5.0	1.7	ug/L	04/11/2014 0018
Styrene	ND		1	5.0	0.10	ug/L	04/11/2014 0018
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	04/11/2014 0018
Tetrachloroethene	ND		1	5.0	0.40	ug/L	04/11/2014 0018
Toluene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	04/11/2014 0018
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	04/11/2014 0018
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	04/11/2014 0018
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	04/11/2014 0018

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44544-001
Batch: 44544
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	04/11/2014 0018
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	04/11/2014 0018
Vinyl chloride	ND		1	2.0	0.10	ug/L	04/11/2014 0018
Xylenes (total)	ND		1	5.0	1.7	ug/L	04/11/2014 0018

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44544-002
Batch: 44544
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	121	60-140	04/10/2014 2248
Benzene	50	52		1	104	70-130	04/10/2014 2248
Bromodichloromethane	50	51		1	103	70-130	04/10/2014 2248
Bromoform	50	40		1	80	70-130	04/10/2014 2248
Bromomethane (Methyl bromide)	50	52		1	104	60-140	04/10/2014 2248
2-Butanone (MEK)	100	100		1	102	60-140	04/10/2014 2248
Carbon disulfide	50	53		1	107	60-140	04/10/2014 2248
Carbon tetrachloride	50	52		1	103	70-130	04/10/2014 2248
Chlorobenzene	50	50		1	100	70-130	04/10/2014 2248
Chloroethane	50	53		1	105	42-163	04/10/2014 2248
Chloroform	50	51		1	102	70-130	04/10/2014 2248
Chloromethane (Methyl chloride)	50	51		1	101	60-140	04/10/2014 2248
Cyclohexane	50	49		1	99	70-130	04/10/2014 2248
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	70-130	04/10/2014 2248
Dibromochloromethane	50	49		1	99	70-130	04/10/2014 2248
1,2-Dibromoethane (EDB)	50	51		1	103	70-130	04/10/2014 2248
1,4-Dichlorobenzene	50	51		1	101	70-130	04/10/2014 2248
1,3-Dichlorobenzene	50	50		1	101	70-130	04/10/2014 2248
1,2-Dichlorobenzene	50	51		1	102	70-130	04/10/2014 2248
Dichlorodifluoromethane	50	54		1	108	60-140	04/10/2014 2248
1,2-Dichloroethane	50	51		1	103	70-130	04/10/2014 2248
1,1-Dichloroethane	50	51		1	102	70-130	04/10/2014 2248
trans-1,2-Dichloroethene	50	50		1	101	70-130	04/10/2014 2248
cis-1,2-Dichloroethene	50	52		1	103	70-130	04/10/2014 2248
1,1-Dichloroethene	50	53		1	105	70-130	04/10/2014 2248
1,2-Dichloropropane	50	52		1	104	70-130	04/10/2014 2248
trans-1,3-Dichloropropene	50	52		1	104	70-130	04/10/2014 2248
cis-1,3-Dichloropropene	50	53		1	105	70-130	04/10/2014 2248
Ethylbenzene	50	51		1	101	70-130	04/10/2014 2248
2-Hexanone	100	100		1	101	60-140	04/10/2014 2248
Isopropylbenzene	50	50		1	101	70-130	04/10/2014 2248
Methyl acetate	50	56		1	112	70-130	04/10/2014 2248
Methyl tertiary butyl ether (MTBE)	50	53		1	107	70-130	04/10/2014 2248
4-Methyl-2-pentanone	100	100		1	102	60-140	04/10/2014 2248
Methylcyclohexane	50	52		1	105	70-130	04/10/2014 2248
Methylene chloride	50	48		1	97	70-130	04/10/2014 2248
Styrene	50	52		1	105	70-130	04/10/2014 2248
1,1,2,2-Tetrachloroethane	50	51		1	102	70-130	04/10/2014 2248
Tetrachloroethene	50	51		1	101	70-130	04/10/2014 2248
Toluene	50	51		1	101	70-130	04/10/2014 2248
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	60		1	119	70-130	04/10/2014 2248
1,2,4-Trichlorobenzene	50	56		1	112	70-130	04/10/2014 2248
1,1,2-Trichloroethane	50	50		1	100	70-130	04/10/2014 2248
1,1,1-Trichloroethane	50	51		1	101	70-130	04/10/2014 2248

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44544-002
Batch: 44544
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	04/10/2014 2248
Trichlorofluoromethane	50	47		1	94	70-130	04/10/2014 2248
Vinyl chloride	50	50		1	101	70-130	04/10/2014 2248
Xylenes (total)	100	100		1	103	70-130	04/10/2014 2248

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44544-003
Batch: 44544
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	93	+	1	93	26	60-140	20	04/10/2014 2311
Benzene	50	52		1	103	0.54	70-130	20	04/10/2014 2311
Bromodichloromethane	50	51		1	103	0.27	70-130	20	04/10/2014 2311
Bromoform	50	40		1	80	0.030	70-130	20	04/10/2014 2311
Bromomethane (Methyl bromide)	50	47		1	94	10	60-140	20	04/10/2014 2311
2-Butanone (MEK)	100	93		1	93	9.2	60-140	20	04/10/2014 2311
Carbon disulfide	50	53		1	105	1.2	60-140	20	04/10/2014 2311
Carbon tetrachloride	50	51		1	101	1.9	70-130	20	04/10/2014 2311
Chlorobenzene	50	50		1	101	0.97	70-130	20	04/10/2014 2311
Chloroethane	50	53		1	105	0.070	42-163	20	04/10/2014 2311
Chloroform	50	50		1	100	1.8	70-130	20	04/10/2014 2311
Chloromethane (Methyl chloride)	50	51		1	102	1.2	60-140	20	04/10/2014 2311
Cyclohexane	50	50		1	100	1.4	70-130	20	04/10/2014 2311
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	1.1	70-130	20	04/10/2014 2311
Dibromochloromethane	50	50		1	99	0.56	70-130	20	04/10/2014 2311
1,2-Dibromoethane (EDB)	50	52		1	103	0.52	70-130	20	04/10/2014 2311
1,4-Dichlorobenzene	50	51		1	102	0.58	70-130	20	04/10/2014 2311
1,3-Dichlorobenzene	50	51		1	102	1.4	70-130	20	04/10/2014 2311
1,2-Dichlorobenzene	50	51		1	102	0.15	70-130	20	04/10/2014 2311
Dichlorodifluoromethane	50	53		1	106	1.9	60-140	20	04/10/2014 2311
1,2-Dichloroethane	50	50		1	100	2.5	70-130	20	04/10/2014 2311
1,1-Dichloroethane	50	50		1	100	1.8	70-130	20	04/10/2014 2311
trans-1,2-Dichloroethene	50	50		1	101	0.27	70-130	20	04/10/2014 2311
cis-1,2-Dichloroethene	50	50		1	101	2.3	70-130	20	04/10/2014 2311
1,1-Dichloroethene	50	52		1	104	1.3	70-130	20	04/10/2014 2311
1,2-Dichloropropane	50	51		1	102	1.3	70-130	20	04/10/2014 2311
trans-1,3-Dichloropropene	50	53		1	106	1.6	70-130	20	04/10/2014 2311
cis-1,3-Dichloropropene	50	52		1	105	0.55	70-130	20	04/10/2014 2311
Ethylbenzene	50	52		1	104	2.4	70-130	20	04/10/2014 2311
2-Hexanone	100	100		1	104	2.8	60-140	20	04/10/2014 2311
Isopropylbenzene	50	51		1	101	0.56	70-130	20	04/10/2014 2311
Methyl acetate	50	49		1	98	13	70-130	20	04/10/2014 2311
Methyl tertiary butyl ether (MTBE)	50	50		1	99	7.3	70-130	20	04/10/2014 2311
4-Methyl-2-pentanone	100	99		1	99	2.4	60-140	20	04/10/2014 2311
Methylcyclohexane	50	52		1	104	0.69	70-130	20	04/10/2014 2311
Methylene chloride	50	47		1	94	2.5	70-130	20	04/10/2014 2311
Styrene	50	52		1	104	0.43	70-130	20	04/10/2014 2311
1,1,2,2-Tetrachloroethane	50	51		1	102	0.71	70-130	20	04/10/2014 2311
Tetrachloroethene	50	51		1	102	1.1	70-130	20	04/10/2014 2311
Toluene	50	50		1	100	0.66	70-130	20	04/10/2014 2311
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	119	0.64	70-130	20	04/10/2014 2311
1,2,4-Trichlorobenzene	50	58		1	115	2.6	70-130	20	04/10/2014 2311
1,1,2-Trichloroethane	50	50		1	100	0.068	70-130	20	04/10/2014 2311
1,1,1-Trichloroethane	50	50		1	100	1.3	70-130	20	04/10/2014 2311

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44544-003
Batch: 44544
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	101	0.42	70-130	20	04/10/2014 2311
Trichlorofluoromethane	50	47		1	93	1.1	70-130	20	04/10/2014 2311
Vinyl chloride	50	49		1	98	3.1	70-130	20	04/10/2014 2311
Xylenes (total)	100	100		1	103	0.70	70-130	20	04/10/2014 2311

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44665-001
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/12/2014 1744
Benzene	ND		1	5.0	1.1	ug/kg	04/12/2014 1744
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
Bromoform	ND		1	5.0	0.70	ug/kg	04/12/2014 1744
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/12/2014 1744
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/12/2014 1744
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/12/2014 1744
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/12/2014 1744
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
Chloroethane	ND		1	5.0	1.3	ug/kg	04/12/2014 1744
Chloroform	ND		1	5.0	0.83	ug/kg	04/12/2014 1744
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/12/2014 1744
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/12/2014 1744
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/12/2014 1744
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/12/2014 1744
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/12/2014 1744
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/12/2014 1744
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/12/2014 1744
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/12/2014 1744
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/12/2014 1744
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/12/2014 1744
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/12/2014 1744
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/12/2014 1744
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
2-Hexanone	ND		1	10	1.3	ug/kg	04/12/2014 1744
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/12/2014 1744
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/12/2014 1744
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/12/2014 1744
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/12/2014 1744
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/12/2014 1744
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/12/2014 1744
Styrene	ND		1	5.0	1.1	ug/kg	04/12/2014 1744
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/12/2014 1744
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/12/2014 1744
Toluene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/12/2014 1744
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/12/2014 1744
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/12/2014 1744
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/12/2014 1744

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44665-001
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/12/2014 1744
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/12/2014 1744
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/12/2014 1744
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/12/2014 1744

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44665-002
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	88		1	88	60-140	04/12/2014 1612
Benzene	50	44		1	89	69-123	04/12/2014 1612
Bromodichloromethane	50	46		1	92	69-121	04/12/2014 1612
Bromoform	50	47		1	94	61-119	04/12/2014 1612
Bromomethane (Methyl bromide)	50	48		1	96	10-168	04/12/2014 1612
2-Butanone (MEK)	100	97		1	97	57-148	04/12/2014 1612
Carbon disulfide	50	48		1	96	58-122	04/12/2014 1612
Carbon tetrachloride	50	46		1	93	58-136	04/12/2014 1612
Chlorobenzene	50	43		1	87	59-129	04/12/2014 1612
Chloroethane	50	48		1	97	42-163	04/12/2014 1612
Chloroform	50	46		1	91	71-125	04/12/2014 1612
Chloromethane (Methyl chloride)	50	49		1	99	34-134	04/12/2014 1612
Cyclohexane	50	44		1	89	53-139	04/12/2014 1612
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	55-125	04/12/2014 1612
Dibromochloromethane	50	45		1	90	66-119	04/12/2014 1612
1,2-Dibromoethane (EDB)	50	47		1	94	74-124	04/12/2014 1612
1,4-Dichlorobenzene	50	42		1	84	52-133	04/12/2014 1612
1,3-Dichlorobenzene	50	42		1	83	51-134	04/12/2014 1612
1,2-Dichlorobenzene	50	43		1	86	57-131	04/12/2014 1612
Dichlorodifluoromethane	50	52		1	103	10-157	04/12/2014 1612
1,2-Dichloroethane	50	45		1	89	67-129	04/12/2014 1612
1,1-Dichloroethane	50	46		1	92	71-127	04/12/2014 1612
trans-1,2-Dichloroethene	50	47		1	94	68-131	04/12/2014 1612
cis-1,2-Dichloroethene	50	45		1	90	70-122	04/12/2014 1612
1,1-Dichloroethene	50	48		1	95	69-138	04/12/2014 1612
1,2-Dichloropropane	50	45		1	91	72-124	04/12/2014 1612
trans-1,3-Dichloropropene	50	46		1	92	70-124	04/12/2014 1612
cis-1,3-Dichloropropene	50	46		1	92	70-126	04/12/2014 1612
Ethylbenzene	50	45		1	91	59-128	04/12/2014 1612
2-Hexanone	100	100		1	102	54-137	04/12/2014 1612
Isopropylbenzene	50	44		1	87	50-136	04/12/2014 1612
Methyl acetate	50	56		1	113	59-137	04/12/2014 1612
Methyl tertiary butyl ether (MTBE)	50	46		1	92	70-130	04/12/2014 1612
4-Methyl-2-pentanone	100	100		1	101	60-134	04/12/2014 1612
Methylcyclohexane	50	47		1	93	41-144	04/12/2014 1612
Methylene chloride	50	45		1	89	70-130	04/12/2014 1612
Styrene	50	46		1	91	54-136	04/12/2014 1612
1,1,2,2-Tetrachloroethane	50	44		1	89	69-132	04/12/2014 1612
Tetrachloroethene	50	43		1	86	45-150	04/12/2014 1612
Toluene	50	45		1	90	61-129	04/12/2014 1612
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	108	49-136	04/12/2014 1612
1,2,4-Trichlorobenzene	50	45		1	89	34-145	04/12/2014 1612
1,1,2-Trichloroethane	50	44		1	89	55-128	04/12/2014 1612
1,1,1-Trichloroethane	50	47		1	93	63-128	04/12/2014 1612

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44665-002
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	44		1	89	62-126	04/12/2014 1612
Trichlorofluoromethane	50	48		1	97	45-138	04/12/2014 1612
Vinyl chloride	50	49		1	98	42-132	04/12/2014 1612
Xylenes (total)	100	91		1	91	58-128	04/12/2014 1612

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		105	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44665-003
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	83		1	83	6.7	60-140	20	04/12/2014 1635
Benzene	50	43		1	86	3.3	69-123	20	04/12/2014 1635
Bromodichloromethane	50	44		1	88	4.7	69-121	20	04/12/2014 1635
Bromoform	50	46		1	91	2.9	61-119	20	04/12/2014 1635
Bromomethane (Methyl bromide)	50	46		1	91	5.1	10-168	20	04/12/2014 1635
2-Butanone (MEK)	100	92		1	92	5.3	57-148	20	04/12/2014 1635
Carbon disulfide	50	44		1	88	7.7	58-122	20	04/12/2014 1635
Carbon tetrachloride	50	45		1	90	3.2	58-136	20	04/12/2014 1635
Chlorobenzene	50	43		1	86	0.48	59-129	20	04/12/2014 1635
Chloroethane	50	47		1	95	2.1	42-163	20	04/12/2014 1635
Chloroform	50	44		1	88	3.5	71-125	20	04/12/2014 1635
Chloromethane (Methyl chloride)	50	47		1	94	4.7	34-134	20	04/12/2014 1635
Cyclohexane	50	44		1	88	1.2	53-139	20	04/12/2014 1635
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	2.7	55-125	20	04/12/2014 1635
Dibromochloromethane	50	44		1	88	2.1	66-119	20	04/12/2014 1635
1,2-Dibromoethane (EDB)	50	44		1	88	7.1	74-124	20	04/12/2014 1635
1,4-Dichlorobenzene	50	43		1	87	3.1	52-133	20	04/12/2014 1635
1,3-Dichlorobenzene	50	41		1	83	0.64	51-134	20	04/12/2014 1635
1,2-Dichlorobenzene	50	44		1	88	2.4	57-131	20	04/12/2014 1635
Dichlorodifluoromethane	50	51		1	103	0.57	10-157	20	04/12/2014 1635
1,2-Dichloroethane	50	44		1	88	0.84	67-129	20	04/12/2014 1635
1,1-Dichloroethane	50	44		1	88	5.1	71-127	20	04/12/2014 1635
trans-1,2-Dichloroethene	50	45		1	90	4.1	68-131	20	04/12/2014 1635
cis-1,2-Dichloroethene	50	45		1	89	0.77	70-122	20	04/12/2014 1635
1,1-Dichloroethene	50	45		1	89	6.8	69-138	20	04/12/2014 1635
1,2-Dichloropropane	50	43		1	86	5.8	72-124	20	04/12/2014 1635
trans-1,3-Dichloropropene	50	44		1	88	5.1	70-124	20	04/12/2014 1635
cis-1,3-Dichloropropene	50	45		1	89	3.5	70-126	20	04/12/2014 1635
Ethylbenzene	50	43		1	85	6.3	59-128	20	04/12/2014 1635
2-Hexanone	100	96		1	96	6.8	54-137	20	04/12/2014 1635
Isopropylbenzene	50	44		1	89	1.8	50-136	20	04/12/2014 1635
Methyl acetate	50	51		1	101	11	59-137	20	04/12/2014 1635
Methyl tertiary butyl ether (MTBE)	50	46		1	92	0.20	70-130	20	04/12/2014 1635
4-Methyl-2-pentanone	100	97		1	97	4.5	60-134	20	04/12/2014 1635
Methylcyclohexane	50	43		1	87	7.1	41-144	20	04/12/2014 1635
Methylene chloride	50	44		1	87	2.2	70-130	20	04/12/2014 1635
Styrene	50	43		1	85	6.8	54-136	20	04/12/2014 1635
1,1,2,2-Tetrachloroethane	50	47		1	93	4.8	69-132	20	04/12/2014 1635
Tetrachloroethene	50	41		1	83	3.4	45-150	20	04/12/2014 1635
Toluene	50	42		1	84	7.4	61-129	20	04/12/2014 1635
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	4.0	49-136	20	04/12/2014 1635
1,2,4-Trichlorobenzene	50	45		1	90	0.33	34-145	20	04/12/2014 1635
1,1,2-Trichloroethane	50	42		1	85	4.4	55-128	20	04/12/2014 1635
1,1,1-Trichloroethane	50	45		1	89	4.1	63-128	20	04/12/2014 1635

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44665-003
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	83	6.0	62-126	20	04/12/2014 1635
Trichlorofluoromethane	50	47		1	93	4.1	45-138	20	04/12/2014 1635
Vinyl chloride	50	47		1	93	4.9	42-132	20	04/12/2014 1635
Xylenes (total)	100	86		1	86	5.5	58-128	20	04/12/2014 1635

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		107	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PD09043-001DU
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	ND	ND		1	0.00	20	04/12/2014 1944
Benzene	ND	ND		1	0.00	20	04/12/2014 1944
Bromodichloromethane	ND	ND		1	0.00	20	04/12/2014 1944
Bromoform	ND	ND		1	0.00	20	04/12/2014 1944
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	04/12/2014 1944
2-Butanone (MEK)	ND	ND		1	0.00	20	04/12/2014 1944
Carbon disulfide	ND	ND		1	0.00	20	04/12/2014 1944
Carbon tetrachloride	ND	ND		1	0.00	20	04/12/2014 1944
Chlorobenzene	ND	ND		1	0.00	20	04/12/2014 1944
Chloroethane	ND	ND		1	0.00	20	04/12/2014 1944
Chloroform	ND	ND		1	0.00	20	04/12/2014 1944
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	04/12/2014 1944
Cyclohexane	ND	ND		1	0.00	20	04/12/2014 1944
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	04/12/2014 1944
Dibromochloromethane	ND	ND		1	0.00	20	04/12/2014 1944
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	04/12/2014 1944
1,2-Dichlorobenzene	ND	ND		1	0.00	20	04/12/2014 1944
1,3-Dichlorobenzene	ND	ND		1	0.00	20	04/12/2014 1944
1,4-Dichlorobenzene	ND	ND		1	0.00	20	04/12/2014 1944
Dichlorodifluoromethane	ND	ND		1	0.00	20	04/12/2014 1944
1,1-Dichloroethane	ND	ND		1	0.00	20	04/12/2014 1944
1,2-Dichloroethane	ND	ND		1	0.00	20	04/12/2014 1944
1,1-Dichloroethene	ND	ND		1	0.00	20	04/12/2014 1944
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	04/12/2014 1944
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	04/12/2014 1944
1,2-Dichloropropane	ND	ND		1	0.00	20	04/12/2014 1944
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	04/12/2014 1944
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	04/12/2014 1944
Ethylbenzene	ND	ND		1	0.00	20	04/12/2014 1944
2-Hexanone	ND	ND		1	0.00	20	04/12/2014 1944
Isopropylbenzene	ND	ND		1	0.00	20	04/12/2014 1944
Methyl acetate	ND	ND		1	0.00	20	04/12/2014 1944
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	04/12/2014 1944
4-Methyl-2-pentanone	ND	ND		1	0.00	20	04/12/2014 1944
Methylcyclohexane	ND	ND		1	0.00	20	04/12/2014 1944
Methylene chloride	ND	ND		1	0.00	20	04/12/2014 1944
Styrene	ND	ND		1	0.00	20	04/12/2014 1944
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	04/12/2014 1944
Tetrachloroethene	ND	ND		1	0.00	20	04/12/2014 1944
Toluene	ND	ND		1	0.00	20	04/12/2014 1944
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	04/12/2014 1944
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	04/12/2014 1944
1,1,1-Trichloroethane	ND	ND		1	0.00	20	04/12/2014 1944
1,1,2-Trichloroethane	ND	ND		1	0.00	20	04/12/2014 1944

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PD09043-001DU
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	ND	ND		1	0.00	20	04/12/2014 1944
Trichlorofluoromethane	ND	ND		1	0.00	20	04/12/2014 1944
Vinyl chloride	ND	ND		1	0.00	20	04/12/2014 1944
Xylenes (total)	ND	ND		1	0.00	20	04/12/2014 1944

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD09043-007MS
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	110	93		1	85	60-140	04/12/2014 2008
Benzene	ND	55	61		1	112	69-123	04/12/2014 2008
Bromodichloromethane	ND	55	59		1	108	69-121	04/12/2014 2008
Bromoform	ND	55	59		1	109	61-119	04/12/2014 2008
Bromomethane (Methyl bromide)	ND	55	68		1	124	35-144	04/12/2014 2008
2-Butanone (MEK)	ND	110	100		1	94	57-148	04/12/2014 2008
Carbon disulfide	ND	55	67	N	1	123	58-122	04/12/2014 2008
Carbon tetrachloride	ND	55	67		1	122	58-136	04/12/2014 2008
Chlorobenzene	ND	55	60		1	110	59-129	04/12/2014 2008
Chloroethane	ND	55	71		1	129	50-132	04/12/2014 2008
Chloroform	ND	55	62		1	113	71-125	04/12/2014 2008
Chloromethane (Methyl chloride)	ND	55	68		1	125	34-134	04/12/2014 2008
Cyclohexane	ND	55	65		1	120	53-139	04/12/2014 2008
1,2-Dibromo-3-chloropropane (DBCP)	ND	55	58		1	106	55-125	04/12/2014 2008
Dibromochloromethane	ND	55	59		1	107	66-119	04/12/2014 2008
1,2-Dibromoethane (EDB)	ND	55	58		1	107	74-124	04/12/2014 2008
1,2-Dichlorobenzene	ND	55	60		1	110	57-131	04/12/2014 2008
1,3-Dichlorobenzene	ND	55	59		1	108	51-134	04/12/2014 2008
1,4-Dichlorobenzene	ND	55	60		1	110	52-133	04/12/2014 2008
Dichlorodifluoromethane	ND	55	75		1	138	10-157	04/12/2014 2008
1,1-Dichloroethane	ND	55	64		1	117	71-127	04/12/2014 2008
1,2-Dichloroethane	ND	55	58		1	106	67-129	04/12/2014 2008
1,1-Dichloroethene	ND	55	68		1	124	69-138	04/12/2014 2008
cis-1,2-Dichloroethene	ND	55	63		1	116	70-122	04/12/2014 2008
trans-1,2-Dichloroethene	ND	55	66		1	120	68-131	04/12/2014 2008
1,2-Dichloropropane	ND	55	61		1	111	72-124	04/12/2014 2008
cis-1,3-Dichloropropene	ND	55	61		1	111	70-126	04/12/2014 2008
trans-1,3-Dichloropropene	ND	55	60		1	109	70-124	04/12/2014 2008
Ethylbenzene	ND	55	63		1	115	59-128	04/12/2014 2008
2-Hexanone	ND	110	100		1	95	54-137	04/12/2014 2008
Isopropylbenzene	ND	55	66		1	121	50-136	04/12/2014 2008
Methyl acetate	ND	55	60		1	111	59-137	04/12/2014 2008
Methyl tertiary butyl ether (MTBE)	ND	55	59		1	107	70-130	04/12/2014 2008
4-Methyl-2-pentanone	ND	110	110		1	102	60-134	04/12/2014 2008
Methylcyclohexane	ND	55	67		1	122	41-144	04/12/2014 2008
Methylene chloride	ND	55	60		1	110	77-129	04/12/2014 2008
Styrene	ND	55	62		1	114	54-136	04/12/2014 2008
1,1,2,2-Tetrachloroethane	ND	55	58		1	106	69-132	04/12/2014 2008
Tetrachloroethene	ND	55	63		1	115	70-130	04/12/2014 2008
Toluene	ND	55	59		1	108	61-129	04/12/2014 2008
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	55	78	N	1	144	49-136	04/12/2014 2008
1,2,4-Trichlorobenzene	ND	55	61		1	111	34-145	04/12/2014 2008
1,1,1-Trichloroethane	ND	55	65		1	119	63-128	04/12/2014 2008
1,1,2-Trichloroethane	ND	55	54		1	100	55-128	04/12/2014 2008

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD09043-007MS
Batch: 44665
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	55	62		1	114	62-126	04/12/2014 2008
Trichlorofluoromethane	ND	55	69		1	126	45-138	04/12/2014 2008
Vinyl chloride	ND	55	70		1	129	42-132	04/12/2014 2008
Xylenes (total)	ND	110	130		1	117	58-128	04/12/2014 2008

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		98	47-138
Toluene-d8		106	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44667-001
Batch: 44667
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/12/2014 2140
Benzene	ND		50	250	55	ug/kg	04/12/2014 2140
Bromodichloromethane	ND		50	250	85	ug/kg	04/12/2014 2140
Bromoform	ND		50	250	35	ug/kg	04/12/2014 2140
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/12/2014 2140
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/12/2014 2140
Carbon disulfide	ND		50	250	65	ug/kg	04/12/2014 2140
Carbon tetrachloride	ND		50	250	90	ug/kg	04/12/2014 2140
Chlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
Chloroethane	ND		50	250	65	ug/kg	04/12/2014 2140
Chloroform	ND		50	250	42	ug/kg	04/12/2014 2140
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/12/2014 2140
Cyclohexane	ND		50	250	34	ug/kg	04/12/2014 2140
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/12/2014 2140
Dibromochloromethane	ND		50	250	85	ug/kg	04/12/2014 2140
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/12/2014 2140
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/12/2014 2140
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/12/2014 2140
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/12/2014 2140
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/12/2014 2140
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/12/2014 2140
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/12/2014 2140
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/12/2014 2140
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/12/2014 2140
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/12/2014 2140
Ethylbenzene	ND		50	250	85	ug/kg	04/12/2014 2140
2-Hexanone	ND		50	500	65	ug/kg	04/12/2014 2140
Isopropylbenzene	ND		50	250	12	ug/kg	04/12/2014 2140
Methyl acetate	ND		50	250	49	ug/kg	04/12/2014 2140
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/12/2014 2140
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/12/2014 2140
Methylcyclohexane	ND		50	250	21	ug/kg	04/12/2014 2140
Methylene chloride	ND		50	250	130	ug/kg	04/12/2014 2140
Styrene	ND		50	250	55	ug/kg	04/12/2014 2140
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/12/2014 2140
Tetrachloroethene	ND		50	250	25	ug/kg	04/12/2014 2140
Toluene	ND		50	250	85	ug/kg	04/12/2014 2140
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/12/2014 2140
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/12/2014 2140
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/12/2014 2140

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44667-001
Batch: 44667
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/12/2014 2140
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/12/2014 2140
Vinyl chloride	ND		50	250	43	ug/kg	04/12/2014 2140
Xylenes (total)	ND		50	250	150	ug/kg	04/12/2014 2140

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44667-002
Batch: 44667
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	61	60-140	04/13/2014 0130
Benzene	2500	2400		50	98	69-123	04/13/2014 0130
Bromodichloromethane	2500	2400		50	96	69-121	04/13/2014 0130
Bromoform	2500	2300		50	94	61-119	04/13/2014 0130
Bromomethane (Methyl bromide)	2500	1900		50	78	10-168	04/13/2014 0130
2-Butanone (MEK)	5000	4500		50	89	57-148	04/13/2014 0130
Carbon disulfide	2500	2300		50	93	58-122	04/13/2014 0130
Carbon tetrachloride	2500	2500		50	100	58-136	04/13/2014 0130
Chlorobenzene	2500	2400		50	97	59-129	04/13/2014 0130
Chloroethane	2500	2200		50	90	42-163	04/13/2014 0130
Chloroform	2500	2500		50	100	71-125	04/13/2014 0130
Chloromethane (Methyl chloride)	2500	2100		50	86	34-134	04/13/2014 0130
Cyclohexane	2500	2500		50	99	53-139	04/13/2014 0130
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	93	55-125	04/13/2014 0130
Dibromochloromethane	2500	2400		50	95	66-119	04/13/2014 0130
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/13/2014 0130
1,4-Dichlorobenzene	2500	2300		50	92	52-133	04/13/2014 0130
1,3-Dichlorobenzene	2500	2400		50	95	51-134	04/13/2014 0130
1,2-Dichlorobenzene	2500	2400		50	95	57-131	04/13/2014 0130
Dichlorodifluoromethane	2500	1800		50	73	10-157	04/13/2014 0130
1,2-Dichloroethane	2500	2400		50	98	67-129	04/13/2014 0130
1,1-Dichloroethane	2500	2500		50	101	71-127	04/13/2014 0130
trans-1,2-Dichloroethene	2500	2500		50	101	68-131	04/13/2014 0130
cis-1,2-Dichloroethene	2500	2500		50	101	70-122	04/13/2014 0130
1,1-Dichloroethene	2500	2500		50	99	69-138	04/13/2014 0130
1,2-Dichloropropane	2500	2400		50	98	72-124	04/13/2014 0130
trans-1,3-Dichloropropene	2500	2500		50	99	70-124	04/13/2014 0130
cis-1,3-Dichloropropene	2500	2500		50	99	70-126	04/13/2014 0130
Ethylbenzene	2500	2500		50	100	59-128	04/13/2014 0130
2-Hexanone	5000	4500		50	90	54-137	04/13/2014 0130
Isopropylbenzene	2500	2600		50	103	50-136	04/13/2014 0130
Methyl acetate	2500	2700		50	108	59-137	04/13/2014 0130
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	70-130	04/13/2014 0130
4-Methyl-2-pentanone	5000	4800		50	95	60-134	04/13/2014 0130
Methylcyclohexane	2500	2500		50	101	41-144	04/13/2014 0130
Methylene chloride	2500	2400		50	94	70-130	04/13/2014 0130
Styrene	2500	2500		50	98	54-136	04/13/2014 0130
1,1,2,2-Tetrachloroethane	2500	2300		50	92	69-132	04/13/2014 0130
Tetrachloroethene	2500	2400		50	98	45-150	04/13/2014 0130
Toluene	2500	2400		50	95	61-129	04/13/2014 0130
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2800		50	114	49-136	04/13/2014 0130
1,2,4-Trichlorobenzene	2500	2400		50	95	34-145	04/13/2014 0130
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/13/2014 0130
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/13/2014 0130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44667-002
Batch: 44667
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2500		50	98	62-126	04/13/2014 0130
Trichlorofluoromethane	2500	2400		50	96	45-138	04/13/2014 0130
Vinyl chloride	2500	2200		50	86	42-132	04/13/2014 0130
Xylenes (total)	5000	5000		50	100	58-128	04/13/2014 0130

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		91	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44667-003
Batch: 44667
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	72	17	60-140	20	04/12/2014 2054
Benzene	2500	2400		50	98	0.35	69-123	20	04/12/2014 2054
Bromodichloromethane	2500	2400		50	94	1.6	69-121	20	04/12/2014 2054
Bromoform	2500	2400		50	97	3.8	61-119	20	04/12/2014 2054
Bromomethane (Methyl bromide)	2500	1900		50	76	2.2	10-168	20	04/12/2014 2054
2-Butanone (MEK)	5000	4500		50	90	0.49	57-148	20	04/12/2014 2054
Carbon disulfide	2500	2300		50	93	0.46	58-122	20	04/12/2014 2054
Carbon tetrachloride	2500	2600		50	102	2.3	58-136	20	04/12/2014 2054
Chlorobenzene	2500	2400		50	98	1.4	59-129	20	04/12/2014 2054
Chloroethane	2500	2200		50	88	1.6	42-163	20	04/12/2014 2054
Chloroform	2500	2400		50	98	2.0	71-125	20	04/12/2014 2054
Chloromethane (Methyl chloride)	2500	2100		50	84	2.2	34-134	20	04/12/2014 2054
Cyclohexane	2500	2500		50	99	0.56	53-139	20	04/12/2014 2054
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	4.0	55-125	20	04/12/2014 2054
Dibromochloromethane	2500	2400		50	95	0.31	66-119	20	04/12/2014 2054
1,2-Dibromoethane (EDB)	2500	2400		50	96	1.5	74-124	20	04/12/2014 2054
1,4-Dichlorobenzene	2500	2400		50	94	2.1	52-133	20	04/12/2014 2054
1,3-Dichlorobenzene	2500	2400		50	96	0.64	51-134	20	04/12/2014 2054
1,2-Dichlorobenzene	2500	2400		50	97	1.8	57-131	20	04/12/2014 2054
Dichlorodifluoromethane	2500	1800		50	73	0.96	10-157	20	04/12/2014 2054
1,2-Dichloroethane	2500	2400		50	98	0.17	67-129	20	04/12/2014 2054
1,1-Dichloroethane	2500	2500		50	102	1.3	71-127	20	04/12/2014 2054
trans-1,2-Dichloroethene	2500	2500		50	102	1.0	68-131	20	04/12/2014 2054
cis-1,2-Dichloroethene	2500	2500		50	100	0.70	70-122	20	04/12/2014 2054
1,1-Dichloroethene	2500	2500		50	101	2.5	69-138	20	04/12/2014 2054
1,2-Dichloropropane	2500	2400		50	97	0.52	72-124	20	04/12/2014 2054
trans-1,3-Dichloropropene	2500	2500		50	99	0.11	70-124	20	04/12/2014 2054
cis-1,3-Dichloropropene	2500	2400		50	97	1.8	70-126	20	04/12/2014 2054
Ethylbenzene	2500	2500		50	100	0.40	59-128	20	04/12/2014 2054
2-Hexanone	5000	4800		50	96	6.3	54-137	20	04/12/2014 2054
Isopropylbenzene	2500	2600		50	105	1.6	50-136	20	04/12/2014 2054
Methyl acetate	2500	2700		50	110	2.0	59-137	20	04/12/2014 2054
Methyl tertiary butyl ether (MTBE)	2500	2700		50	107	4.7	70-130	20	04/12/2014 2054
4-Methyl-2-pentanone	5000	5100		50	102	6.6	60-134	20	04/12/2014 2054
Methylcyclohexane	2500	2600		50	104	2.6	41-144	20	04/12/2014 2054
Methylene chloride	2500	2300		50	93	1.9	70-130	20	04/12/2014 2054
Styrene	2500	2500		50	101	2.9	54-136	20	04/12/2014 2054
1,1,2,2-Tetrachloroethane	2500	2400		50	97	5.6	69-132	20	04/12/2014 2054
Tetrachloroethene	2500	2500		50	101	2.7	45-150	20	04/12/2014 2054
Toluene	2500	2400		50	95	0.11	61-129	20	04/12/2014 2054
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	115	0.81	49-136	20	04/12/2014 2054
1,2,4-Trichlorobenzene	2500	2400		50	94	0.60	34-145	20	04/12/2014 2054
1,1,2-Trichloroethane	2500	2300		50	91	0.92	55-128	20	04/12/2014 2054
1,1,1-Trichloroethane	2500	2500		50	99	1.6	63-128	20	04/12/2014 2054

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44667-003
Batch: 44667
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2500		50	99	0.61	62-126	20	04/12/2014 2054
Trichlorofluoromethane	2500	2400		50	97	1.1	45-138	20	04/12/2014 2054
Vinyl chloride	2500	2200		50	89	3.3	42-132	20	04/12/2014 2054
Xylenes (total)	5000	5100		50	102	1.8	58-128	20	04/12/2014 2054

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44761-001
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/14/2014 1151
Benzene	ND		1	5.0	1.1	ug/kg	04/14/2014 1151
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
Bromoform	ND		1	5.0	0.70	ug/kg	04/14/2014 1151
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/14/2014 1151
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/14/2014 1151
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/14/2014 1151
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/14/2014 1151
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
Chloroethane	ND		1	5.0	1.3	ug/kg	04/14/2014 1151
Chloroform	ND		1	5.0	0.83	ug/kg	04/14/2014 1151
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/14/2014 1151
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/14/2014 1151
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/14/2014 1151
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/14/2014 1151
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/14/2014 1151
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/14/2014 1151
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/14/2014 1151
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/14/2014 1151
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/14/2014 1151
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/14/2014 1151
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/14/2014 1151
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/14/2014 1151
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
2-Hexanone	ND		1	10	1.3	ug/kg	04/14/2014 1151
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/14/2014 1151
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/14/2014 1151
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/14/2014 1151
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/14/2014 1151
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/14/2014 1151
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/14/2014 1151
Styrene	ND		1	5.0	1.1	ug/kg	04/14/2014 1151
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/14/2014 1151
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/14/2014 1151
Toluene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/14/2014 1151
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/14/2014 1151
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/14/2014 1151
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/14/2014 1151

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44761-001
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/14/2014 1151
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/14/2014 1151
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/14/2014 1151
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/14/2014 1151

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44761-002
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	93		1	93	60-140	04/14/2014 1019
Benzene	50	44		1	88	69-123	04/14/2014 1019
Bromodichloromethane	50	44		1	88	69-121	04/14/2014 1019
Bromoform	50	46		1	92	61-119	04/14/2014 1019
Bromomethane (Methyl bromide)	50	47		1	94	10-168	04/14/2014 1019
2-Butanone (MEK)	100	100		1	104	57-148	04/14/2014 1019
Carbon disulfide	50	47		1	93	58-122	04/14/2014 1019
Carbon tetrachloride	50	46		1	92	58-136	04/14/2014 1019
Chlorobenzene	50	43		1	85	59-129	04/14/2014 1019
Chloroethane	50	49		1	97	42-163	04/14/2014 1019
Chloroform	50	45		1	90	71-125	04/14/2014 1019
Chloromethane (Methyl chloride)	50	49		1	97	34-134	04/14/2014 1019
Cyclohexane	50	45		1	90	53-139	04/14/2014 1019
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	55-125	04/14/2014 1019
Dibromochloromethane	50	44		1	87	66-119	04/14/2014 1019
1,2-Dibromoethane (EDB)	50	45		1	90	74-124	04/14/2014 1019
1,2-Dichlorobenzene	50	43		1	85	57-131	04/14/2014 1019
1,3-Dichlorobenzene	50	42		1	84	51-134	04/14/2014 1019
1,4-Dichlorobenzene	50	40		1	81	52-133	04/14/2014 1019
Dichlorodifluoromethane	50	53		1	107	10-157	04/14/2014 1019
1,1-Dichloroethane	50	46		1	91	71-127	04/14/2014 1019
1,2-Dichloroethane	50	46		1	93	67-129	04/14/2014 1019
1,1-Dichloroethene	50	47		1	94	69-138	04/14/2014 1019
cis-1,2-Dichloroethene	50	46		1	91	70-122	04/14/2014 1019
trans-1,2-Dichloroethene	50	46		1	92	68-131	04/14/2014 1019
1,2-Dichloropropane	50	44		1	88	72-124	04/14/2014 1019
cis-1,3-Dichloropropene	50	46		1	92	70-126	04/14/2014 1019
trans-1,3-Dichloropropene	50	44		1	89	70-124	04/14/2014 1019
Ethylbenzene	50	42		1	85	59-128	04/14/2014 1019
2-Hexanone	100	100		1	103	54-137	04/14/2014 1019
Isopropylbenzene	50	42		1	84	50-136	04/14/2014 1019
Methyl acetate	50	58		1	115	59-137	04/14/2014 1019
Methyl tertiary butyl ether (MTBE)	50	47		1	94	70-130	04/14/2014 1019
4-Methyl-2-pentanone	100	110		1	106	60-134	04/14/2014 1019
Methylcyclohexane	50	45		1	89	41-144	04/14/2014 1019
Methylene chloride	50	44		1	88	70-130	04/14/2014 1019
Styrene	50	45		1	90	54-136	04/14/2014 1019
1,1,2,2-Tetrachloroethane	50	45		1	90	69-132	04/14/2014 1019
Tetrachloroethene	50	41		1	81	45-150	04/14/2014 1019
Toluene	50	42		1	85	61-129	04/14/2014 1019
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	109	49-136	04/14/2014 1019
1,2,4-Trichlorobenzene	50	44		1	88	34-145	04/14/2014 1019
1,1,1-Trichloroethane	50	46		1	92	63-128	04/14/2014 1019
1,1,2-Trichloroethane	50	42		1	85	55-128	04/14/2014 1019

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44761-002
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	44		1	87	62-126	04/14/2014 1019
Trichlorofluoromethane	50	49		1	98	45-138	04/14/2014 1019
Vinyl chloride	50	48		1	95	42-132	04/14/2014 1019
Xylenes (total)	100	88		1	88	58-128	04/14/2014 1019

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		106	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44761-003
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	3.0	60-140	20	04/14/2014 1042
Benzene	50	43		1	86	2.1	69-123	20	04/14/2014 1042
Bromodichloromethane	50	44		1	88	0.46	69-121	20	04/14/2014 1042
Bromoform	50	46		1	92	0.015	61-119	20	04/14/2014 1042
Bromomethane (Methyl bromide)	50	45		1	90	4.2	10-168	20	04/14/2014 1042
2-Butanone (MEK)	100	100		1	100	3.9	57-148	20	04/14/2014 1042
Carbon disulfide	50	43		1	87	6.8	58-122	20	04/14/2014 1042
Carbon tetrachloride	50	44		1	87	5.1	58-136	20	04/14/2014 1042
Chlorobenzene	50	41		1	82	3.9	59-129	20	04/14/2014 1042
Chloroethane	50	47		1	94	3.2	42-163	20	04/14/2014 1042
Chloroform	50	44		1	87	2.5	71-125	20	04/14/2014 1042
Chloromethane (Methyl chloride)	50	47		1	94	3.4	34-134	20	04/14/2014 1042
Cyclohexane	50	43		1	86	4.5	53-139	20	04/14/2014 1042
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	1.2	55-125	20	04/14/2014 1042
Dibromochloromethane	50	44		1	88	0.69	66-119	20	04/14/2014 1042
1,2-Dibromoethane (EDB)	50	45		1	91	0.69	74-124	20	04/14/2014 1042
1,2-Dichlorobenzene	50	42		1	85	0.34	57-131	20	04/14/2014 1042
1,3-Dichlorobenzene	50	42		1	84	0.59	51-134	20	04/14/2014 1042
1,4-Dichlorobenzene	50	40		1	80	0.51	52-133	20	04/14/2014 1042
Dichlorodifluoromethane	50	50		1	101	5.6	10-157	20	04/14/2014 1042
1,1-Dichloroethane	50	44		1	87	4.0	71-127	20	04/14/2014 1042
1,2-Dichloroethane	50	46		1	92	0.75	67-129	20	04/14/2014 1042
1,1-Dichloroethene	50	44		1	88	6.7	69-138	20	04/14/2014 1042
cis-1,2-Dichloroethene	50	44		1	89	2.6	70-122	20	04/14/2014 1042
trans-1,2-Dichloroethene	50	44		1	88	4.7	68-131	20	04/14/2014 1042
1,2-Dichloropropane	50	43		1	86	1.7	72-124	20	04/14/2014 1042
cis-1,3-Dichloropropene	50	45		1	89	3.1	70-126	20	04/14/2014 1042
trans-1,3-Dichloropropene	50	44		1	88	0.77	70-124	20	04/14/2014 1042
Ethylbenzene	50	42		1	84	1.5	59-128	20	04/14/2014 1042
2-Hexanone	100	100		1	105	1.5	54-137	20	04/14/2014 1042
Isopropylbenzene	50	41		1	81	2.6	50-136	20	04/14/2014 1042
Methyl acetate	50	58		1	115	0.075	59-137	20	04/14/2014 1042
Methyl tertiary butyl ether (MTBE)	50	48		1	95	1.2	70-130	20	04/14/2014 1042
4-Methyl-2-pentanone	100	110		1	108	2.0	60-134	20	04/14/2014 1042
Methylcyclohexane	50	43		1	86	4.4	41-144	20	04/14/2014 1042
Methylene chloride	50	43		1	87	1.5	70-130	20	04/14/2014 1042
Styrene	50	43		1	86	3.9	54-136	20	04/14/2014 1042
1,1,2,2-Tetrachloroethane	50	46		1	91	1.9	69-132	20	04/14/2014 1042
Tetrachloroethene	50	40		1	81	0.35	45-150	20	04/14/2014 1042
Toluene	50	42		1	84	1.5	61-129	20	04/14/2014 1042
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	103	5.9	49-136	20	04/14/2014 1042
1,2,4-Trichlorobenzene	50	42		1	85	3.9	34-145	20	04/14/2014 1042
1,1,1-Trichloroethane	50	44		1	88	4.2	63-128	20	04/14/2014 1042
1,1,2-Trichloroethane	50	42		1	85	0.049	55-128	20	04/14/2014 1042

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44761-003
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	42		1	84	4.4	62-126	20	04/14/2014 1042
Trichlorofluoromethane	50	46		1	91	7.3	45-138	20	04/14/2014 1042
Vinyl chloride	50	44		1	88	7.7	42-132	20	04/14/2014 1042
Xylenes (total)	100	85		1	85	3.3	58-128	20	04/14/2014 1042

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		106	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD09043-011MS
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	130	100		1	78	60-140	04/14/2014 1742
Benzene	ND	66	55		1	84	69-123	04/14/2014 1742
Bromodichloromethane	ND	66	55		1	84	69-121	04/14/2014 1742
Bromoform	ND	66	56		1	85	61-119	04/14/2014 1742
Bromomethane (Methyl bromide)	ND	66	59		1	89	35-144	04/14/2014 1742
2-Butanone (MEK)	ND	130	110		1	86	57-148	04/14/2014 1742
Carbon disulfide	ND	66	57		1	86	58-122	04/14/2014 1742
Carbon tetrachloride	ND	66	56		1	85	58-136	04/14/2014 1742
Chlorobenzene	ND	66	51		1	77	59-129	04/14/2014 1742
Chloroethane	ND	66	61		1	92	50-132	04/14/2014 1742
Chloroform	ND	66	55		1	83	71-125	04/14/2014 1742
Chloromethane (Methyl chloride)	ND	66	61		1	92	34-134	04/14/2014 1742
Cyclohexane	ND	66	56		1	84	53-139	04/14/2014 1742
1,2-Dibromo-3-chloropropane (DBCP)	ND	66	60		1	91	55-125	04/14/2014 1742
Dibromochloromethane	ND	66	55		1	83	66-119	04/14/2014 1742
1,2-Dibromoethane (EDB)	ND	66	54		1	81	74-124	04/14/2014 1742
1,2-Dichlorobenzene	ND	66	52		1	79	57-131	04/14/2014 1742
1,3-Dichlorobenzene	ND	66	48		1	73	51-134	04/14/2014 1742
1,4-Dichlorobenzene	ND	66	49		1	75	52-133	04/14/2014 1742
Dichlorodifluoromethane	ND	66	65		1	98	10-157	04/14/2014 1742
1,1-Dichloroethane	ND	66	55		1	84	71-127	04/14/2014 1742
1,2-Dichloroethane	ND	66	56		1	85	67-129	04/14/2014 1742
1,1-Dichloroethene	ND	66	58		1	88	69-138	04/14/2014 1742
cis-1,2-Dichloroethene	ND	66	56		1	84	70-122	04/14/2014 1742
trans-1,2-Dichloroethene	ND	66	57		1	86	68-131	04/14/2014 1742
1,2-Dichloropropane	ND	66	55		1	84	72-124	04/14/2014 1742
cis-1,3-Dichloropropene	ND	66	56		1	84	70-126	04/14/2014 1742
trans-1,3-Dichloropropene	ND	66	54		1	82	70-124	04/14/2014 1742
Ethylbenzene	ND	66	53		1	80	59-128	04/14/2014 1742
2-Hexanone	ND	130	110		1	83	54-137	04/14/2014 1742
Isopropylbenzene	ND	66	54		1	81	50-136	04/14/2014 1742
Methyl acetate	ND	66	66		1	101	59-137	04/14/2014 1742
Methyl tertiary butyl ether (MTBE)	ND	66	55		1	83	70-130	04/14/2014 1742
4-Methyl-2-pentanone	ND	130	120		1	89	60-134	04/14/2014 1742
Methylcyclohexane	ND	66	53		1	80	41-144	04/14/2014 1742
Methylene chloride	ND	66	54		1	82	77-129	04/14/2014 1742
Styrene	ND	66	53		1	80	54-136	04/14/2014 1742
1,1,2,2-Tetrachloroethane	ND	66	57		1	86	69-132	04/14/2014 1742
Tetrachloroethene	ND	66	51		1	77	70-130	04/14/2014 1742
Toluene	ND	66	52		1	79	61-129	04/14/2014 1742
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	66	65		1	99	49-136	04/14/2014 1742
1,2,4-Trichlorobenzene	ND	66	46		1	70	34-145	04/14/2014 1742
1,1,1-Trichloroethane	ND	66	56		1	85	63-128	04/14/2014 1742
1,1,2-Trichloroethane	ND	66	52		1	79	55-128	04/14/2014 1742

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PD09043-011MS
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	66	54		1	83	62-126	04/14/2014 1742
Trichlorofluoromethane	ND	66	58		1	88	45-138	04/14/2014 1742
Vinyl chloride	ND	66	59		1	90	42-132	04/14/2014 1742
Xylenes (total)	ND	130	110		1	80	58-128	04/14/2014 1742

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		100	47-138
Toluene-d8		107	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD09043-011MD
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	130	100		1	78	0.15	60-140	20	04/14/2014 1805
Benzene	ND	65	58		1	89	4.7	69-123	20	04/14/2014 1805
Bromodichloromethane	ND	65	57		1	87	3.1	69-121	20	04/14/2014 1805
Bromoform	ND	65	54		1	82	3.9	61-119	20	04/14/2014 1805
Bromomethane (Methyl bromide)	ND	65	63		1	96	6.1	35-144	20	04/14/2014 1805
2-Butanone (MEK)	ND	130	120		1	92	6.4	57-148	20	04/14/2014 1805
Carbon disulfide	ND	65	59		1	90	3.7	58-122	20	04/14/2014 1805
Carbon tetrachloride	ND	65	61		1	93	8.4	58-136	20	04/14/2014 1805
Chlorobenzene	ND	65	51		1	79	1.3	59-129	20	04/14/2014 1805
Chloroethane	ND	65	62		1	96	2.9	50-132	20	04/14/2014 1805
Chloroform	ND	65	59		1	91	7.9	71-125	20	04/14/2014 1805
Chloromethane (Methyl chloride)	ND	65	61		1	93	0.71	34-134	20	04/14/2014 1805
Cyclohexane	ND	65	58		1	88	3.2	53-139	20	04/14/2014 1805
1,2-Dibromo-3-chloropropane (DBCP)	ND	65	61		1	93	1.2	55-125	20	04/14/2014 1805
Dibromochloromethane	ND	65	55		1	84	0.85	66-119	20	04/14/2014 1805
1,2-Dibromoethane (EDB)	ND	65	53		1	82	0.35	74-124	20	04/14/2014 1805
1,2-Dichlorobenzene	ND	65	48		1	74	6.7	57-131	20	04/14/2014 1805
1,3-Dichlorobenzene	ND	65	47		1	73	0.92	51-134	20	04/14/2014 1805
1,4-Dichlorobenzene	ND	65	45		1	69	9.1	52-133	20	04/14/2014 1805
Dichlorodifluoromethane	ND	65	69		1	106	6.1	10-157	20	04/14/2014 1805
1,1-Dichloroethane	ND	65	59		1	91	7.1	71-127	20	04/14/2014 1805
1,2-Dichloroethane	ND	65	59		1	91	5.6	67-129	20	04/14/2014 1805
1,1-Dichloroethene	ND	65	62		1	94	6.4	69-138	20	04/14/2014 1805
cis-1,2-Dichloroethene	ND	65	60		1	91	7.1	70-122	20	04/14/2014 1805
trans-1,2-Dichloroethene	ND	65	60		1	91	5.3	68-131	20	04/14/2014 1805
1,2-Dichloropropane	ND	65	56		1	85	0.20	72-124	20	04/14/2014 1805
cis-1,3-Dichloropropene	ND	65	56		1	86	1.2	70-126	20	04/14/2014 1805
trans-1,3-Dichloropropene	ND	65	53		1	81	1.5	70-124	20	04/14/2014 1805
Ethylbenzene	ND	65	50		1	76	6.2	59-128	20	04/14/2014 1805
2-Hexanone	ND	130	120		1	88	4.8	54-137	20	04/14/2014 1805
Isopropylbenzene	ND	65	50		1	77	6.1	50-136	20	04/14/2014 1805
Methyl acetate	ND	65	68		1	105	3.0	59-137	20	04/14/2014 1805
Methyl tertiary butyl ether (MTBE)	ND	65	61		1	94	11	70-130	20	04/14/2014 1805
4-Methyl-2-pentanone	ND	130	130		1	97	7.4	60-134	20	04/14/2014 1805
Methylcyclohexane	ND	65	56		1	85	5.9	41-144	20	04/14/2014 1805
Methylene chloride	ND	65	56		1	86	4.5	77-129	20	04/14/2014 1805
Styrene	ND	65	50		1	77	5.0	54-136	20	04/14/2014 1805
1,1,2,2-Tetrachloroethane	ND	65	56		1	86	1.0	69-132	20	04/14/2014 1805
Tetrachloroethene	ND	65	49		1	75	3.6	70-130	20	04/14/2014 1805
Toluene	ND	65	55		1	84	5.2	61-129	20	04/14/2014 1805
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	65	70		1	107	6.4	49-136	20	04/14/2014 1805
1,2,4-Trichlorobenzene	ND	65	41		1	63	12	34-145	20	04/14/2014 1805
1,1,1-Trichloroethane	ND	65	61		1	93	8.9	63-128	20	04/14/2014 1805
1,1,2-Trichloroethane	ND	65	52		1	80	1.1	55-128	20	04/14/2014 1805

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PD09043-011MD
Batch: 44761
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	65	55		1	84	1.2	62-126	20	04/14/2014 1805
Trichlorofluoromethane	ND	65	62		1	94	6.1	45-138	20	04/14/2014 1805
Vinyl chloride	ND	65	62		1	94	3.9	42-132	20	04/14/2014 1805
Xylenes (total)	ND	130	100		1	78	3.6	58-128	20	04/14/2014 1805

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		97	47-138
Toluene-d8		111	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44764-001
Batch: 44764
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/12/2014 2140
Benzene	ND		50	250	55	ug/kg	04/12/2014 2140
Bromodichloromethane	ND		50	250	85	ug/kg	04/12/2014 2140
Bromoform	ND		50	250	35	ug/kg	04/12/2014 2140
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/12/2014 2140
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/12/2014 2140
Carbon disulfide	ND		50	250	65	ug/kg	04/12/2014 2140
Carbon tetrachloride	ND		50	250	90	ug/kg	04/12/2014 2140
Chlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
Chloroethane	ND		50	250	65	ug/kg	04/12/2014 2140
Chloroform	ND		50	250	42	ug/kg	04/12/2014 2140
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/12/2014 2140
Cyclohexane	ND		50	250	34	ug/kg	04/12/2014 2140
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/12/2014 2140
Dibromochloromethane	ND		50	250	85	ug/kg	04/12/2014 2140
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/12/2014 2140
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/12/2014 2140
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/12/2014 2140
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/12/2014 2140
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/12/2014 2140
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/12/2014 2140
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/12/2014 2140
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/12/2014 2140
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/12/2014 2140
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/12/2014 2140
Ethylbenzene	ND		50	250	85	ug/kg	04/12/2014 2140
2-Hexanone	ND		50	500	65	ug/kg	04/12/2014 2140
Isopropylbenzene	ND		50	250	12	ug/kg	04/12/2014 2140
Methyl acetate	ND		50	250	49	ug/kg	04/12/2014 2140
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/12/2014 2140
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/12/2014 2140
Methylcyclohexane	ND		50	250	21	ug/kg	04/12/2014 2140
Methylene chloride	ND		50	250	130	ug/kg	04/12/2014 2140
Styrene	ND		50	250	55	ug/kg	04/12/2014 2140
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/12/2014 2140
Tetrachloroethene	ND		50	250	25	ug/kg	04/12/2014 2140
Toluene	ND		50	250	85	ug/kg	04/12/2014 2140
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/12/2014 2140
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/12/2014 2140
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/12/2014 2140
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/12/2014 2140

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44764-001
Batch: 44764
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/12/2014 2140
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/12/2014 2140
Vinyl chloride	ND		50	250	43	ug/kg	04/12/2014 2140
Xylenes (total)	ND		50	250	150	ug/kg	04/12/2014 2140

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44764-002
Batch: 44764
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3000		50	61	60-140	04/13/2014 0130
Benzene	2500	2400		50	98	69-123	04/13/2014 0130
Bromodichloromethane	2500	2400		50	96	69-121	04/13/2014 0130
Bromoform	2500	2300		50	94	61-119	04/13/2014 0130
Bromomethane (Methyl bromide)	2500	1900		50	78	10-168	04/13/2014 0130
2-Butanone (MEK)	5000	4500		50	89	57-148	04/13/2014 0130
Carbon disulfide	2500	2300		50	93	58-122	04/13/2014 0130
Carbon tetrachloride	2500	2500		50	100	58-136	04/13/2014 0130
Chlorobenzene	2500	2400		50	97	59-129	04/13/2014 0130
Chloroethane	2500	2200		50	90	42-163	04/13/2014 0130
Chloroform	2500	2500		50	100	71-125	04/13/2014 0130
Chloromethane (Methyl chloride)	2500	2100		50	86	34-134	04/13/2014 0130
Cyclohexane	2500	2500		50	99	53-139	04/13/2014 0130
1,2-Dibromo-3-chloropropane (DBCP)	2500	2300		50	93	55-125	04/13/2014 0130
Dibromochloromethane	2500	2400		50	95	66-119	04/13/2014 0130
1,2-Dibromoethane (EDB)	2500	2400		50	97	74-124	04/13/2014 0130
1,4-Dichlorobenzene	2500	2300		50	92	52-133	04/13/2014 0130
1,3-Dichlorobenzene	2500	2400		50	95	51-134	04/13/2014 0130
1,2-Dichlorobenzene	2500	2400		50	95	57-131	04/13/2014 0130
Dichlorodifluoromethane	2500	1800		50	73	10-157	04/13/2014 0130
1,2-Dichloroethane	2500	2400		50	98	67-129	04/13/2014 0130
1,1-Dichloroethane	2500	2500		50	101	71-127	04/13/2014 0130
trans-1,2-Dichloroethene	2500	2500		50	101	68-131	04/13/2014 0130
cis-1,2-Dichloroethene	2500	2500		50	101	70-122	04/13/2014 0130
1,1-Dichloroethene	2500	2500		50	99	69-138	04/13/2014 0130
1,2-Dichloropropane	2500	2400		50	98	72-124	04/13/2014 0130
trans-1,3-Dichloropropene	2500	2500		50	99	70-124	04/13/2014 0130
cis-1,3-Dichloropropene	2500	2500		50	99	70-126	04/13/2014 0130
Ethylbenzene	2500	2500		50	100	59-128	04/13/2014 0130
2-Hexanone	5000	4500		50	90	54-137	04/13/2014 0130
Isopropylbenzene	2500	2600		50	103	50-136	04/13/2014 0130
Methyl acetate	2500	2700		50	108	59-137	04/13/2014 0130
Methyl tertiary butyl ether (MTBE)	2500	2800		50	112	70-130	04/13/2014 0130
4-Methyl-2-pentanone	5000	4800		50	95	60-134	04/13/2014 0130
Methylcyclohexane	2500	2500		50	101	41-144	04/13/2014 0130
Methylene chloride	2500	2400		50	94	70-130	04/13/2014 0130
Styrene	2500	2500		50	98	54-136	04/13/2014 0130
1,1,2,2-Tetrachloroethane	2500	2300		50	92	69-132	04/13/2014 0130
Tetrachloroethene	2500	2400		50	98	45-150	04/13/2014 0130
Toluene	2500	2400		50	95	61-129	04/13/2014 0130
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2800		50	114	49-136	04/13/2014 0130
1,2,4-Trichlorobenzene	2500	2400		50	95	34-145	04/13/2014 0130
1,1,2-Trichloroethane	2500	2300		50	92	55-128	04/13/2014 0130
1,1,1-Trichloroethane	2500	2500		50	101	63-128	04/13/2014 0130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44764-002
Batch: 44764
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	2500		50	98	62-126	04/13/2014 0130
Trichlorofluoromethane	2500	2400		50	96	45-138	04/13/2014 0130
Vinyl chloride	2500	2200		50	86	42-132	04/13/2014 0130
Xylenes (total)	5000	5000		50	100	58-128	04/13/2014 0130

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		91	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44764-003
Batch: 44764
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3600		50	72	17	60-140	20	04/12/2014 2054
Benzene	2500	2400		50	98	0.35	69-123	20	04/12/2014 2054
Bromodichloromethane	2500	2400		50	94	1.6	69-121	20	04/12/2014 2054
Bromoform	2500	2400		50	97	3.8	61-119	20	04/12/2014 2054
Bromomethane (Methyl bromide)	2500	1900		50	76	2.2	10-168	20	04/12/2014 2054
2-Butanone (MEK)	5000	4500		50	90	0.49	57-148	20	04/12/2014 2054
Carbon disulfide	2500	2300		50	93	0.46	58-122	20	04/12/2014 2054
Carbon tetrachloride	2500	2600		50	102	2.3	58-136	20	04/12/2014 2054
Chlorobenzene	2500	2400		50	98	1.4	59-129	20	04/12/2014 2054
Chloroethane	2500	2200		50	88	1.6	42-163	20	04/12/2014 2054
Chloroform	2500	2400		50	98	2.0	71-125	20	04/12/2014 2054
Chloromethane (Methyl chloride)	2500	2100		50	84	2.2	34-134	20	04/12/2014 2054
Cyclohexane	2500	2500		50	99	0.56	53-139	20	04/12/2014 2054
1,2-Dibromo-3-chloropropane (DBCP)	2500	2400		50	96	4.0	55-125	20	04/12/2014 2054
Dibromochloromethane	2500	2400		50	95	0.31	66-119	20	04/12/2014 2054
1,2-Dibromoethane (EDB)	2500	2400		50	96	1.5	74-124	20	04/12/2014 2054
1,4-Dichlorobenzene	2500	2400		50	94	2.1	52-133	20	04/12/2014 2054
1,3-Dichlorobenzene	2500	2400		50	96	0.64	51-134	20	04/12/2014 2054
1,2-Dichlorobenzene	2500	2400		50	97	1.8	57-131	20	04/12/2014 2054
Dichlorodifluoromethane	2500	1800		50	73	0.96	10-157	20	04/12/2014 2054
1,2-Dichloroethane	2500	2400		50	98	0.17	67-129	20	04/12/2014 2054
1,1-Dichloroethane	2500	2500		50	102	1.3	71-127	20	04/12/2014 2054
trans-1,2-Dichloroethene	2500	2500		50	102	1.0	68-131	20	04/12/2014 2054
cis-1,2-Dichloroethene	2500	2500		50	100	0.70	70-122	20	04/12/2014 2054
1,1-Dichloroethene	2500	2500		50	101	2.5	69-138	20	04/12/2014 2054
1,2-Dichloropropane	2500	2400		50	97	0.52	72-124	20	04/12/2014 2054
trans-1,3-Dichloropropene	2500	2500		50	99	0.11	70-124	20	04/12/2014 2054
cis-1,3-Dichloropropene	2500	2400		50	97	1.8	70-126	20	04/12/2014 2054
Ethylbenzene	2500	2500		50	100	0.40	59-128	20	04/12/2014 2054
2-Hexanone	5000	4800		50	96	6.3	54-137	20	04/12/2014 2054
Isopropylbenzene	2500	2600		50	105	1.6	50-136	20	04/12/2014 2054
Methyl acetate	2500	2700		50	110	2.0	59-137	20	04/12/2014 2054
Methyl tertiary butyl ether (MTBE)	2500	2700		50	107	4.7	70-130	20	04/12/2014 2054
4-Methyl-2-pentanone	5000	5100		50	102	6.6	60-134	20	04/12/2014 2054
Methylcyclohexane	2500	2600		50	104	2.6	41-144	20	04/12/2014 2054
Methylene chloride	2500	2300		50	93	1.9	70-130	20	04/12/2014 2054
Styrene	2500	2500		50	101	2.9	54-136	20	04/12/2014 2054
1,1,2,2-Tetrachloroethane	2500	2400		50	97	5.6	69-132	20	04/12/2014 2054
Tetrachloroethene	2500	2500		50	101	2.7	45-150	20	04/12/2014 2054
Toluene	2500	2400		50	95	0.11	61-129	20	04/12/2014 2054
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	2900		50	115	0.81	49-136	20	04/12/2014 2054
1,2,4-Trichlorobenzene	2500	2400		50	94	0.60	34-145	20	04/12/2014 2054
1,1,2-Trichloroethane	2500	2300		50	91	0.92	55-128	20	04/12/2014 2054
1,1,1-Trichloroethane	2500	2500		50	99	1.6	63-128	20	04/12/2014 2054

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44764-003
Batch: 44764
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2500		50	99	0.61	62-126	20	04/12/2014 2054
Trichlorofluoromethane	2500	2400		50	97	1.1	45-138	20	04/12/2014 2054
Vinyl chloride	2500	2200		50	89	3.3	42-132	20	04/12/2014 2054
Xylenes (total)	5000	5100		50	102	1.8	58-128	20	04/12/2014 2054

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44774-001
Batch: 44774
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/14/2014 1914
Benzene	ND		50	250	55	ug/kg	04/14/2014 1914
Bromodichloromethane	ND		50	250	85	ug/kg	04/14/2014 1914
Bromoform	ND		50	250	35	ug/kg	04/14/2014 1914
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/14/2014 1914
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/14/2014 1914
Carbon disulfide	ND		50	250	65	ug/kg	04/14/2014 1914
Carbon tetrachloride	ND		50	250	90	ug/kg	04/14/2014 1914
Chlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
Chloroethane	ND		50	250	65	ug/kg	04/14/2014 1914
Chloroform	ND		50	250	42	ug/kg	04/14/2014 1914
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/14/2014 1914
Cyclohexane	ND		50	250	34	ug/kg	04/14/2014 1914
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/14/2014 1914
Dibromochloromethane	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/14/2014 1914
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/14/2014 1914
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/14/2014 1914
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/14/2014 1914
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/14/2014 1914
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/14/2014 1914
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/14/2014 1914
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/14/2014 1914
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/14/2014 1914
Ethylbenzene	ND		50	250	85	ug/kg	04/14/2014 1914
2-Hexanone	ND		50	500	65	ug/kg	04/14/2014 1914
Isopropylbenzene	ND		50	250	12	ug/kg	04/14/2014 1914
Methyl acetate	ND		50	250	49	ug/kg	04/14/2014 1914
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/14/2014 1914
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/14/2014 1914
Methylcyclohexane	ND		50	250	21	ug/kg	04/14/2014 1914
Methylene chloride	ND		50	250	130	ug/kg	04/14/2014 1914
Styrene	ND		50	250	55	ug/kg	04/14/2014 1914
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/14/2014 1914
Toluene	ND		50	250	85	ug/kg	04/14/2014 1914
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/14/2014 1914
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/14/2014 1914
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/14/2014 1914
Trichloroethene	ND		50	250	95	ug/kg	04/14/2014 1914

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44774-001
Batch: 44774
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/14/2014 1914
Vinyl chloride	ND		50	250	43	ug/kg	04/14/2014 1914
Xylenes (total)	ND		50	250	150	ug/kg	04/14/2014 1914

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		87	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		88	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44774-002
Batch: 44774
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3600		50	72	60-140	04/14/2014 1937
Benzene	2500	3000		50	119	69-123	04/14/2014 1937
Bromodichloromethane	2500	3000		50	118	69-121	04/14/2014 1937
Bromoform	2500	2800		50	113	61-119	04/14/2014 1937
Bromomethane (Methyl bromide)	2500	2100		50	85	10-168	04/14/2014 1937
2-Butanone (MEK)	5000	5200		50	104	57-148	04/14/2014 1937
Carbon disulfide	2500	2700		50	107	58-122	04/14/2014 1937
Carbon tetrachloride	2500	3000		50	119	58-136	04/14/2014 1937
Chlorobenzene	2500	2900		50	115	59-129	04/14/2014 1937
Chloroethane	2500	2600		50	105	42-163	04/14/2014 1937
Chloroform	2500	2900		50	116	71-125	04/14/2014 1937
Chloromethane (Methyl chloride)	2500	2500		50	99	34-134	04/14/2014 1937
Cyclohexane	2500	2900		50	117	53-139	04/14/2014 1937
1,2-Dibromo-3-chloropropane (DBCP)	2500	2900		50	114	55-125	04/14/2014 1937
Dibromochloromethane	2500	2800		50	111	66-119	04/14/2014 1937
1,2-Dibromoethane (EDB)	2500	2900		50	115	74-124	04/14/2014 1937
1,4-Dichlorobenzene	2500	2800		50	113	52-133	04/14/2014 1937
1,3-Dichlorobenzene	2500	2900		50	116	51-134	04/14/2014 1937
1,2-Dichlorobenzene	2500	2900		50	114	57-131	04/14/2014 1937
Dichlorodifluoromethane	2500	2200		50	88	10-157	04/14/2014 1937
1,2-Dichloroethane	2500	2900		50	115	67-129	04/14/2014 1937
1,1-Dichloroethane	2500	3000		50	119	71-127	04/14/2014 1937
trans-1,2-Dichloroethene	2500	3000		50	119	68-131	04/14/2014 1937
cis-1,2-Dichloroethene	2500	3000		50	120	70-122	04/14/2014 1937
1,1-Dichloroethene	2500	2900		50	117	69-138	04/14/2014 1937
1,2-Dichloropropane	2500	3000		50	119	72-124	04/14/2014 1937
trans-1,3-Dichloropropene	2500	2900		50	116	70-124	04/14/2014 1937
cis-1,3-Dichloropropene	2500	3100		50	122	70-126	04/14/2014 1937
Ethylbenzene	2500	2900		50	116	59-128	04/14/2014 1937
2-Hexanone	5000	5600		50	112	54-137	04/14/2014 1937
Isopropylbenzene	2500	3000		50	120	50-136	04/14/2014 1937
Methyl acetate	2500	2900		50	116	59-137	04/14/2014 1937
Methyl tertiary butyl ether (MTBE)	2500	3000		50	121	70-130	04/14/2014 1937
4-Methyl-2-pentanone	5000	6000		50	120	60-134	04/14/2014 1937
Methylcyclohexane	2500	3200		50	126	41-144	04/14/2014 1937
Methylene chloride	2500	2700		50	109	70-130	04/14/2014 1937
Styrene	2500	3000		50	118	54-136	04/14/2014 1937
1,1,2,2-Tetrachloroethane	2500	2800		50	114	69-132	04/14/2014 1937
Toluene	2500	2900		50	115	61-129	04/14/2014 1937
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3400		50	136	49-136	04/14/2014 1937
1,2,4-Trichlorobenzene	2500	3000		50	119	34-145	04/14/2014 1937
1,1,2-Trichloroethane	2500	2700		50	108	55-128	04/14/2014 1937
1,1,1-Trichloroethane	2500	2900		50	115	63-128	04/14/2014 1937
Trichloroethene	2500	3000		50	119	62-126	04/14/2014 1937

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44774-002
Batch: 44774
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	2500	2900		50	115	45-138	04/14/2014 1937
Vinyl chloride	2500	2500		50	100	42-132	04/14/2014 1937
Xylenes (total)	5000	5900		50	119	58-128	04/14/2014 1937

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		86	47-138
1,2-Dichloroethane-d4		82	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44774-003
Batch: 44774
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3900		50	78	7.4	60-140	20	04/14/2014 2000
Benzene	2500	2800		50	111	7.2	69-123	20	04/14/2014 2000
Bromodichloromethane	2500	2800		50	111	6.5	69-121	20	04/14/2014 2000
Bromoform	2500	2700		50	108	5.0	61-119	20	04/14/2014 2000
Bromomethane (Methyl bromide)	2500	1900		50	75	13	10-168	20	04/14/2014 2000
2-Butanone (MEK)	5000	5500		50	109	5.5	57-148	20	04/14/2014 2000
Carbon disulfide	2500	2600		50	106	1.5	58-122	20	04/14/2014 2000
Carbon tetrachloride	2500	3000		50	120	0.28	58-136	20	04/14/2014 2000
Chlorobenzene	2500	2800		50	111	3.8	59-129	20	04/14/2014 2000
Chloroethane	2500	2600		50	103	2.7	42-163	20	04/14/2014 2000
Chloroform	2500	2900		50	117	0.77	71-125	20	04/14/2014 2000
Chloromethane (Methyl chloride)	2500	2400		50	98	1.3	34-134	20	04/14/2014 2000
Cyclohexane	2500	2900		50	116	1.1	53-139	20	04/14/2014 2000
1,2-Dibromo-3-chloropropane (DBCP)	2500	2800		50	112	2.0	55-125	20	04/14/2014 2000
Dibromochloromethane	2500	2700		50	108	2.6	66-119	20	04/14/2014 2000
1,2-Dibromoethane (EDB)	2500	2800		50	112	2.5	74-124	20	04/14/2014 2000
1,4-Dichlorobenzene	2500	2800		50	111	1.9	52-133	20	04/14/2014 2000
1,3-Dichlorobenzene	2500	2700		50	108	6.8	51-134	20	04/14/2014 2000
1,2-Dichlorobenzene	2500	2800		50	112	2.0	57-131	20	04/14/2014 2000
Dichlorodifluoromethane	2500	2300		50	91	3.3	10-157	20	04/14/2014 2000
1,2-Dichloroethane	2500	2900		50	115	0.37	67-129	20	04/14/2014 2000
1,1-Dichloroethane	2500	3000		50	118	0.86	71-127	20	04/14/2014 2000
trans-1,2-Dichloroethene	2500	3000		50	121	1.5	68-131	20	04/14/2014 2000
cis-1,2-Dichloroethene	2500	3000		50	120	0.57	70-122	20	04/14/2014 2000
1,1-Dichloroethene	2500	2900		50	116	1.2	69-138	20	04/14/2014 2000
1,2-Dichloropropane	2500	2800		50	114	4.8	72-124	20	04/14/2014 2000
trans-1,3-Dichloropropene	2500	2900		50	114	2.0	70-124	20	04/14/2014 2000
cis-1,3-Dichloropropene	2500	2900		50	114	6.7	70-126	20	04/14/2014 2000
Ethylbenzene	2500	2800		50	111	4.7	59-128	20	04/14/2014 2000
2-Hexanone	5000	5700		50	114	1.8	54-137	20	04/14/2014 2000
Isopropylbenzene	2500	2900		50	117	3.0	50-136	20	04/14/2014 2000
Methyl acetate	2500	3100		50	125	7.4	59-137	20	04/14/2014 2000
Methyl tertiary butyl ether (MTBE)	2500	3100		50	126	4.0	70-130	20	04/14/2014 2000
4-Methyl-2-pentanone	5000	5700		50	114	5.1	60-134	20	04/14/2014 2000
Methylcyclohexane	2500	3000		50	120	5.4	41-144	20	04/14/2014 2000
Methylene chloride	2500	2800		50	111	1.8	70-130	20	04/14/2014 2000
Styrene	2500	2800		50	113	4.4	54-136	20	04/14/2014 2000
1,1,2,2-Tetrachloroethane	2500	2800		50	110	3.0	69-132	20	04/14/2014 2000
Toluene	2500	2700		50	109	4.7	61-129	20	04/14/2014 2000
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3400	N	50	138	0.98	49-136	20	04/14/2014 2000
1,2,4-Trichlorobenzene	2500	2900		50	116	2.2	34-145	20	04/14/2014 2000
1,1,2-Trichloroethane	2500	2600		50	104	3.1	55-128	20	04/14/2014 2000
1,1,1-Trichloroethane	2500	3000		50	118	2.2	63-128	20	04/14/2014 2000
Trichloroethene	2500	2800		50	112	5.8	62-126	20	04/14/2014 2000

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44774-003
Batch: 44774
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichlorofluoromethane	2500	2900		50	115	0.35	45-138	20	04/14/2014 2000
Vinyl chloride	2500	2600		50	103	2.3	42-132	20	04/14/2014 2000
Xylenes (total)	5000	5600		50	112	5.7	58-128	20	04/14/2014 2000

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		84	47-138
1,2-Dichloroethane-d4		81	53-142
Toluene-d8		85	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44795-001
Batch: 44795
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/14/2014 1914
Benzene	ND		50	250	55	ug/kg	04/14/2014 1914
Bromodichloromethane	ND		50	250	85	ug/kg	04/14/2014 1914
Bromoform	ND		50	250	35	ug/kg	04/14/2014 1914
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/14/2014 1914
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/14/2014 1914
Carbon disulfide	ND		50	250	65	ug/kg	04/14/2014 1914
Carbon tetrachloride	ND		50	250	90	ug/kg	04/14/2014 1914
Chlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
Chloroethane	ND		50	250	65	ug/kg	04/14/2014 1914
Chloroform	ND		50	250	42	ug/kg	04/14/2014 1914
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/14/2014 1914
Cyclohexane	ND		50	250	34	ug/kg	04/14/2014 1914
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/14/2014 1914
Dibromochloromethane	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/14/2014 1914
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/14/2014 1914
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/14/2014 1914
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/14/2014 1914
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/14/2014 1914
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/14/2014 1914
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/14/2014 1914
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/14/2014 1914
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/14/2014 1914
Ethylbenzene	ND		50	250	85	ug/kg	04/14/2014 1914
2-Hexanone	ND		50	500	65	ug/kg	04/14/2014 1914
Isopropylbenzene	ND		50	250	12	ug/kg	04/14/2014 1914
Methyl acetate	ND		50	250	49	ug/kg	04/14/2014 1914
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/14/2014 1914
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/14/2014 1914
Methylcyclohexane	ND		50	250	21	ug/kg	04/14/2014 1914
Methylene chloride	ND		50	250	130	ug/kg	04/14/2014 1914
Styrene	ND		50	250	55	ug/kg	04/14/2014 1914
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/14/2014 1914
Tetrachloroethene	ND		50	250	25	ug/kg	04/14/2014 1914
Toluene	ND		50	250	85	ug/kg	04/14/2014 1914
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/14/2014 1914
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/14/2014 1914
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/14/2014 1914

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44795-001
Batch: 44795
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/14/2014 1914
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/14/2014 1914
Vinyl chloride	ND		50	250	43	ug/kg	04/14/2014 1914
Xylenes (total)	ND		50	250	150	ug/kg	04/14/2014 1914

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		87	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		88	68-124

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44795-002
Batch: 44795
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3600		50	72	60-140	04/14/2014 1937
Benzene	2500	3000		50	119	69-123	04/14/2014 1937
Bromodichloromethane	2500	3000		50	118	69-121	04/14/2014 1937
Bromoform	2500	2800		50	113	61-119	04/14/2014 1937
Bromomethane (Methyl bromide)	2500	2100		50	85	10-168	04/14/2014 1937
2-Butanone (MEK)	5000	5200		50	104	57-148	04/14/2014 1937
Carbon disulfide	2500	2700		50	107	58-122	04/14/2014 1937
Carbon tetrachloride	2500	3000		50	119	58-136	04/14/2014 1937
Chlorobenzene	2500	2900		50	115	59-129	04/14/2014 1937
Chloroethane	2500	2600		50	105	42-163	04/14/2014 1937
Chloroform	2500	2900		50	116	71-125	04/14/2014 1937
Chloromethane (Methyl chloride)	2500	2500		50	99	34-134	04/14/2014 1937
Cyclohexane	2500	2900		50	117	53-139	04/14/2014 1937
1,2-Dibromo-3-chloropropane (DBCP)	2500	2900		50	114	55-125	04/14/2014 1937
Dibromochloromethane	2500	2800		50	111	66-119	04/14/2014 1937
1,2-Dibromoethane (EDB)	2500	2900		50	115	74-124	04/14/2014 1937
1,4-Dichlorobenzene	2500	2800		50	113	52-133	04/14/2014 1937
1,3-Dichlorobenzene	2500	2900		50	116	51-134	04/14/2014 1937
1,2-Dichlorobenzene	2500	2900		50	114	57-131	04/14/2014 1937
Dichlorodifluoromethane	2500	2200		50	88	10-157	04/14/2014 1937
1,2-Dichloroethane	2500	2900		50	115	67-129	04/14/2014 1937
1,1-Dichloroethane	2500	3000		50	119	71-127	04/14/2014 1937
trans-1,2-Dichloroethene	2500	3000		50	119	68-131	04/14/2014 1937
cis-1,2-Dichloroethene	2500	3000		50	120	70-122	04/14/2014 1937
1,1-Dichloroethene	2500	2900		50	117	69-138	04/14/2014 1937
1,2-Dichloropropane	2500	3000		50	119	72-124	04/14/2014 1937
trans-1,3-Dichloropropene	2500	2900		50	116	70-124	04/14/2014 1937
cis-1,3-Dichloropropene	2500	3100		50	122	70-126	04/14/2014 1937
Ethylbenzene	2500	2900		50	116	59-128	04/14/2014 1937
2-Hexanone	5000	5600		50	112	54-137	04/14/2014 1937
Isopropylbenzene	2500	3000		50	120	50-136	04/14/2014 1937
Methyl acetate	2500	2900		50	116	59-137	04/14/2014 1937
Methyl tertiary butyl ether (MTBE)	2500	3000		50	121	70-130	04/14/2014 1937
4-Methyl-2-pentanone	5000	6000		50	120	60-134	04/14/2014 1937
Methylcyclohexane	2500	3200		50	126	41-144	04/14/2014 1937
Methylene chloride	2500	2700		50	109	70-130	04/14/2014 1937
Styrene	2500	3000		50	118	54-136	04/14/2014 1937
1,1,2,2-Tetrachloroethane	2500	2800		50	114	69-132	04/14/2014 1937
Tetrachloroethene	2500	2900		50	115	45-150	04/14/2014 1937
Toluene	2500	2900		50	115	61-129	04/14/2014 1937
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3400		50	136	49-136	04/14/2014 1937
1,2,4-Trichlorobenzene	2500	3000		50	119	34-145	04/14/2014 1937
1,1,2-Trichloroethane	2500	2700		50	108	55-128	04/14/2014 1937
1,1,1-Trichloroethane	2500	2900		50	115	63-128	04/14/2014 1937

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44795-002
Batch: 44795
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	3000		50	119	62-126	04/14/2014 1937
Trichlorofluoromethane	2500	2900		50	115	45-138	04/14/2014 1937
Vinyl chloride	2500	2500		50	100	42-132	04/14/2014 1937
Xylenes (total)	5000	5900		50	119	58-128	04/14/2014 1937

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		86	47-138
1,2-Dichloroethane-d4		82	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44795-003
Batch: 44795
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	3900		50	78	7.4	60-140	20	04/14/2014 2000
Benzene	2500	2800		50	111	7.2	69-123	20	04/14/2014 2000
Bromodichloromethane	2500	2800		50	111	6.5	69-121	20	04/14/2014 2000
Bromoform	2500	2700		50	108	5.0	61-119	20	04/14/2014 2000
Bromomethane (Methyl bromide)	2500	1900		50	75	13	10-168	20	04/14/2014 2000
2-Butanone (MEK)	5000	5500		50	109	5.5	57-148	20	04/14/2014 2000
Carbon disulfide	2500	2600		50	106	1.5	58-122	20	04/14/2014 2000
Carbon tetrachloride	2500	3000		50	120	0.28	58-136	20	04/14/2014 2000
Chlorobenzene	2500	2800		50	111	3.8	59-129	20	04/14/2014 2000
Chloroethane	2500	2600		50	103	2.7	42-163	20	04/14/2014 2000
Chloroform	2500	2900		50	117	0.77	71-125	20	04/14/2014 2000
Chloromethane (Methyl chloride)	2500	2400		50	98	1.3	34-134	20	04/14/2014 2000
Cyclohexane	2500	2900		50	116	1.1	53-139	20	04/14/2014 2000
1,2-Dibromo-3-chloropropane (DBCP)	2500	2800		50	112	2.0	55-125	20	04/14/2014 2000
Dibromochloromethane	2500	2700		50	108	2.6	66-119	20	04/14/2014 2000
1,2-Dibromoethane (EDB)	2500	2800		50	112	2.5	74-124	20	04/14/2014 2000
1,4-Dichlorobenzene	2500	2800		50	111	1.9	52-133	20	04/14/2014 2000
1,3-Dichlorobenzene	2500	2700		50	108	6.8	51-134	20	04/14/2014 2000
1,2-Dichlorobenzene	2500	2800		50	112	2.0	57-131	20	04/14/2014 2000
Dichlorodifluoromethane	2500	2300		50	91	3.3	10-157	20	04/14/2014 2000
1,2-Dichloroethane	2500	2900		50	115	0.37	67-129	20	04/14/2014 2000
1,1-Dichloroethane	2500	3000		50	118	0.86	71-127	20	04/14/2014 2000
trans-1,2-Dichloroethene	2500	3000		50	121	1.5	68-131	20	04/14/2014 2000
cis-1,2-Dichloroethene	2500	3000		50	120	0.57	70-122	20	04/14/2014 2000
1,1-Dichloroethene	2500	2900		50	116	1.2	69-138	20	04/14/2014 2000
1,2-Dichloropropane	2500	2800		50	114	4.8	72-124	20	04/14/2014 2000
trans-1,3-Dichloropropene	2500	2900		50	114	2.0	70-124	20	04/14/2014 2000
cis-1,3-Dichloropropene	2500	2900		50	114	6.7	70-126	20	04/14/2014 2000
Ethylbenzene	2500	2800		50	111	4.7	59-128	20	04/14/2014 2000
2-Hexanone	5000	5700		50	114	1.8	54-137	20	04/14/2014 2000
Isopropylbenzene	2500	2900		50	117	3.0	50-136	20	04/14/2014 2000
Methyl acetate	2500	3100		50	125	7.4	59-137	20	04/14/2014 2000
Methyl tertiary butyl ether (MTBE)	2500	3100		50	126	4.0	70-130	20	04/14/2014 2000
4-Methyl-2-pentanone	5000	5700		50	114	5.1	60-134	20	04/14/2014 2000
Methylcyclohexane	2500	3000		50	120	5.4	41-144	20	04/14/2014 2000
Methylene chloride	2500	2800		50	111	1.8	70-130	20	04/14/2014 2000
Styrene	2500	2800		50	113	4.4	54-136	20	04/14/2014 2000
1,1,2,2-Tetrachloroethane	2500	2800		50	110	3.0	69-132	20	04/14/2014 2000
Tetrachloroethene	2500	2800		50	111	3.6	45-150	20	04/14/2014 2000
Toluene	2500	2700		50	109	4.7	61-129	20	04/14/2014 2000
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3400	N	50	138	0.98	49-136	20	04/14/2014 2000
1,2,4-Trichlorobenzene	2500	2900		50	116	2.2	34-145	20	04/14/2014 2000
1,1,2-Trichloroethane	2500	2600		50	104	3.1	55-128	20	04/14/2014 2000
1,1,1-Trichloroethane	2500	3000		50	118	2.2	63-128	20	04/14/2014 2000

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44795-003
Batch: 44795
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2800		50	112	5.8	62-126	20	04/14/2014 2000
Trichlorofluoromethane	2500	2900		50	115	0.35	45-138	20	04/14/2014 2000
Vinyl chloride	2500	2600		50	103	2.3	42-132	20	04/14/2014 2000
Xylenes (total)	5000	5600		50	112	5.7	58-128	20	04/14/2014 2000

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		84	47-138
1,2-Dichloroethane-d4		81	53-142
Toluene-d8		85	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44855-001
Batch: 44855
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	04/15/2014 1622
Benzene	ND		1	5.0	1.1	ug/kg	04/15/2014 1622
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
Bromoform	ND		1	5.0	0.70	ug/kg	04/15/2014 1622
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	04/15/2014 1622
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	04/15/2014 1622
Carbon disulfide	ND		1	5.0	1.3	ug/kg	04/15/2014 1622
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	04/15/2014 1622
Chlorobenzene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
Chloroethane	ND		1	5.0	1.3	ug/kg	04/15/2014 1622
Chloroform	ND		1	5.0	0.83	ug/kg	04/15/2014 1622
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	04/15/2014 1622
Cyclohexane	ND		1	5.0	0.67	ug/kg	04/15/2014 1622
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	04/15/2014 1622
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	04/15/2014 1622
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	04/15/2014 1622
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	04/15/2014 1622
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	04/15/2014 1622
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	04/15/2014 1622
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	04/15/2014 1622
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	04/15/2014 1622
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	04/15/2014 1622
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	04/15/2014 1622
Ethylbenzene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
2-Hexanone	ND		1	10	1.3	ug/kg	04/15/2014 1622
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	04/15/2014 1622
Methyl acetate	ND		1	5.0	0.98	ug/kg	04/15/2014 1622
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	04/15/2014 1622
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	04/15/2014 1622
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	04/15/2014 1622
Methylene chloride	ND		1	5.0	2.6	ug/kg	04/15/2014 1622
Styrene	ND		1	5.0	1.1	ug/kg	04/15/2014 1622
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	04/15/2014 1622
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	04/15/2014 1622
Toluene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	04/15/2014 1622
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	04/15/2014 1622
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	04/15/2014 1622
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	04/15/2014 1622

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44855-001
Batch: 44855
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	04/15/2014 1622
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	04/15/2014 1622
Vinyl chloride	ND		1	5.0	0.86	ug/kg	04/15/2014 1622
Xylenes (total)	ND		1	5.0	2.9	ug/kg	04/15/2014 1622

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44855-002
Batch: 44855
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	65		1	65	60-140	04/15/2014 1350
Benzene	50	40		1	81	69-123	04/15/2014 1350
Bromodichloromethane	50	38		1	77	69-121	04/15/2014 1350
Bromoform	50	42		1	83	61-119	04/15/2014 1350
Bromomethane (Methyl bromide)	50	42		1	84	10-168	04/15/2014 1350
2-Butanone (MEK)	100	84		1	84	57-148	04/15/2014 1350
Carbon disulfide	50	40		1	80	58-122	04/15/2014 1350
Carbon tetrachloride	50	39		1	78	58-136	04/15/2014 1350
Chlorobenzene	50	37		1	75	59-129	04/15/2014 1350
Chloroethane	50	43		1	86	42-163	04/15/2014 1350
Chloroform	50	39		1	78	71-125	04/15/2014 1350
Chloromethane (Methyl chloride)	50	50		1	99	34-134	04/15/2014 1350
Cyclohexane	50	41		1	83	53-139	04/15/2014 1350
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	85	55-125	04/15/2014 1350
Dibromochloromethane	50	40		1	80	66-119	04/15/2014 1350
1,2-Dibromoethane (EDB)	50	41		1	81	74-124	04/15/2014 1350
1,2-Dichlorobenzene	50	37		1	74	57-131	04/15/2014 1350
1,4-Dichlorobenzene	50	37		1	74	52-133	04/15/2014 1350
1,3-Dichlorobenzene	50	37		1	74	51-134	04/15/2014 1350
Dichlorodifluoromethane	50	53		1	107	10-157	04/15/2014 1350
1,2-Dichloroethane	50	40		1	81	67-129	04/15/2014 1350
1,1-Dichloroethane	50	40		1	79	71-127	04/15/2014 1350
1,1-Dichloroethene	50	40		1	80	69-138	04/15/2014 1350
cis-1,2-Dichloroethene	50	40		1	80	70-122	04/15/2014 1350
trans-1,2-Dichloroethene	50	39		1	79	68-131	04/15/2014 1350
1,2-Dichloropropane	50	39		1	78	72-124	04/15/2014 1350
trans-1,3-Dichloropropene	50	39		1	78	70-124	04/15/2014 1350
cis-1,3-Dichloropropene	50	41		1	81	70-126	04/15/2014 1350
Ethylbenzene	50	39		1	78	59-128	04/15/2014 1350
2-Hexanone	100	83		1	83	54-137	04/15/2014 1350
Isopropylbenzene	50	38		1	76	50-136	04/15/2014 1350
Methyl acetate	50	50		1	100	59-137	04/15/2014 1350
Methyl tertiary butyl ether (MTBE)	50	42		1	85	70-130	04/15/2014 1350
4-Methyl-2-pentanone	100	91		1	91	60-134	04/15/2014 1350
Methylcyclohexane	50	41		1	83	41-144	04/15/2014 1350
Methylene chloride	50	39		1	79	70-130	04/15/2014 1350
Styrene	50	38		1	77	54-136	04/15/2014 1350
1,1,2,2-Tetrachloroethane	50	42		1	83	69-132	04/15/2014 1350
Tetrachloroethene	50	37		1	74	45-150	04/15/2014 1350
Toluene	50	38		1	76	61-129	04/15/2014 1350
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	97	49-136	04/15/2014 1350
1,2,4-Trichlorobenzene	50	39		1	78	34-145	04/15/2014 1350
1,1,1-Trichloroethane	50	39		1	77	63-128	04/15/2014 1350
1,1,2-Trichloroethane	50	40		1	80	55-128	04/15/2014 1350

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44855-002
Batch: 44855
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	39		1	78	62-126	04/15/2014 1350
Trichlorofluoromethane	50	42		1	83	45-138	04/15/2014 1350
Vinyl chloride	50	43		1	87	42-132	04/15/2014 1350
Xylenes (total)	100	77		1	77	58-128	04/15/2014 1350

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		109	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44855-003
Batch: 44855
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	60		1	60	8.0	60-140	20	04/15/2014 1414
Benzene	50	42		1	83	2.9	69-123	20	04/15/2014 1414
Bromodichloromethane	50	41		1	83	7.6	69-121	20	04/15/2014 1414
Bromoform	50	41		1	81	2.4	61-119	20	04/15/2014 1414
Bromomethane (Methyl bromide)	50	43		1	87	3.6	10-168	20	04/15/2014 1414
2-Butanone (MEK)	100	77		1	77	8.4	57-148	20	04/15/2014 1414
Carbon disulfide	50	43		1	86	6.6	58-122	20	04/15/2014 1414
Carbon tetrachloride	50	43		1	86	9.8	58-136	20	04/15/2014 1414
Chlorobenzene	50	39		1	79	5.2	59-129	20	04/15/2014 1414
Chloroethane	50	46		1	91	5.5	42-163	20	04/15/2014 1414
Chloroform	50	41		1	81	4.2	71-125	20	04/15/2014 1414
Chloromethane (Methyl chloride)	50	52		1	104	4.8	34-134	20	04/15/2014 1414
Cyclohexane	50	45		1	90	8.5	53-139	20	04/15/2014 1414
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	81	4.1	55-125	20	04/15/2014 1414
Dibromochloromethane	50	39		1	79	1.3	66-119	20	04/15/2014 1414
1,2-Dibromoethane (EDB)	50	40		1	81	0.79	74-124	20	04/15/2014 1414
1,2-Dichlorobenzene	50	39		1	77	4.4	57-131	20	04/15/2014 1414
1,4-Dichlorobenzene	50	38		1	76	2.9	52-133	20	04/15/2014 1414
1,3-Dichlorobenzene	50	40		1	79	6.0	51-134	20	04/15/2014 1414
Dichlorodifluoromethane	50	56		1	113	5.6	10-157	20	04/15/2014 1414
1,2-Dichloroethane	50	41		1	82	1.7	67-129	20	04/15/2014 1414
1,1-Dichloroethane	50	42		1	84	5.2	71-127	20	04/15/2014 1414
1,1-Dichloroethene	50	44		1	88	9.9	69-138	20	04/15/2014 1414
cis-1,2-Dichloroethene	50	41		1	82	1.7	70-122	20	04/15/2014 1414
trans-1,2-Dichloroethene	50	43		1	86	8.8	68-131	20	04/15/2014 1414
1,2-Dichloropropane	50	41		1	81	3.5	72-124	20	04/15/2014 1414
trans-1,3-Dichloropropene	50	41		1	81	4.0	70-124	20	04/15/2014 1414
cis-1,3-Dichloropropene	50	42		1	83	2.1	70-126	20	04/15/2014 1414
Ethylbenzene	50	42		1	83	6.6	59-128	20	04/15/2014 1414
2-Hexanone	100	82		1	82	1.2	54-137	20	04/15/2014 1414
Isopropylbenzene	50	41		1	81	6.4	50-136	20	04/15/2014 1414
Methyl acetate	50	46		1	93	7.1	59-137	20	04/15/2014 1414
Methyl tertiary butyl ether (MTBE)	50	42		1	83	1.5	70-130	20	04/15/2014 1414
4-Methyl-2-pentanone	100	88		1	88	3.1	60-134	20	04/15/2014 1414
Methylcyclohexane	50	45		1	91	9.0	41-144	20	04/15/2014 1414
Methylene chloride	50	41		1	81	3.6	70-130	20	04/15/2014 1414
Styrene	50	41		1	82	6.3	54-136	20	04/15/2014 1414
1,1,2,2-Tetrachloroethane	50	41		1	82	2.0	69-132	20	04/15/2014 1414
Tetrachloroethene	50	40		1	80	7.7	45-150	20	04/15/2014 1414
Toluene	50	41		1	82	8.5	61-129	20	04/15/2014 1414
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	105	7.9	49-136	20	04/15/2014 1414
1,2,4-Trichlorobenzene	50	40		1	80	1.4	34-145	20	04/15/2014 1414
1,1,1-Trichloroethane	50	41		1	83	6.7	63-128	20	04/15/2014 1414
1,1,2-Trichloroethane	50	40		1	79	1.6	55-128	20	04/15/2014 1414

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44855-003
Batch: 44855
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	43		1	86	9.9	62-126	20	04/15/2014 1414
Trichlorofluoromethane	50	46		1	92	10	45-138	20	04/15/2014 1414
Vinyl chloride	50	47		1	93	7.0	42-132	20	04/15/2014 1414
Xylenes (total)	100	82		1	82	5.6	58-128	20	04/15/2014 1414

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44878-001
Batch: 44878
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		50	1000	340	ug/kg	04/14/2014 1914
Benzene	ND		50	250	55	ug/kg	04/14/2014 1914
Bromodichloromethane	ND		50	250	85	ug/kg	04/14/2014 1914
Bromoform	ND		50	250	35	ug/kg	04/14/2014 1914
Bromomethane (Methyl bromide)	ND		50	250	90	ug/kg	04/14/2014 1914
2-Butanone (MEK)	ND		50	500	120	ug/kg	04/14/2014 1914
Carbon disulfide	ND		50	250	65	ug/kg	04/14/2014 1914
Carbon tetrachloride	ND		50	250	90	ug/kg	04/14/2014 1914
Chlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
Chloroethane	ND		50	250	65	ug/kg	04/14/2014 1914
Chloroform	ND		50	250	42	ug/kg	04/14/2014 1914
Chloromethane (Methyl chloride)	ND		50	250	50	ug/kg	04/14/2014 1914
Cyclohexane	ND		50	250	34	ug/kg	04/14/2014 1914
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	250	75	ug/kg	04/14/2014 1914
Dibromochloromethane	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dibromoethane (EDB)	ND		50	250	43	ug/kg	04/14/2014 1914
1,4-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,3-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
Dichlorodifluoromethane	ND		50	250	80	ug/kg	04/14/2014 1914
1,2-Dichloroethane	ND		50	250	50	ug/kg	04/14/2014 1914
1,1-Dichloroethane	ND		50	250	37	ug/kg	04/14/2014 1914
trans-1,2-Dichloroethene	ND		50	250	75	ug/kg	04/14/2014 1914
cis-1,2-Dichloroethene	ND		50	250	38	ug/kg	04/14/2014 1914
1,1-Dichloroethene	ND		50	250	85	ug/kg	04/14/2014 1914
1,2-Dichloropropane	ND		50	250	46	ug/kg	04/14/2014 1914
trans-1,3-Dichloropropene	ND		50	250	41	ug/kg	04/14/2014 1914
cis-1,3-Dichloropropene	ND		50	250	34	ug/kg	04/14/2014 1914
Ethylbenzene	ND		50	250	85	ug/kg	04/14/2014 1914
2-Hexanone	ND		50	500	65	ug/kg	04/14/2014 1914
Isopropylbenzene	ND		50	250	12	ug/kg	04/14/2014 1914
Methyl acetate	ND		50	250	49	ug/kg	04/14/2014 1914
Methyl tertiary butyl ether (MTBE)	ND		50	250	20	ug/kg	04/14/2014 1914
4-Methyl-2-pentanone	ND		50	500	75	ug/kg	04/14/2014 1914
Methylcyclohexane	ND		50	250	21	ug/kg	04/14/2014 1914
Methylene chloride	ND		50	250	130	ug/kg	04/14/2014 1914
Styrene	ND		50	250	55	ug/kg	04/14/2014 1914
1,1,2,2-Tetrachloroethane	ND		50	250	24	ug/kg	04/14/2014 1914
Tetrachloroethene	ND		50	250	25	ug/kg	04/14/2014 1914
Toluene	ND		50	250	85	ug/kg	04/14/2014 1914
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		50	250	32	ug/kg	04/14/2014 1914
1,2,4-Trichlorobenzene	ND		50	250	85	ug/kg	04/14/2014 1914
1,1,2-Trichloroethane	ND		50	250	40	ug/kg	04/14/2014 1914
1,1,1-Trichloroethane	ND		50	250	43	ug/kg	04/14/2014 1914

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ44878-001
Batch: 44878
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		50	250	95	ug/kg	04/14/2014 1914
Trichlorofluoromethane	ND		50	250	75	ug/kg	04/14/2014 1914
Vinyl chloride	ND		50	250	43	ug/kg	04/14/2014 1914
Xylenes (total)	ND		50	250	150	ug/kg	04/14/2014 1914

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		87	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		88	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44878-002
Batch: 44878
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	5000	3600		50	72	60-140	04/14/2014 1937
Benzene	2500	3000		50	119	69-123	04/14/2014 1937
Bromodichloromethane	2500	3000		50	118	69-121	04/14/2014 1937
Bromoform	2500	2800		50	113	61-119	04/14/2014 1937
Bromomethane (Methyl bromide)	2500	2100		50	85	10-168	04/14/2014 1937
2-Butanone (MEK)	5000	5200		50	104	57-148	04/14/2014 1937
Carbon disulfide	2500	2700		50	107	58-122	04/14/2014 1937
Carbon tetrachloride	2500	3000		50	119	58-136	04/14/2014 1937
Chlorobenzene	2500	2900		50	115	59-129	04/14/2014 1937
Chloroethane	2500	2600		50	105	42-163	04/14/2014 1937
Chloroform	2500	2900		50	116	71-125	04/14/2014 1937
Chloromethane (Methyl chloride)	2500	2500		50	99	34-134	04/14/2014 1937
Cyclohexane	2500	2900		50	117	53-139	04/14/2014 1937
1,2-Dibromo-3-chloropropane (DBCP)	2500	2900		50	114	55-125	04/14/2014 1937
Dibromochloromethane	2500	2800		50	111	66-119	04/14/2014 1937
1,2-Dibromoethane (EDB)	2500	2900		50	115	74-124	04/14/2014 1937
1,4-Dichlorobenzene	2500	2800		50	113	52-133	04/14/2014 1937
1,3-Dichlorobenzene	2500	2900		50	116	51-134	04/14/2014 1937
1,2-Dichlorobenzene	2500	2900		50	114	57-131	04/14/2014 1937
Dichlorodifluoromethane	2500	2200		50	88	10-157	04/14/2014 1937
1,2-Dichloroethane	2500	2900		50	115	67-129	04/14/2014 1937
1,1-Dichloroethane	2500	3000		50	119	71-127	04/14/2014 1937
trans-1,2-Dichloroethene	2500	3000		50	119	68-131	04/14/2014 1937
cis-1,2-Dichloroethene	2500	3000		50	120	70-122	04/14/2014 1937
1,1-Dichloroethene	2500	2900		50	117	69-138	04/14/2014 1937
1,2-Dichloropropane	2500	3000		50	119	72-124	04/14/2014 1937
trans-1,3-Dichloropropene	2500	2900		50	116	70-124	04/14/2014 1937
cis-1,3-Dichloropropene	2500	3100		50	122	70-126	04/14/2014 1937
Ethylbenzene	2500	2900		50	116	59-128	04/14/2014 1937
2-Hexanone	5000	5600		50	112	54-137	04/14/2014 1937
Isopropylbenzene	2500	3000		50	120	50-136	04/14/2014 1937
Methyl acetate	2500	2900		50	116	59-137	04/14/2014 1937
Methyl tertiary butyl ether (MTBE)	2500	3000		50	121	70-130	04/14/2014 1937
4-Methyl-2-pentanone	5000	6000		50	120	60-134	04/14/2014 1937
Methylcyclohexane	2500	3200		50	126	41-144	04/14/2014 1937
Methylene chloride	2500	2700		50	109	70-130	04/14/2014 1937
Styrene	2500	3000		50	118	54-136	04/14/2014 1937
1,1,2,2-Tetrachloroethane	2500	2800		50	114	69-132	04/14/2014 1937
Tetrachloroethene	2500	2900		50	115	45-150	04/14/2014 1937
Toluene	2500	2900		50	115	61-129	04/14/2014 1937
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3400		50	136	49-136	04/14/2014 1937
1,2,4-Trichlorobenzene	2500	3000		50	119	34-145	04/14/2014 1937
1,1,2-Trichloroethane	2500	2700		50	108	55-128	04/14/2014 1937
1,1,1-Trichloroethane	2500	2900		50	115	63-128	04/14/2014 1937

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44878-002
Batch: 44878
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	2500	3000		50	119	62-126	04/14/2014 1937
Trichlorofluoromethane	2500	2900		50	115	45-138	04/14/2014 1937
Vinyl chloride	2500	2500		50	100	42-132	04/14/2014 1937
Xylenes (total)	5000	5900		50	119	58-128	04/14/2014 1937

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		86	47-138
1,2-Dichloroethane-d4		82	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44878-003
Batch: 44878
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	5000	5000	+	50	99	32	60-140	20	04/16/2014 1247
Benzene	2500	2800		50	112	5.8	69-123	20	04/16/2014 1247
Bromodichloromethane	2500	2800		50	112	5.1	69-121	20	04/16/2014 1247
Bromoform	2500	2700		50	106	6.4	61-119	20	04/16/2014 1247
Bromomethane (Methyl bromide)	2500	2300		50	93	9.6	10-168	20	04/16/2014 1247
2-Butanone (MEK)	5000	3900	+	50	77	29	57-148	20	04/16/2014 1247
Carbon disulfide	2500	2600		50	102	5.0	58-122	20	04/16/2014 1247
Carbon tetrachloride	2500	2800		50	111	7.4	58-136	20	04/16/2014 1247
Chlorobenzene	2500	2500		50	100	15	59-129	20	04/16/2014 1247
Chloroethane	2500	2900		50	116	9.8	42-163	20	04/16/2014 1247
Chloroform	2500	2800		50	113	2.3	71-125	20	04/16/2014 1247
Chloromethane (Methyl chloride)	2500	2600		50	104	5.3	34-134	20	04/16/2014 1247
Cyclohexane	2500	2800		50	111	5.2	53-139	20	04/16/2014 1247
1,2-Dibromo-3-chloropropane (DBCP)	2500	2800		50	113	1.3	55-125	20	04/16/2014 1247
Dibromochloromethane	2500	2700		50	110	1.5	66-119	20	04/16/2014 1247
1,2-Dibromoethane (EDB)	2500	2700		50	107	6.8	74-124	20	04/16/2014 1247
1,4-Dichlorobenzene	2500	2100	+	50	83	31	52-133	20	04/16/2014 1247
1,3-Dichlorobenzene	2500	2100	+	50	85	31	51-134	20	04/16/2014 1247
1,2-Dichlorobenzene	2500	2300	+	50	92	21	57-131	20	04/16/2014 1247
Dichlorodifluoromethane	2500	2400		50	95	7.7	10-157	20	04/16/2014 1247
1,2-Dichloroethane	2500	2800		50	112	3.0	67-129	20	04/16/2014 1247
1,1-Dichloroethane	2500	2900		50	114	4.2	71-127	20	04/16/2014 1247
trans-1,2-Dichloroethene	2500	2800		50	111	7.5	68-131	20	04/16/2014 1247
cis-1,2-Dichloroethene	2500	2700		50	109	9.3	70-122	20	04/16/2014 1247
1,1-Dichloroethene	2500	2800		50	112	3.9	69-138	20	04/16/2014 1247
1,2-Dichloropropane	2500	2800		50	113	5.5	72-124	20	04/16/2014 1247
trans-1,3-Dichloropropene	2500	2600		50	106	9.4	70-124	20	04/16/2014 1247
cis-1,3-Dichloropropene	2500	2700		50	107	13	70-126	20	04/16/2014 1247
Ethylbenzene	2500	2500		50	99	16	59-128	20	04/16/2014 1247
2-Hexanone	5000	5200		50	103	8.0	54-137	20	04/16/2014 1247
Isopropylbenzene	2500	2700		50	107	11	50-136	20	04/16/2014 1247
Methyl acetate	2500	3300		50	130	12	59-137	20	04/16/2014 1247
Methyl tertiary butyl ether (MTBE)	2500	2900		50	114	5.7	70-130	20	04/16/2014 1247
4-Methyl-2-pentanone	5000	5700		50	114	5.0	60-134	20	04/16/2014 1247
Methylcyclohexane	2500	2600		50	104	20	41-144	20	04/16/2014 1247
Methylene chloride	2500	2700		50	110	1.1	70-130	20	04/16/2014 1247
Styrene	2500	2400		50	98	19	54-136	20	04/16/2014 1247
1,1,2,2-Tetrachloroethane	2500	2800		50	112	1.6	69-132	20	04/16/2014 1247
Tetrachloroethene	2500	2200	+	50	89	25	45-150	20	04/16/2014 1247
Toluene	2500	2700		50	108	6.2	61-129	20	04/16/2014 1247
1,1,2-Trichloro-1,2,2-Trifluoroethane	2500	3100		50	122	11	49-136	20	04/16/2014 1247
1,2,4-Trichlorobenzene	2500	1600	+	50	66	57	34-145	20	04/16/2014 1247
1,1,2-Trichloroethane	2500	2700		50	107	0.96	55-128	20	04/16/2014 1247
1,1,1-Trichloroethane	2500	2700		50	109	5.6	63-128	20	04/16/2014 1247

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ44878-003
Batch: 44878
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	2500	2700		50	107	10	62-126	20	04/16/2014 1247
Trichlorofluoromethane	2500	2800		50	111	3.8	45-138	20	04/16/2014 1247
Vinyl chloride	2500	2700		50	106	5.7	42-132	20	04/16/2014 1247
Xylenes (total)	5000	5000		50	99	18	58-128	20	04/16/2014 1247

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		66	47-138
1,2-Dichloroethane-d4		82	53-142
Toluene-d8		78	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ44960-001
Batch: 44960
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 04/11/2014 0120

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	04/16/2014 2332
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	04/16/2014 2332
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	04/16/2014 2332
Chlorobenzene	ND		10	0.050	0.0020	mg/L	04/16/2014 2332
Chloroform	ND		10	0.050	0.0030	mg/L	04/16/2014 2332
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	04/16/2014 2332
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	04/16/2014 2332
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	04/16/2014 2332
Trichloroethene	ND		10	0.050	0.0030	mg/L	04/16/2014 2332
Vinyl chloride	ND		10	0.010	0.0010	mg/L	04/16/2014 2332

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ44960-002
Batch: 44960
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 04/11/2014 0120

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.51		10	102	72-127	04/17/2014 0258
2-Butanone (MEK)	1.0	0.96		10	96	60-140	04/17/2014 0258
Carbon tetrachloride	0.50	0.51		10	101	37-166	04/17/2014 0258
Chlorobenzene	0.50	0.51		10	102	78-129	04/17/2014 0258
Chloroform	0.50	0.51		10	101	63-123	04/17/2014 0258
1,2-Dichloroethane	0.50	0.50		10	101	59-143	04/17/2014 0258
1,1-Dichloroethene	0.50	0.50		10	101	50-132	04/17/2014 0258
Tetrachloroethene	0.50	0.51		10	103	70-130	04/17/2014 0258
Trichloroethene	0.50	0.53		10	105	73-124	04/17/2014 0258
Vinyl chloride	0.50	0.48		10	96	29-159	04/17/2014 0258

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: PD09043-036MS
Batch: 44960
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 04/11/2014 0120

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.54	W	10	108	70-127	04/17/2014 0321
2-Butanone (MEK)	ND	1.0	0.99	W	10	99	60-140	04/17/2014 0321
Carbon tetrachloride	ND	0.50	0.55	W	10	110	37-166	04/17/2014 0321
Chlorobenzene	ND	0.50	0.54	W	10	108	78-129	04/17/2014 0321
Chloroform	ND	0.50	0.53	W	10	106	63-123	04/17/2014 0321
1,2-Dichloroethane	ND	0.50	0.51	W	10	103	59-143	04/17/2014 0321
1,1-Dichloroethene	ND	0.50	0.55	W	10	110	50-132	04/17/2014 0321
Tetrachloroethene	0.76	0.50	1.3	W	10	107	70-130	04/17/2014 0321
Trichloroethene	ND	0.50	0.57	W	10	113	73-124	04/17/2014 0321
Vinyl chloride	ND	0.50	0.52	W	10	104	29-159	04/17/2014 0321

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ44632-001
Batch: 44632
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/11/2014 1900

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	04/14/2014 1614
Acenaphthylene	ND		1	330	13	ug/kg	04/14/2014 1614
Anthracene	ND		1	330	15	ug/kg	04/14/2014 1614
Benzo(a)anthracene	ND		1	330	11	ug/kg	04/14/2014 1614
Benzo(a)pyrene	ND		1	330	24	ug/kg	04/14/2014 1614
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	04/14/2014 1614
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	04/14/2014 1614
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	04/14/2014 1614
Chrysene	ND		1	330	10	ug/kg	04/14/2014 1614
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	04/14/2014 1614
Fluoranthene	ND		1	330	10	ug/kg	04/14/2014 1614
Fluorene	ND		1	330	13	ug/kg	04/14/2014 1614
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	04/14/2014 1614
Naphthalene	ND		1	330	14	ug/kg	04/14/2014 1614
Phenanthrene	ND		1	330	13	ug/kg	04/14/2014 1614
Pyrene	ND		1	330	14	ug/kg	04/14/2014 1614

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		88	33-102
Nitrobenzene-d5		73	22-109
Terphenyl-d14		91	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44632-002
Batch: 44632
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/11/2014 1900

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2900		1	88	46-114	04/14/2014 1641
Acenaphthylene	3300	3600		1	107	44-122	04/14/2014 1641
Anthracene	3300	3100		1	93	50-119	04/14/2014 1641
Benzo(a)anthracene	3300	2900		1	88	47-121	04/14/2014 1641
Benzo(a)pyrene	3300	3200		1	96	55-134	04/14/2014 1641
Benzo(b)fluoranthene	3300	3100		1	93	28-139	04/14/2014 1641
Benzo(g,h,i)perylene	3300	2800		1	84	36-125	04/14/2014 1641
Benzo(k)fluoranthene	3300	3200		1	97	47-130	04/14/2014 1641
Chrysene	3300	2900		1	86	45-126	04/14/2014 1641
Dibenzo(a,h)anthracene	3300	3000		1	89	45-122	04/14/2014 1641
Fluoranthene	3300	3000		1	90	50-123	04/14/2014 1641
Fluorene	3300	2900		1	87	48-117	04/14/2014 1641
Indeno(1,2,3-c,d)pyrene	3300	3000		1	90	45-123	04/14/2014 1641
Naphthalene	3300	2500		1	76	36-110	04/14/2014 1641
Phenanthrene	3300	3000		1	89	49-117	04/14/2014 1641
Pyrene	3300	2900		1	88	47-119	04/14/2014 1641

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		84	33-102
Nitrobenzene-d5		75	22-109
Terphenyl-d14		94	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: PD09043-011MS
Batch: 44632
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/11/2014 1900

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	4000	3100		1	78	30-130	04/15/2014 1612
Acenaphthylene	ND	4000	3800		1	95	30-130	04/15/2014 1612
Anthracene	ND	4000	3300		1	83	30-130	04/15/2014 1612
Benzo(a)anthracene	ND	4000	3100		1	78	30-130	04/15/2014 1612
Benzo(a)pyrene	ND	4000	3400		1	85	30-130	04/15/2014 1612
Benzo(b)fluoranthene	ND	4000	3300		1	84	30-130	04/15/2014 1612
Benzo(g,h,i)perylene	ND	4000	2400		1	60	30-130	04/15/2014 1612
Benzo(k)fluoranthene	ND	4000	3100		1	77	30-130	04/15/2014 1612
Chrysene	ND	4000	3000		1	77	30-130	04/15/2014 1612
Dibenzo(a,h)anthracene	ND	4000	2600		1	66	30-130	04/15/2014 1612
Fluoranthene	ND	4000	3200		1	80	30-130	04/15/2014 1612
Fluorene	ND	4000	3100		1	78	30-130	04/15/2014 1612
Indeno(1,2,3-c,d)pyrene	ND	4000	2700		1	67	30-130	04/15/2014 1612
Naphthalene	ND	4000	2800		1	71	30-130	04/15/2014 1612
Phenanthrene	ND	4000	3200		1	81	30-130	04/15/2014 1612
Pyrene	ND	4000	3100		1	78	30-130	04/15/2014 1612

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		74	33-102
Nitrobenzene-d5		69	22-109
Terphenyl-d14		83	41-120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: PD09043-011MD
Batch: 44632
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/11/2014 1900

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	4000	3000		1	75	3.7	30-130	40	04/15/2014 1639
Acenaphthylene	ND	4000	3700		1	93	1.3	30-130	40	04/15/2014 1639
Anthracene	ND	4000	3200		1	81	1.4	30-130	40	04/15/2014 1639
Benzo(a)anthracene	ND	4000	3000		1	76	1.2	30-130	40	04/15/2014 1639
Benzo(a)pyrene	ND	4000	3300		1	84	1.4	30-130	40	04/15/2014 1639
Benzo(b)fluoranthene	ND	4000	3300		1	82	2.4	30-130	40	04/15/2014 1639
Benzo(g,h,i)perylene	ND	4000	2400		1	60	0.066	30-130	40	04/15/2014 1639
Benzo(k)fluoranthene	ND	4000	3500		1	87	13	30-130	40	04/15/2014 1639
Chrysene	ND	4000	3000		1	76	0.85	30-130	40	04/15/2014 1639
Dibenzo(a,h)anthracene	ND	4000	2600		1	65	1.3	30-130	40	04/15/2014 1639
Fluoranthene	ND	4000	3200		1	79	0.76	30-130	40	04/15/2014 1639
Fluorene	ND	4000	3000		1	77	1.7	30-130	40	04/15/2014 1639
Indeno(1,2,3-c,d)pyrene	ND	4000	2600		1	66	1.2	30-130	40	04/15/2014 1639
Naphthalene	ND	4000	2700		1	68	3.7	30-130	40	04/15/2014 1639
Phenanthrene	ND	4000	3100		1	77	3.9	30-130	40	04/15/2014 1639
Pyrene	ND	4000	3000		1	75	2.3	30-130	40	04/15/2014 1639

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		70	33-102
Nitrobenzene-d5		64	22-109
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ44657-001
Batch: 44657
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/12/2014 1300

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	04/15/2014 1025
Acenaphthylene	ND		1	330	13	ug/kg	04/15/2014 1025
Anthracene	ND		1	330	15	ug/kg	04/15/2014 1025
Benzo(a)anthracene	ND		1	330	11	ug/kg	04/15/2014 1025
Benzo(a)pyrene	ND		1	330	24	ug/kg	04/15/2014 1025
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	04/15/2014 1025
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	04/15/2014 1025
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	04/15/2014 1025
Chrysene	ND		1	330	10	ug/kg	04/15/2014 1025
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	04/15/2014 1025
Fluoranthene	ND		1	330	10	ug/kg	04/15/2014 1025
Fluorene	ND		1	330	13	ug/kg	04/15/2014 1025
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	04/15/2014 1025
Naphthalene	ND		1	330	14	ug/kg	04/15/2014 1025
Phenanthrene	ND		1	330	13	ug/kg	04/15/2014 1025
Pyrene	ND		1	330	14	ug/kg	04/15/2014 1025

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		70	33-102
Nitrobenzene-d5		65	22-109
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ44657-002
Batch: 44657
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 04/12/2014 1300

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2600		1	79	46-114	04/15/2014 1049
Acenaphthylene	3300	3400		1	101	44-122	04/15/2014 1049
Anthracene	3300	3200		1	97	50-119	04/15/2014 1049
Benzo(a)anthracene	3300	2900		1	86	47-121	04/15/2014 1049
Benzo(a)pyrene	3300	3200		1	96	55-134	04/15/2014 1049
Benzo(b)fluoranthene	3300	3100		1	92	28-139	04/15/2014 1049
Benzo(g,h,i)perylene	3300	2600		1	79	36-125	04/15/2014 1049
Benzo(k)fluoranthene	3300	3200		1	96	47-130	04/15/2014 1049
Chrysene	3300	2800		1	85	45-126	04/15/2014 1049
Dibenzo(a,h)anthracene	3300	2800		1	84	45-122	04/15/2014 1049
Fluoranthene	3300	3100		1	93	50-123	04/15/2014 1049
Fluorene	3300	2700		1	82	48-117	04/15/2014 1049
Indeno(1,2,3-c,d)pyrene	3300	2800		1	84	45-123	04/15/2014 1049
Naphthalene	3300	2400		1	73	36-110	04/15/2014 1049
Phenanthrene	3300	3000		1	90	49-117	04/15/2014 1049
Pyrene	3300	2900		1	86	47-119	04/15/2014 1049

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		82	33-102
Nitrobenzene-d5		73	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 19188

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Cir. Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 5
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Itron			
Project Number: 33764587.00001	P.O Number:		Lot No.: PD09043

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270 PAHs	% solids	Remarks / Cooler ID
SB-56 (0-1')	4/8/14	0955	G				✓		✓	✓	✓	1643
SB-56 (6-7')	4/8/14	1005	G				✓		✓	✓	✓	
SB-56 (13-14')	4/8/14	1015	G				✓		✓	✓	✓	
SB-56 (28-29')	4/8/14	1025	G				✓		✓	✓	✓	
DUP-5	4/8/14	1010	G				✓		✓	✓	✓	
SB-58 (4-5')	4/8/14	1130	G				✓		✓	✓	✓	
SB-58 (9-10')	4/8/14	1140	G				✓		✓	✓	✓	
SB-58 (23-24')	4/8/14	1150	G				✓		✓	✓	✓	
SB-38 (0-1')	4/8/14	1235	G				✓		✓	✓	✓	
SB-38 (24-25')	4/8/14	1255	G				✓		✓	✓	✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	4/9/14	1215	1. Received by	4/9/14	1215
2. Relinquished by	4/9/14	1420	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by	4.9.14	1420

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1.3 °C
1.6, 1.0
Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 19189

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Marc McFarland	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
128 Millport Cir. Ste. 100	864-527-4737 aaron.council@urs.com		2 of 5
City / **State** / **Zip Code**	**Preservative**		
Greenville / SC / 29607	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name			
Itron			
Project Number	**P.O Number**		
337645871.00001			

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270 PAHs	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
									4	1	1					
									A	M	L					
									1	1	1				PDoG43	
SB-38 (16-17')	4/8/14	1245	G				✓		✓	✓	✓					
MS	4/8/14	1245	G				✓		✓	✓	✓					
MSD	4/8/14	1245	G				✓		✓	✓	✓					
SB-39 (5-6')	4/8/14	1335	G				✓		✓	✓	✓					
SB-39 (14-15')	4/8/14	1350	G				✓		✓	✓	✓					
SB-39 (22-23')	4/8/14	1400	G				✓		✓	✓	✓					
SB-37 (4-5')	4/8/14	1440	G				✓		✓	✓	✓					
SB-37 (12-13')	4/8/14	1450	G				✓		✓	✓	✓					
SB-37 (23-24')	4/8/14	1500	G				✓		✓	✓	✓					
SB-40 (4-5')	4/8/14	1540	G				✓		✓	✓	✓					

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron B. Council	4/9/14	1215	1. Received by	4/9/14	1215
2. Relinquished by	4/9/14	1420	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by	4.9.14	1420

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.6 °C — Temp. Blank ☐ Y / ☐ N

1-0

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

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106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
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SHEALY

Chain of Custody Record

Number 19190

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Marc McFarland	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
128 Millport Cir. Ste. 100	864-521-4737		3 of 5
City / State / Zip Code	**Preservative**		
Greenville / SC / 29607	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Tho.		
Project Name			
Itron			
Project Number	**P.O Number**		
33764587.00001			

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	C=Grab G=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270 PAHs	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No. / Remarks / Cooler ID
												4	1	1	PD09043
												A	M	L	
												1	1	1	
SB-40 (17-18')	4/8/14	1550	G				✓		✓	✓	✓				
SB-40 (23-24')	4/8/14	1600	G				✓		✓	✓	✓				
SB-41 (1-2')	4/8/14	1715	G				✓		✓	✓	✓				
SB-41 (14-15')	4/8/14	1730	G				✓		✓	✓	✓				
SB-41 (23-24')	4/8/14	1745	G				✓		✓	✓	✓				
SB-43 (7-8')	4/9/14	0830	G				✓		✓	✓	✓				
SB-43 (10-11')	4/9/14	0840	G				✓		✓	✓	✓				
SB-43 (19-20')	4/9/14	0850	G				✓		✓	✓	✓				
DUP-6	4/9/14	0855	G				✓		✓	✓	✓				
SB-42 (0-1')	4/9/14	0925	G				✓		✓	✓	✓				

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	4/9/14	1215	1. Received by	4/9/14	1215
2. Relinquished by	4/9/14	1470	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	4-9-14	Time
4. Relinquished by	Date	Time	4. Laboratory Received by	Date 4/10 tw	Time 1420

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1-0 °C 1-6
Temp. Blank ☐ Y / ☐ N

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SHEALY **Chain of Custody Record** **Number** 19191

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council | Marc McFarland	

Address	Telephone No. / Fax No. / Email	Waybill No.	Page
128 Millport Cir. Ste. 100	864-527-4737 aaron.council@urs.com		4 of 5

City	State	Zip Code
Greenville	SC	29607

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Project Name: Itron

Project Number: 337645870.00001

P.O Number:

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	8270 PAHs	% Solids	TCLP VOCs	Remarks / Cooler ID
									4	1	1	1	Number of Containers
									A	M	L	M	Bottle (See Instructions on back)
									1	1	1	1	Preservative
													Lot No. PD0943
SB-42 (14-15')	4/9/14	0945	G				✓		✓	✓	✓		
SB-42 (23-24')	4/9/14	0955	G				✓		✓	✓	✓		
SB-42 (6-7')	4/9/14	0935	G				✓		✓	✓	✓		
MS	4/9/14	0935	G				✓		✓	✓	✓		
MSD	4/9/14	0935	G				✓		✓	✓	✓		
SB-50	4/9/14	1035	G				✓		✓	✓	✓		
SB-50	4/9/14	1045	G				✓		✓	✓	✓		
SB-50	4/9/14	1055	G				✓		✓	✓	✓		
Trip Blank 4/8/14A									✓				
IDW-Drums 1&2	4/9/14	1115	G				✓					✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/9/14	1215	1. Received by	4/9/14	1215
2. Relinquished by	4/9/14	1420	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by	4.9.14	1420

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.3 °C (1.0) — Temp. Blank ☐ Y / ☐ N ✓

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106 Vantage Point Drive
West Columbia, South Carolina 29172
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Chain of Custody Record

Number 19193

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Marc McFarland	Quote No.
Address: 128 Millport Circle Ste. 100	Telephone No. / Fax No. / Email: 864-527-4937 aaron.council@urs.com	Waybill No.	Page: 5 of 5
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Itron			Lot No.: PD 0 90 43
Project Number: 337645B7.00001	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	Remarks / Cooler ID
Trip Blank 4/8/14 B									✓	
Trip Blank 4/9/14									✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	4/9/14	1215	1. Received by	4/9/14	1215
2. Relinquished by	4/9/14	1420	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory Received by	4.9.14	1420

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.6 °C — Temp. Blank ☐ Y / ☐ N

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Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Page 1 of 1
Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: ECC 4/9/14 Lot #: PD 09043

Means of receipt: ☒ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☒		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
1643 / 1.2/1.3 °C — 1.5 / 1.6 °C — 10-9/10 °C ___ / ___ / ___ °C
Method: ☐ Temperature Blank ☒ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.4 °C
Method of coolant: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☒	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☒	4. Is the commercial courier's packing slip attached to this form?
Yes ☒	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☒	5a Were samples relinquished by client to commercial courier?
Yes ☒	No ☐		6. Were sample IDs listed on the COC?
Yes ☒	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☒	No ☐		8. Was collection date & time listed on the COC?
Yes ☒	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☒	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☒	No ☐		11. Were tests to be performed listed on the COC?
Yes ☒	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☒	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☒	No ☐		14. Was adequate sample volume available?
Yes ☒	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☒		16. Were any samples containers missing?
Yes ☐	No ☒		17. Were there any excess samples not listed on COC?
Yes ☐	No ☒	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☒	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☒	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☒	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☒	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☒	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☒		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____were received with bubbles >6 mm in diameter.

Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____
Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____

Sample labels applied by: ECC Verified by:_____ Date: 4-9-14

Comments:
-032, -033, -034 - Depths taken for vials labels matching date/time of sampling on COC
(5650)

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PE22009

Date Completed: 05/30/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P E 2 2 0 0 9 *

Case Narrative
URS Corporation
Lot Number: PE22009

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
URS Corporation
Lot Number: PE22009

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-59 (2-3')	Solid	05/19/2014 1500	05/21/2014
002	SB-59 (3-4')	Solid	05/19/2014 1515	05/21/2014
003	SB-60 (3-4')	Solid	05/19/2014 1535	05/21/2014
004	SB-60 (4-5')	Solid	05/19/2014 1545	05/21/2014
005	Rinsate	Aqueous	05/19/2014	05/21/2014

(5 samples)

Executive Summary

URS Corporation

Lot Number: PE22009

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-59 (2-3')	Solid	Acetone	8260B	30	J	ug/kg	5
001	SB-59 (2-3')	Solid	Tetrachloroethene	8260B	35		ug/kg	5
002	SB-59 (3-4')	Solid	Acetone	8260B	86		ug/kg	7
002	SB-59 (3-4')	Solid	Isopropylbenzene	8260B	48		ug/kg	7
002	SB-59 (3-4')	Solid	Tetrachloroethene	8260B	35		ug/kg	7
002	SB-59 (3-4')	Solid	Xylenes (total)	8260B	4.6	J	ug/kg	8
003	SB-60 (3-4')	Solid	Acetone	8260B	11	J	ug/kg	9
003	SB-60 (3-4')	Solid	Tetrachloroethene	8260B	4.5	J	ug/kg	9
004	SB-60 (4-5')	Solid	Tetrachloroethene	8260B	3.4	J	ug/kg	11

(9 detections)

Client: URS Corporation
Description: SB-59 (2-3')
Date Sampled: 05/19/2014 1500
Date Received: 05/21/2014

Laboratory ID: PE22009-001
Matrix: Solid
% Solids: 75.9 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1329	JJG		47576	4.15

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	30	J	32	11	ug/kg	1
Benzene	71-43-2	8260B	ND		7.9	1.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.9	2.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.9	1.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.9	2.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		16	3.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.9	2.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.9	2.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.9	2.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.9	2.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.9	1.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.9	1.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.9	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.9	2.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.9	2.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.9	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.9	2.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.9	2.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.9	2.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.9	2.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.9	1.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.9	1.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.9	2.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.9	1.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.9	2.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.9	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.9	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.9	1.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.9	2.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		16	2.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.9	0.37	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.9	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.9	0.64	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		16	2.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.9	0.65	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.9	4.1	ug/kg	1
Styrene	100-42-5	8260B	ND		7.9	1.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.9	0.75	ug/kg	1
Tetrachloroethene	127-18-4	8260B	35		7.9	0.79	ug/kg	1
Toluene	108-88-3	8260B	ND		7.9	2.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-59 (2-3')
Date Sampled: 05/19/2014 1500
Date Received: 05/21/2014

Laboratory ID: PE22009-001
Matrix: Solid
% Solids: 75.9 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1329	JJG		47576	4.15

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.9	1.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.9	2.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.9	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.9	1.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.9	3.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.9	2.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.9	1.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.9	4.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	53-142
Bromofluorobenzene		84	47-138
Toluene-d8		88	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-59 (3-4')
Date Sampled: 05/19/2014 1515
Date Received: 05/21/2014

Laboratory ID: PE22009-002
Matrix: Solid
% Solids: 79.4 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1352	JJG		47576	4.84

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	86		26	8.7	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.91	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	0.88	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.95	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.99	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.89	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	48		6.5	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	0.53	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	35		6.5	0.65	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-59 (3-4')
Date Sampled: 05/19/2014 1515
Date Received: 05/21/2014

Laboratory ID: PE22009-002
Matrix: Solid
% Solids: 79.4 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1352	JJG		47576	4.84

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	0.82	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.5	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	4.6	J	6.5	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		83	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		89	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-60 (3-4')
Date Sampled: 05/19/2014 1535
Date Received: 05/21/2014

Laboratory ID: PE22009-003
Matrix: Solid
% Solids: 67.0 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1416	JJG		47576	5.07

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	11	J	29	9.9	ug/kg	1
Benzene	71-43-2	8260B	ND		7.4	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.4	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.4	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.4	2.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.4	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.4	2.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.4	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.4	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.4	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.4	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.4	0.99	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.4	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.4	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.4	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.4	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.4	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.4	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.4	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.4	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.4	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.4	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.4	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.4	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.4	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.4	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.4	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.4	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.4	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.4	0.59	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.4	0.60	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.4	3.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.4	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.4	0.69	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4.5	J	7.4	0.74	ug/kg	1
Toluene	108-88-3	8260B	ND		7.4	2.5	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-60 (3-4')
Date Sampled: 05/19/2014 1535
Date Received: 05/21/2014

Laboratory ID: PE22009-003
Matrix: Solid
% Solids: 67.0 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1416	JJG		47576	5.07

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.4	0.93	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.4	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.4	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.4	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.4	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.4	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.4	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.4	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142
Bromofluorobenzene		90	47-138
Toluene-d8		92	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-60 (4-5')
Date Sampled: 05/19/2014 1545
Date Received: 05/21/2014

Laboratory ID: PE22009-004
Matrix: Solid
% Solids: 91.7 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1439	JJG		47576	5.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	0.71	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	0.85	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	0.69	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	0.87	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	0.74	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	0.77	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	0.93	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	0.69	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	0.84	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	3.4	J	5.1	0.51	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
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H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-60 (4-5')
Date Sampled: 05/19/2014 1545
Date Received: 05/21/2014

Laboratory ID: PE22009-004
Matrix: Solid
% Solids: 91.7 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/27/2014 1439	JJG		47576	5.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	0.64	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	0.87	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	0.81	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	0.88	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		90	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Rinsate
Date Sampled: 05/19/2014
Date Received: 05/21/2014

Laboratory ID: PE22009-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/29/2014 0423	PMM2		47698

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Rinsate
Date Sampled: 05/19/2014
Date Received: 05/21/2014

Laboratory ID: PE22009-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/29/2014 0423	PMM2		47698

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47576-001
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/27/2014 1124
Benzene	ND		1	5.0	1.1	ug/kg	05/27/2014 1124
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
Bromoform	ND		1	5.0	0.70	ug/kg	05/27/2014 1124
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/27/2014 1124
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/27/2014 1124
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/27/2014 1124
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/27/2014 1124
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
Chloroethane	ND		1	5.0	1.3	ug/kg	05/27/2014 1124
Chloroform	ND		1	5.0	0.83	ug/kg	05/27/2014 1124
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/27/2014 1124
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/27/2014 1124
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/27/2014 1124
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/27/2014 1124
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/27/2014 1124
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/27/2014 1124
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/27/2014 1124
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/27/2014 1124
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/27/2014 1124
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/27/2014 1124
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/27/2014 1124
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/27/2014 1124
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
2-Hexanone	ND		1	10	1.3	ug/kg	05/27/2014 1124
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/27/2014 1124
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/27/2014 1124
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/27/2014 1124
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/27/2014 1124
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/27/2014 1124
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/27/2014 1124
Styrene	ND		1	5.0	1.1	ug/kg	05/27/2014 1124
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/27/2014 1124
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/27/2014 1124
Toluene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/27/2014 1124
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/27/2014 1124
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/27/2014 1124
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/27/2014 1124

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47576-001
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/27/2014 1124
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/27/2014 1124
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/27/2014 1124
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/27/2014 1124

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		89	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47576-002
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	77		1	77	60-140	05/27/2014 0951
Benzene	50	41		1	81	69-123	05/27/2014 0951
Bromodichloromethane	50	40		1	80	69-121	05/27/2014 0951
Bromoform	50	41		1	83	61-119	05/27/2014 0951
Bromomethane (Methyl bromide)	50	42		1	83	10-168	05/27/2014 0951
2-Butanone (MEK)	100	81		1	81	57-148	05/27/2014 0951
Carbon disulfide	50	41		1	82	58-122	05/27/2014 0951
Carbon tetrachloride	50	42		1	83	58-136	05/27/2014 0951
Chlorobenzene	50	43		1	86	59-129	05/27/2014 0951
Chloroethane	50	42		1	83	42-163	05/27/2014 0951
Chloroform	50	41		1	83	71-125	05/27/2014 0951
Chloromethane (Methyl chloride)	50	42		1	83	34-134	05/27/2014 0951
Cyclohexane	50	42		1	85	53-139	05/27/2014 0951
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	85	55-125	05/27/2014 0951
Dibromochloromethane	50	42		1	85	66-119	05/27/2014 0951
1,2-Dibromoethane (EDB)	50	41		1	83	74-124	05/27/2014 0951
1,2-Dichlorobenzene	50	45		1	90	57-131	05/27/2014 0951
1,4-Dichlorobenzene	50	46		1	92	52-133	05/27/2014 0951
1,3-Dichlorobenzene	50	45		1	91	51-134	05/27/2014 0951
Dichlorodifluoromethane	50	43		1	85	10-157	05/27/2014 0951
1,1-Dichloroethane	50	41		1	83	71-127	05/27/2014 0951
1,2-Dichloroethane	50	40		1	81	67-129	05/27/2014 0951
1,1-Dichloroethene	50	42		1	83	69-138	05/27/2014 0951
cis-1,2-Dichloroethene	50	42		1	84	70-122	05/27/2014 0951
trans-1,2-Dichloroethene	50	41		1	83	68-131	05/27/2014 0951
1,2-Dichloropropane	50	41		1	81	72-124	05/27/2014 0951
cis-1,3-Dichloropropene	50	39		1	79	70-126	05/27/2014 0951
trans-1,3-Dichloropropene	50	43		1	87	70-124	05/27/2014 0951
Ethylbenzene	50	43		1	87	59-128	05/27/2014 0951
2-Hexanone	100	84		1	84	54-137	05/27/2014 0951
Isopropylbenzene	50	48		1	96	50-136	05/27/2014 0951
Methyl acetate	50	41		1	82	59-137	05/27/2014 0951
Methyl tertiary butyl ether (MTBE)	50	41		1	82	70-130	05/27/2014 0951
4-Methyl-2-pentanone	100	80		1	80	60-134	05/27/2014 0951
Methylcyclohexane	50	42		1	83	41-144	05/27/2014 0951
Methylene chloride	50	41		1	83	70-130	05/27/2014 0951
Styrene	50	44		1	87	54-136	05/27/2014 0951
1,1,2,2-Tetrachloroethane	50	46		1	92	69-132	05/27/2014 0951
Tetrachloroethene	50	43		1	87	45-150	05/27/2014 0951
Toluene	50	40		1	81	61-129	05/27/2014 0951
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	49-136	05/27/2014 0951
1,2,4-Trichlorobenzene	50	45		1	90	34-145	05/27/2014 0951
1,1,2-Trichloroethane	50	41		1	81	55-128	05/27/2014 0951
1,1,1-Trichloroethane	50	43		1	86	63-128	05/27/2014 0951

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47576-002
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	80	62-126	05/27/2014 0951
Trichlorofluoromethane	50	43		1	86	45-138	05/27/2014 0951
Vinyl chloride	50	42		1	84	42-132	05/27/2014 0951
Xylenes (total)	100	89		1	89	58-128	05/27/2014 0951

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		84	47-138
1,2-Dichloroethane-d4		74	53-142
Toluene-d8		81	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47576-003
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	89		1	89	14	60-140	20	05/27/2014 1014
Benzene	50	43		1	86	5.8	69-123	20	05/27/2014 1014
Bromodichloromethane	50	44		1	87	9.0	69-121	20	05/27/2014 1014
Bromoform	50	45		1	90	8.1	61-119	20	05/27/2014 1014
Bromomethane (Methyl bromide)	50	43		1	86	2.6	10-168	20	05/27/2014 1014
2-Butanone (MEK)	100	86		1	86	5.8	57-148	20	05/27/2014 1014
Carbon disulfide	50	41		1	81	0.70	58-122	20	05/27/2014 1014
Carbon tetrachloride	50	43		1	85	2.1	58-136	20	05/27/2014 1014
Chlorobenzene	50	45		1	90	4.6	59-129	20	05/27/2014 1014
Chloroethane	50	42		1	85	1.7	42-163	20	05/27/2014 1014
Chloroform	50	42		1	84	1.7	71-125	20	05/27/2014 1014
Chloromethane (Methyl chloride)	50	42		1	84	0.74	34-134	20	05/27/2014 1014
Cyclohexane	50	43		1	86	1.2	53-139	20	05/27/2014 1014
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	88	3.4	55-125	20	05/27/2014 1014
Dibromochloromethane	50	44		1	89	4.6	66-119	20	05/27/2014 1014
1,2-Dibromoethane (EDB)	50	44		1	89	7.0	74-124	20	05/27/2014 1014
1,2-Dichlorobenzene	50	47		1	94	3.9	57-131	20	05/27/2014 1014
1,4-Dichlorobenzene	50	47		1	93	1.4	52-133	20	05/27/2014 1014
1,3-Dichlorobenzene	50	46		1	93	2.2	51-134	20	05/27/2014 1014
Dichlorodifluoromethane	50	44		1	87	1.9	10-157	20	05/27/2014 1014
1,1-Dichloroethane	50	43		1	85	3.3	71-127	20	05/27/2014 1014
1,2-Dichloroethane	50	42		1	83	3.1	67-129	20	05/27/2014 1014
1,1-Dichloroethene	50	42		1	84	0.32	69-138	20	05/27/2014 1014
cis-1,2-Dichloroethene	50	43		1	85	2.1	70-122	20	05/27/2014 1014
trans-1,2-Dichloroethene	50	42		1	84	1.1	68-131	20	05/27/2014 1014
1,2-Dichloropropane	50	43		1	87	6.2	72-124	20	05/27/2014 1014
cis-1,3-Dichloropropene	50	44		1	87	10	70-126	20	05/27/2014 1014
trans-1,3-Dichloropropene	50	46		1	92	5.7	70-124	20	05/27/2014 1014
Ethylbenzene	50	46		1	92	5.9	59-128	20	05/27/2014 1014
2-Hexanone	100	90		1	90	7.2	54-137	20	05/27/2014 1014
Isopropylbenzene	50	49		1	97	1.7	50-136	20	05/27/2014 1014
Methyl acetate	50	45		1	90	9.2	59-137	20	05/27/2014 1014
Methyl tertiary butyl ether (MTBE)	50	43		1	87	5.5	70-130	20	05/27/2014 1014
4-Methyl-2-pentanone	100	88		1	88	9.2	60-134	20	05/27/2014 1014
Methylcyclohexane	50	45		1	90	8.4	41-144	20	05/27/2014 1014
Methylene chloride	50	42		1	83	0.87	70-130	20	05/27/2014 1014
Styrene	50	47		1	94	7.0	54-136	20	05/27/2014 1014
1,1,2,2-Tetrachloroethane	50	47		1	94	1.6	69-132	20	05/27/2014 1014
Tetrachloroethene	50	46		1	92	5.8	45-150	20	05/27/2014 1014
Toluene	50	43		1	87	6.6	61-129	20	05/27/2014 1014
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	99	3.4	49-136	20	05/27/2014 1014
1,2,4-Trichlorobenzene	50	48		1	96	6.3	34-145	20	05/27/2014 1014
1,1,2-Trichloroethane	50	44		1	87	7.0	55-128	20	05/27/2014 1014
1,1,1-Trichloroethane	50	44		1	88	2.8	63-128	20	05/27/2014 1014

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47576-003
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	43		1	86	7.7	62-126	20	05/27/2014 1014
Trichlorofluoromethane	50	44		1	89	3.2	45-138	20	05/27/2014 1014
Vinyl chloride	50	41		1	82	1.9	42-132	20	05/27/2014 1014
Xylenes (total)	100	94		1	94	5.4	58-128	20	05/27/2014 1014

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	47-138
1,2-Dichloroethane-d4		82	53-142
Toluene-d8		88	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE22009-004MS
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	110	100		1	93	60-140	05/27/2014 1940
Benzene	ND	55	47		1	86	69-123	05/27/2014 1940
Bromodichloromethane	ND	55	48		1	87	69-121	05/27/2014 1940
Bromoform	ND	55	48		1	87	61-119	05/27/2014 1940
Bromomethane (Methyl bromide)	ND	55	45		1	81	35-144	05/27/2014 1940
2-Butanone (MEK)	ND	110	97		1	88	57-148	05/27/2014 1940
Carbon disulfide	ND	55	43		1	78	58-122	05/27/2014 1940
Carbon tetrachloride	ND	55	47		1	86	58-136	05/27/2014 1940
Chlorobenzene	ND	55	47		1	85	59-129	05/27/2014 1940
Chloroethane	ND	55	48		1	88	50-132	05/27/2014 1940
Chloroform	ND	55	47		1	86	71-125	05/27/2014 1940
Chloromethane (Methyl chloride)	ND	55	47		1	86	34-134	05/27/2014 1940
Cyclohexane	ND	55	45		1	83	53-139	05/27/2014 1940
1,2-Dibromo-3-chloropropane (DBCP)	ND	55	44		1	80	55-125	05/27/2014 1940
Dibromochloromethane	ND	55	47		1	86	66-119	05/27/2014 1940
1,2-Dibromoethane (EDB)	ND	55	49		1	89	74-124	05/27/2014 1940
1,2-Dichlorobenzene	ND	55	45		1	82	57-131	05/27/2014 1940
1,3-Dichlorobenzene	ND	55	44		1	81	51-134	05/27/2014 1940
1,4-Dichlorobenzene	ND	55	44		1	80	52-133	05/27/2014 1940
Dichlorodifluoromethane	ND	55	51		1	93	10-157	05/27/2014 1940
1,1-Dichloroethane	ND	55	48		1	88	71-127	05/27/2014 1940
1,2-Dichloroethane	ND	55	47		1	86	67-129	05/27/2014 1940
1,1-Dichloroethene	ND	55	46		1	84	69-138	05/27/2014 1940
cis-1,2-Dichloroethene	ND	55	46		1	85	70-122	05/27/2014 1940
trans-1,2-Dichloroethene	ND	55	47		1	86	68-131	05/27/2014 1940
1,2-Dichloropropane	ND	55	47		1	86	72-124	05/27/2014 1940
cis-1,3-Dichloropropene	ND	55	47		1	85	70-126	05/27/2014 1940
trans-1,3-Dichloropropene	ND	55	48		1	88	70-124	05/27/2014 1940
Ethylbenzene	ND	55	47		1	87	59-128	05/27/2014 1940
2-Hexanone	ND	110	95		1	87	54-137	05/27/2014 1940
Isopropylbenzene	ND	55	48		1	88	50-136	05/27/2014 1940
Methyl acetate	ND	55	67		1	122	59-137	05/27/2014 1940
Methyl tertiary butyl ether (MTBE)	ND	55	50		1	91	70-130	05/27/2014 1940
4-Methyl-2-pentanone	ND	110	100		1	92	60-134	05/27/2014 1940
Methylcyclohexane	ND	55	46		1	85	41-144	05/27/2014 1940
Methylene chloride	ND	55	45		1	82	77-129	05/27/2014 1940
Styrene	ND	55	46		1	84	54-136	05/27/2014 1940
1,1,2,2-Tetrachloroethane	ND	55	50		1	91	69-132	05/27/2014 1940
Tetrachloroethene	3.4	55	51		1	88	70-130	05/27/2014 1940
Toluene	ND	55	47		1	86	61-129	05/27/2014 1940
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	55	53		1	96	49-136	05/27/2014 1940
1,2,4-Trichlorobenzene	ND	55	37		1	67	34-145	05/27/2014 1940
1,1,1-Trichloroethane	ND	55	49		1	89	63-128	05/27/2014 1940
1,1,2-Trichloroethane	ND	55	48		1	88	55-128	05/27/2014 1940

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE22009-004MS
Batch: 47576
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	55	46		1	85	62-126	05/27/2014 1940
Trichlorofluoromethane	ND	55	47		1	86	45-138	05/27/2014 1940
Vinyl chloride	ND	55	49		1	89	42-132	05/27/2014 1940
Xylenes (total)	ND	110	95		1	86	58-128	05/27/2014 1940

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		93	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47698-001
Batch: 47698
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	05/28/2014 2207
Benzene	ND		1	5.0	0.20	ug/L	05/28/2014 2207
Bromodichloromethane	ND		1	5.0	1.7	ug/L	05/28/2014 2207
Bromoform	ND		1	5.0	0.40	ug/L	05/28/2014 2207
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	05/28/2014 2207
2-Butanone (MEK)	ND		1	10	1.8	ug/L	05/28/2014 2207
Carbon disulfide	ND		1	5.0	0.30	ug/L	05/28/2014 2207
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	05/28/2014 2207
Chlorobenzene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
Chloroethane	ND		1	5.0	0.50	ug/L	05/28/2014 2207
Chloroform	ND		1	5.0	1.7	ug/L	05/28/2014 2207
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	05/28/2014 2207
Cyclohexane	ND		1	5.0	0.98	ug/L	05/28/2014 2207
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	05/28/2014 2207
Dibromochloromethane	ND		1	5.0	1.7	ug/L	05/28/2014 2207
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	05/28/2014 2207
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	05/28/2014 2207
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	05/28/2014 2207
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	05/28/2014 2207
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	05/28/2014 2207
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	05/28/2014 2207
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	05/28/2014 2207
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	05/28/2014 2207
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/28/2014 2207
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/28/2014 2207
Ethylbenzene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
2-Hexanone	ND		1	10	1.0	ug/L	05/28/2014 2207
Isopropylbenzene	ND		1	5.0	1.0	ug/L	05/28/2014 2207
Methyl acetate	ND		1	5.0	0.72	ug/L	05/28/2014 2207
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	05/28/2014 2207
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	05/28/2014 2207
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/28/2014 2207
Methylene chloride	ND		1	5.0	1.7	ug/L	05/28/2014 2207
Styrene	ND		1	5.0	0.10	ug/L	05/28/2014 2207
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	05/28/2014 2207
Tetrachloroethene	ND		1	5.0	0.40	ug/L	05/28/2014 2207
Toluene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	05/28/2014 2207
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	05/28/2014 2207
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	05/28/2014 2207
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	05/28/2014 2207

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47698-001
Batch: 47698
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	05/28/2014 2207
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	05/28/2014 2207
Vinyl chloride	ND		1	2.0	0.10	ug/L	05/28/2014 2207
Xylenes (total)	ND		1	5.0	1.7	ug/L	05/28/2014 2207

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47698-002
Batch: 47698
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	86		1	86	60-140	05/28/2014 2034
Benzene	50	51		1	101	70-130	05/28/2014 2034
Bromodichloromethane	50	50		1	101	70-130	05/28/2014 2034
Bromoform	50	45		1	91	70-130	05/28/2014 2034
Bromomethane (Methyl bromide)	50	44		1	89	60-140	05/28/2014 2034
2-Butanone (MEK)	100	83		1	83	60-140	05/28/2014 2034
Carbon disulfide	50	43		1	86	60-140	05/28/2014 2034
Carbon tetrachloride	50	44		1	88	70-130	05/28/2014 2034
Chlorobenzene	50	47		1	95	70-130	05/28/2014 2034
Chloroethane	50	43		1	87	42-163	05/28/2014 2034
Chloroform	50	44		1	89	70-130	05/28/2014 2034
Chloromethane (Methyl chloride)	50	46		1	93	60-140	05/28/2014 2034
Cyclohexane	50	45		1	89	70-130	05/28/2014 2034
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	05/28/2014 2034
Dibromochloromethane	50	47		1	93	70-130	05/28/2014 2034
1,2-Dibromoethane (EDB)	50	49		1	97	70-130	05/28/2014 2034
1,2-Dichlorobenzene	50	45		1	90	70-130	05/28/2014 2034
1,3-Dichlorobenzene	50	46		1	93	70-130	05/28/2014 2034
1,4-Dichlorobenzene	50	45		1	91	70-130	05/28/2014 2034
Dichlorodifluoromethane	50	46		1	91	60-140	05/28/2014 2034
1,2-Dichloroethane	50	44		1	89	70-130	05/28/2014 2034
1,1-Dichloroethane	50	42		1	84	70-130	05/28/2014 2034
trans-1,2-Dichloroethene	50	41		1	83	70-130	05/28/2014 2034
cis-1,2-Dichloroethene	50	42		1	85	70-130	05/28/2014 2034
1,1-Dichloroethene	50	44		1	89	70-130	05/28/2014 2034
1,2-Dichloropropane	50	54		1	107	70-130	05/28/2014 2034
trans-1,3-Dichloropropene	50	48		1	97	70-130	05/28/2014 2034
cis-1,3-Dichloropropene	50	56		1	112	70-130	05/28/2014 2034
Ethylbenzene	50	48		1	95	70-130	05/28/2014 2034
2-Hexanone	100	91		1	91	60-140	05/28/2014 2034
Isopropylbenzene	50	46		1	93	70-130	05/28/2014 2034
Methyl acetate	50	43		1	87	70-130	05/28/2014 2034
Methyl tertiary butyl ether (MTBE)	50	41		1	82	70-130	05/28/2014 2034
4-Methyl-2-pentanone	100	100		1	102	60-140	05/28/2014 2034
Methylcyclohexane	50	43		1	85	70-130	05/28/2014 2034
Methylene chloride	50	46		1	93	70-130	05/28/2014 2034
Styrene	50	46		1	93	70-130	05/28/2014 2034
1,1,2,2-Tetrachloroethane	50	47		1	94	70-130	05/28/2014 2034
Tetrachloroethene	50	48		1	96	70-130	05/28/2014 2034
Toluene	50	54		1	109	70-130	05/28/2014 2034
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	108	70-130	05/28/2014 2034
1,2,4-Trichlorobenzene	50	40		1	81	70-130	05/28/2014 2034
1,1,1-Trichloroethane	50	41		1	82	70-130	05/28/2014 2034
1,1,2-Trichloroethane	50	45		1	90	70-130	05/28/2014 2034

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47698-002
Batch: 47698
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	53		1	105	70-130	05/28/2014 2034
Trichlorofluoromethane	50	48		1	96	70-130	05/28/2014 2034
Vinyl chloride	50	48		1	95	70-130	05/28/2014 2034
Xylenes (total)	100	93		1	93	70-130	05/28/2014 2034

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		112	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47698-003
Batch: 47698
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	102	17	60-140	20	05/28/2014 2057
Benzene	50	45		1	90	11	70-130	20	05/28/2014 2057
Bromodichloromethane	50	43		1	87	15	70-130	20	05/28/2014 2057
Bromoform	50	46		1	92	1.8	70-130	20	05/28/2014 2057
Bromomethane (Methyl bromide)	50	42		1	83	6.8	60-140	20	05/28/2014 2057
2-Butanone (MEK)	100	120	+	1	117	35	60-140	20	05/28/2014 2057
Carbon disulfide	50	42		1	84	2.5	60-140	20	05/28/2014 2057
Carbon tetrachloride	50	46		1	91	3.2	70-130	20	05/28/2014 2057
Chlorobenzene	50	45		1	90	4.8	70-130	20	05/28/2014 2057
Chloroethane	50	43		1	86	1.3	42-163	20	05/28/2014 2057
Chloroform	50	46		1	91	3.1	70-130	20	05/28/2014 2057
Chloromethane (Methyl chloride)	50	42		1	85	8.9	60-140	20	05/28/2014 2057
Cyclohexane	50	45		1	90	0.95	70-130	20	05/28/2014 2057
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	99	9.8	70-130	20	05/28/2014 2057
Dibromochloromethane	50	47		1	93	0.36	70-130	20	05/28/2014 2057
1,2-Dibromoethane (EDB)	50	48		1	96	0.69	70-130	20	05/28/2014 2057
1,2-Dichlorobenzene	50	46		1	92	1.3	70-130	20	05/28/2014 2057
1,3-Dichlorobenzene	50	45		1	90	2.3	70-130	20	05/28/2014 2057
1,4-Dichlorobenzene	50	46		1	91	0.39	70-130	20	05/28/2014 2057
Dichlorodifluoromethane	50	42		1	85	7.8	60-140	20	05/28/2014 2057
1,2-Dichloroethane	50	50		1	100	12	70-130	20	05/28/2014 2057
1,1-Dichloroethane	50	45		1	90	7.2	70-130	20	05/28/2014 2057
trans-1,2-Dichloroethene	50	43		1	86	3.9	70-130	20	05/28/2014 2057
cis-1,2-Dichloroethene	50	45		1	90	6.0	70-130	20	05/28/2014 2057
1,1-Dichloroethene	50	43		1	85	4.4	70-130	20	05/28/2014 2057
1,2-Dichloropropane	50	46		1	92	15	70-130	20	05/28/2014 2057
trans-1,3-Dichloropropene	50	47		1	93	4.0	70-130	20	05/28/2014 2057
cis-1,3-Dichloropropene	50	47		1	95	17	70-130	20	05/28/2014 2057
Ethylbenzene	50	45		1	90	5.0	70-130	20	05/28/2014 2057
2-Hexanone	100	91		1	91	0.16	60-140	20	05/28/2014 2057
Isopropylbenzene	50	45		1	91	2.2	70-130	20	05/28/2014 2057
Methyl acetate	50	54	+	1	107	21	70-130	20	05/28/2014 2057
Methyl tertiary butyl ether (MTBE)	50	49		1	97	17	70-130	20	05/28/2014 2057
4-Methyl-2-pentanone	100	97		1	97	5.8	60-140	20	05/28/2014 2057
Methylcyclohexane	50	39		1	79	7.9	70-130	20	05/28/2014 2057
Methylene chloride	50	48		1	95	2.9	70-130	20	05/28/2014 2057
Styrene	50	45		1	90	2.8	70-130	20	05/28/2014 2057
1,1,2,2-Tetrachloroethane	50	41		1	81	14	70-130	20	05/28/2014 2057
Tetrachloroethene	50	45		1	90	5.8	70-130	20	05/28/2014 2057
Toluene	50	46		1	91	18	70-130	20	05/28/2014 2057
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	101	6.3	70-130	20	05/28/2014 2057
1,2,4-Trichlorobenzene	50	45		1	91	12	70-130	20	05/28/2014 2057
1,1,1-Trichloroethane	50	44		1	88	6.4	70-130	20	05/28/2014 2057
1,1,2-Trichloroethane	50	44		1	89	1.3	70-130	20	05/28/2014 2057

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47698-003
Batch: 47698
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	4.8	70-130	20	05/28/2014 2057
Trichlorofluoromethane	50	47		1	93	2.8	70-130	20	05/28/2014 2057
Vinyl chloride	50	44		1	88	7.6	70-130	20	05/28/2014 2057
Xylenes (total)	100	90		1	90	4.1	70-130	20	05/28/2014 2057

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 19200

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Chevis Strange	Quote No.
Address: 128 Millport Circle, Ste 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 1
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 33764587.00002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 vocs	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative
SB-59 (2-3')	5/19/14	1500	G				✓		✓	✓	4	A	1
SB-59 (3-4')		1515	G				✓		✓	✓			
SB-60 (3-4')		1535	G				✓		✓	✓			
SB-60 (4-5')		1545	G				✓		✓	✓			
Rinsate	↓		G					✓	✓				

PE22009

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Relinquished by / Sampler	Date	Time	Received by	Date	Time
1.	Aaron B. Council	5/21/14	1125	CT	5/21/14	1145
2.						
3.						
4.	CT	5/21/14	1607	Kelly W.R.	5-21-14	1602

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 2.2 °C
Temp. Blank ☐ Y / ☑ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
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Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP 1 5-22-14 Lot #: PE22090

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 12.1/12.2 °C ___/___ °C ___/___ °C ___/___ °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: KWP Verified by:_____ Date: 5-22-14			

Comments:

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PE23059

Date Completed: 05/30/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

PE23059

Case Narrative
URS Corporation
Lot Number: PE23059

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

TCLP VOCs

The MS/MSD associated with batch 47717 recovered Trichloroethene above method criteria due to matrix interferences. The MS/MSD had similar recoveries for this compound and all other QC passed further illustrating matrix interferences impacted the recovery.

Sample Summary
URS Corporation
Lot Number: PE23059

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Drums 6, 7, 8, 9	Solid	05/22/2014 1115	05/23/2014
002	Drums 12, 13, 14, 15, 16, 17 &18	Aqueous	05/22/2014 1125	05/23/2014
003	Drums 30 & 31	Solid	05/22/2014 1135	05/23/2014
004	Drums 32, 33, 34, 35, 36, 37, & 38	Aqueous	05/22/2014 1145	05/23/2014
005	Trip Blank 5/22/14	Aqueous	05/22/2014	05/23/2014
006	Drum 48	Aqueous	05/22/2014 1445	05/23/2014
007	Drum 49	Aqueous	05/22/2014 1450	05/23/2014
008	Drum 50	Aqueous	05/22/2014 1455	05/23/2014
009	Drum 51	Aqueous	05/22/2014 1500	05/23/2014
010	Drum 52	Aqueous	05/22/2014 1505	05/23/2014
011	Drum 53	Aqueous	05/22/2014 1510	05/23/2014
012	Drum 54	Aqueous	05/22/2014 1515	05/23/2014

(12 samples)

Executive Summary

URS Corporation

Lot Number: PE23059

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	Drums 12, 13, 14, 15, 16, 17	Aqueous	Chloroform	8260B	0.0040	J	mg/L	6
004	Drums 32, 33, 34, 35, 36,	Aqueous	Chloroform	8260B	0.0030	J	mg/L	8
004	Drums 32, 33, 34, 35, 36,	Aqueous	Tetrachloroethene	8260B	0.0090	J	mg/L	8
006	Drum 48	Aqueous	Tetrachloroethene	8260B	0.027	J	mg/L	11
007	Drum 49	Aqueous	Tetrachloroethene	8260B	0.0040	J	mg/L	12
009	Drum 51	Aqueous	Chloroform	8260B	0.0040	J	mg/L	14
010	Drum 52	Aqueous	Chloroform	8260B	0.0040	J	mg/L	15
011	Drum 53	Aqueous	Chloroform	8260B	0.0030	J	mg/L	16
011	Drum 53	Aqueous	Tetrachloroethene	8260B	0.0040	J	mg/L	16
012	Drum 54	Aqueous	Chloroform	8260B	0.0040	J	mg/L	17
012	Drum 54	Aqueous	Tetrachloroethene	8260B	0.60		mg/L	17

(11 detections)

Client: URS Corporation
Description: Drums 6, 7, 8, 9
Date Sampled: 05/22/2014 1115
Date Received: 05/23/2014

Laboratory ID: PE23059-001
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/30/2014 0429	PMM2		47822	05/28/2014 2340

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 12, 13, 14, 15, 16, 17 &18
Date Sampled: 05/22/2014 1125
Date Received: 05/23/2014

Laboratory ID: PE23059-002
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1511	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0040	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 30 & 31
Date Sampled: 05/22/2014 1135
Date Received: 05/23/2014

Laboratory ID: PE23059-003
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/30/2014 0452	PMM2		47822	05/28/2014 2340

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 32, 33, 34, 35, 36, 37, & 38
Date Sampled: 05/22/2014 1145
Date Received: 05/23/2014

Laboratory ID: PE23059-004
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1534	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0030	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	0.0090	J	0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		113	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/22/14
Date Sampled: 05/22/2014
Date Received: 05/23/2014

Laboratory ID: PE23059-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/29/2014 1448	ALL		47716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/22/14
Date Sampled: 05/22/2014
Date Received: 05/23/2014

Laboratory ID: PE23059-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/29/2014 1448	ALL		47716

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 48
Date Sampled: 05/22/2014 1445
Date Received: 05/23/2014

Laboratory ID: PE23059-006
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1557	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	0.027	J	0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 49
Date Sampled: 05/22/2014 1450
Date Received: 05/23/2014

Laboratory ID: PE23059-007
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1621	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	0.0040	J	0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 50
Date Sampled: 05/22/2014 1455
Date Received: 05/23/2014

Laboratory ID: PE23059-008
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1644	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 51
Date Sampled: 05/22/2014 1500
Date Received: 05/23/2014

Laboratory ID: PE23059-009
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1707	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0040	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 52
Date Sampled: 05/22/2014 1505
Date Received: 05/23/2014

Laboratory ID: PE23059-010
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1731	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0040	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 53
Date Sampled: 05/22/2014 1510
Date Received: 05/23/2014

Laboratory ID: PE23059-011
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1754	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0030	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	0.0040	J	0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		87	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 54
Date Sampled: 05/22/2014 1515
Date Received: 05/23/2014

Laboratory ID: PE23059-012
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/29/2014 1818	ALL		47717	05/28/2014 2355

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0040	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	0.60		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47716-001
Batch: 47716
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	05/29/2014 1030
Benzene	ND		1	5.0	0.20	ug/L	05/29/2014 1030
Bromodichloromethane	ND		1	5.0	1.7	ug/L	05/29/2014 1030
Bromoform	ND		1	5.0	0.40	ug/L	05/29/2014 1030
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	05/29/2014 1030
2-Butanone (MEK)	ND		1	10	1.8	ug/L	05/29/2014 1030
Carbon disulfide	ND		1	5.0	0.30	ug/L	05/29/2014 1030
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	05/29/2014 1030
Chlorobenzene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
Chloroethane	ND		1	5.0	0.50	ug/L	05/29/2014 1030
Chloroform	ND		1	5.0	1.7	ug/L	05/29/2014 1030
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	05/29/2014 1030
Cyclohexane	ND		1	5.0	0.98	ug/L	05/29/2014 1030
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	05/29/2014 1030
Dibromochloromethane	ND		1	5.0	1.7	ug/L	05/29/2014 1030
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	05/29/2014 1030
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	05/29/2014 1030
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	05/29/2014 1030
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	05/29/2014 1030
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	05/29/2014 1030
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	05/29/2014 1030
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	05/29/2014 1030
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	05/29/2014 1030
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/29/2014 1030
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/29/2014 1030
Ethylbenzene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
2-Hexanone	ND		1	10	1.0	ug/L	05/29/2014 1030
Isopropylbenzene	ND		1	5.0	1.0	ug/L	05/29/2014 1030
Methyl acetate	ND		1	5.0	0.72	ug/L	05/29/2014 1030
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	05/29/2014 1030
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	05/29/2014 1030
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/29/2014 1030
Methylene chloride	ND		1	5.0	1.7	ug/L	05/29/2014 1030
Styrene	ND		1	5.0	0.10	ug/L	05/29/2014 1030
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	05/29/2014 1030
Tetrachloroethene	ND		1	5.0	0.40	ug/L	05/29/2014 1030
Toluene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	05/29/2014 1030
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	05/29/2014 1030
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	05/29/2014 1030
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	05/29/2014 1030

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47716-001
Batch: 47716
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	05/29/2014 1030
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	05/29/2014 1030
Vinyl chloride	ND		1	2.0	0.10	ug/L	05/29/2014 1030
Xylenes (total)	ND		1	5.0	1.7	ug/L	05/29/2014 1030

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47716-002
Batch: 47716
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	88		1	88	60-140	05/29/2014 0855
Benzene	50	55		1	111	70-130	05/29/2014 0855
Bromodichloromethane	50	52		1	104	70-130	05/29/2014 0855
Bromoform	50	49		1	97	70-130	05/29/2014 0855
Bromomethane (Methyl bromide)	50	57		1	113	60-140	05/29/2014 0855
2-Butanone (MEK)	100	110		1	114	60-140	05/29/2014 0855
Carbon disulfide	50	49		1	98	60-140	05/29/2014 0855
Carbon tetrachloride	50	55		1	110	70-130	05/29/2014 0855
Chlorobenzene	50	53		1	105	70-130	05/29/2014 0855
Chloroethane	50	55		1	111	42-163	05/29/2014 0855
Chloroform	50	55		1	110	70-130	05/29/2014 0855
Chloromethane (Methyl chloride)	50	51		1	103	60-140	05/29/2014 0855
Cyclohexane	50	55		1	109	70-130	05/29/2014 0855
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	05/29/2014 0855
Dibromochloromethane	50	51		1	101	70-130	05/29/2014 0855
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	05/29/2014 0855
1,3-Dichlorobenzene	50	50		1	101	70-130	05/29/2014 0855
1,4-Dichlorobenzene	50	50		1	100	70-130	05/29/2014 0855
1,2-Dichlorobenzene	50	49		1	98	70-130	05/29/2014 0855
Dichlorodifluoromethane	50	53		1	107	60-140	05/29/2014 0855
1,2-Dichloroethane	50	56		1	112	70-130	05/29/2014 0855
1,1-Dichloroethane	50	50		1	101	70-130	05/29/2014 0855
trans-1,2-Dichloroethene	50	46		1	92	70-130	05/29/2014 0855
1,1-Dichloroethene	50	51		1	103	70-130	05/29/2014 0855
cis-1,2-Dichloroethene	50	53		1	106	70-130	05/29/2014 0855
1,2-Dichloropropane	50	56		1	112	70-130	05/29/2014 0855
trans-1,3-Dichloropropene	50	52		1	104	70-130	05/29/2014 0855
cis-1,3-Dichloropropene	50	58		1	116	70-130	05/29/2014 0855
Ethylbenzene	50	53		1	106	70-130	05/29/2014 0855
2-Hexanone	100	100		1	102	60-140	05/29/2014 0855
Isopropylbenzene	50	51		1	101	70-130	05/29/2014 0855
Methyl acetate	50	52		1	104	70-130	05/29/2014 0855
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	05/29/2014 0855
4-Methyl-2-pentanone	100	110		1	106	60-140	05/29/2014 0855
Methylcyclohexane	50	47		1	94	70-130	05/29/2014 0855
Methylene chloride	50	56		1	113	70-130	05/29/2014 0855
Styrene	50	51		1	103	70-130	05/29/2014 0855
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	05/29/2014 0855
Tetrachloroethene	50	53		1	107	70-130	05/29/2014 0855
Toluene	50	58		1	115	70-130	05/29/2014 0855
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	65		1	130	70-130	05/29/2014 0855
1,2,4-Trichlorobenzene	50	44		1	88	70-130	05/29/2014 0855
1,1,2-Trichloroethane	50	49		1	99	70-130	05/29/2014 0855
1,1,1-Trichloroethane	50	54		1	107	70-130	05/29/2014 0855

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47716-002
Batch: 47716
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	56		1	113	70-130	05/29/2014 0855
Trichlorofluoromethane	50	57		1	113	70-130	05/29/2014 0855
Vinyl chloride	50	56		1	112	70-130	05/29/2014 0855
Xylenes (total)	100	100		1	103	70-130	05/29/2014 0855

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		84	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47716-003
Batch: 47716
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120	+	1	119	29	60-140	20	05/29/2014 0919
Benzene	50	50		1	100	11	70-130	20	05/29/2014 0919
Bromodichloromethane	50	48		1	95	9.4	70-130	20	05/29/2014 0919
Bromoform	50	49		1	97	0.34	70-130	20	05/29/2014 0919
Bromomethane (Methyl bromide)	50	49		1	99	14	60-140	20	05/29/2014 0919
2-Butanone (MEK)	100	130		1	129	13	60-140	20	05/29/2014 0919
Carbon disulfide	50	45		1	89	9.1	60-140	20	05/29/2014 0919
Carbon tetrachloride	50	50		1	99	10	70-130	20	05/29/2014 0919
Chlorobenzene	50	50		1	100	5.1	70-130	20	05/29/2014 0919
Chloroethane	50	48		1	97	13	42-163	20	05/29/2014 0919
Chloroform	50	48		1	97	12	70-130	20	05/29/2014 0919
Chloromethane (Methyl chloride)	50	45		1	90	14	60-140	20	05/29/2014 0919
Cyclohexane	50	47		1	94	15	70-130	20	05/29/2014 0919
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	106	14	70-130	20	05/29/2014 0919
Dibromochloromethane	50	49		1	99	2.9	70-130	20	05/29/2014 0919
1,2-Dibromoethane (EDB)	50	52		1	104	2.4	70-130	20	05/29/2014 0919
1,3-Dichlorobenzene	50	49		1	99	2.1	70-130	20	05/29/2014 0919
1,4-Dichlorobenzene	50	49		1	98	1.7	70-130	20	05/29/2014 0919
1,2-Dichlorobenzene	50	50		1	100	1.4	70-130	20	05/29/2014 0919
Dichlorodifluoromethane	50	47		1	94	13	60-140	20	05/29/2014 0919
1,2-Dichloroethane	50	51		1	102	9.8	70-130	20	05/29/2014 0919
1,1-Dichloroethane	50	46		1	93	8.3	70-130	20	05/29/2014 0919
trans-1,2-Dichloroethene	50	46		1	92	0.026	70-130	20	05/29/2014 0919
1,1-Dichloroethene	50	46		1	91	12	70-130	20	05/29/2014 0919
cis-1,2-Dichloroethene	50	48		1	96	9.6	70-130	20	05/29/2014 0919
1,2-Dichloropropane	50	50		1	100	11	70-130	20	05/29/2014 0919
trans-1,3-Dichloropropene	50	50		1	100	4.5	70-130	20	05/29/2014 0919
cis-1,3-Dichloropropene	50	52		1	104	11	70-130	20	05/29/2014 0919
Ethylbenzene	50	49		1	99	6.7	70-130	20	05/29/2014 0919
2-Hexanone	100	100		1	105	2.3	60-140	20	05/29/2014 0919
Isopropylbenzene	50	50		1	100	1.3	70-130	20	05/29/2014 0919
Methyl acetate	50	53		1	106	2.0	70-130	20	05/29/2014 0919
Methyl tertiary butyl ether (MTBE)	50	48		1	95	8.2	70-130	20	05/29/2014 0919
4-Methyl-2-pentanone	100	110		1	106	0.086	60-140	20	05/29/2014 0919
Methylcyclohexane	50	45		1	89	4.9	70-130	20	05/29/2014 0919
Methylene chloride	50	48		1	96	16	70-130	20	05/29/2014 0919
Styrene	50	50		1	100	3.0	70-130	20	05/29/2014 0919
1,1,2,2-Tetrachloroethane	50	51		1	103	2.6	70-130	20	05/29/2014 0919
Tetrachloroethene	50	50		1	100	6.4	70-130	20	05/29/2014 0919
Toluene	50	50		1	100	14	70-130	20	05/29/2014 0919
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	14	70-130	20	05/29/2014 0919
1,2,4-Trichlorobenzene	50	47		1	94	7.0	70-130	20	05/29/2014 0919
1,1,2-Trichloroethane	50	47		1	95	4.0	70-130	20	05/29/2014 0919
1,1,1-Trichloroethane	50	48		1	95	12	70-130	20	05/29/2014 0919

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47716-003
Batch: 47716
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	101	11	70-130	20	05/29/2014 0919
Trichlorofluoromethane	50	51		1	102	10	70-130	20	05/29/2014 0919
Vinyl chloride	50	48		1	96	16	70-130	20	05/29/2014 0919
Xylenes (total)	100	100		1	100	2.3	70-130	20	05/29/2014 0919

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		81	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ47717-001
Batch: 47717
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2355

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	05/29/2014 1030
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	05/29/2014 1030
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	05/29/2014 1030
Chlorobenzene	ND		10	0.050	0.0020	mg/L	05/29/2014 1030
Chloroform	ND		10	0.050	0.0030	mg/L	05/29/2014 1030
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	05/29/2014 1030
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	05/29/2014 1030
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	05/29/2014 1030
Trichloroethene	ND		10	0.050	0.0030	mg/L	05/29/2014 1030
Vinyl chloride	ND		10	0.010	0.0010	mg/L	05/29/2014 1030

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ47717-002
Batch: 47717
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2355

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.55		10	111	72-127	05/29/2014 0855
2-Butanone (MEK)	1.0	1.1		10	114	60-140	05/29/2014 0855
Carbon tetrachloride	0.50	0.55		10	109	37-166	05/29/2014 0855
Chlorobenzene	0.50	0.53		10	105	78-129	05/29/2014 0855
Chloroform	0.50	0.55		10	109	63-123	05/29/2014 0855
1,2-Dichloroethane	0.50	0.56		10	112	59-143	05/29/2014 0855
1,1-Dichloroethene	0.50	0.51		10	103	50-132	05/29/2014 0855
Tetrachloroethene	0.50	0.53		10	107	70-130	05/29/2014 0855
Trichloroethene	0.50	0.56		10	113	73-124	05/29/2014 0855
Vinyl chloride	0.50	0.56		10	112	29-159	05/29/2014 0855

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		84	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCSD

Sample ID: PQ47717-003
Batch: 47717
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2355

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Benzene	0.50	0.50		10	99	11	72-127	20	05/29/2014 0919
2-Butanone (MEK)	1.0	1.3		10	129	13	60-140	20	05/29/2014 0919
Carbon tetrachloride	0.50	0.50		10	99	10	37-166	20	05/29/2014 0919
Chlorobenzene	0.50	0.50		10	100	5.1	78-129	20	05/29/2014 0919
Chloroform	0.50	0.48		10	97	12	63-123	20	05/29/2014 0919
1,2-Dichloroethane	0.50	0.51		10	102	9.7	59-143	20	05/29/2014 0919
1,1-Dichloroethene	0.50	0.46		10	91	12	50-132	20	05/29/2014 0919
Tetrachloroethene	0.50	0.50		10	100	6.4	70-130	20	05/29/2014 0919
Trichloroethene	0.50	0.50		10	101	11	73-124	20	05/29/2014 0919
Vinyl chloride	0.50	0.48		10	96	16	29-159	20	05/29/2014 0919

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		81	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: PE23059-012MS
Batch: 47717
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B
Leachate Date: 05/28/2014 2355

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.55		10	110	70-127	05/29/2014 1841
2-Butanone (MEK)	ND	1.0	1.1		10	110	60-140	05/29/2014 1841
Carbon tetrachloride	ND	0.50	0.60		10	119	37-166	05/29/2014 1841
Chlorobenzene	ND	0.50	0.52		10	103	78-129	05/29/2014 1841
Chloroform	0.0040	0.50	0.53		10	105	63-123	05/29/2014 1841
1,2-Dichloroethane	ND	0.50	0.52		10	104	59-143	05/29/2014 1841
1,1-Dichloroethene	ND	0.50	0.57		10	113	50-132	05/29/2014 1841
Tetrachloroethene	0.60	0.50	1.2		10	110	70-130	05/29/2014 1841
Trichloroethene	ND	0.50	0.85	N	10	170	73-124	05/29/2014 1841
Vinyl chloride	ND	0.50	0.56		10	113	29-159	05/29/2014 1841

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		107	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MSD

Sample ID: PE23059-012MD
Batch: 47717
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2355

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Benzene	ND	0.50	0.54		10	108	1.6	70-127	20	05/29/2014 1904
2-Butanone (MEK)	ND	1.0	1.3		10	134	20	60-140	20	05/29/2014 1904
Carbon tetrachloride	ND	0.50	0.59		10	119	0.67	37-166	20	05/29/2014 1904
Chlorobenzene	ND	0.50	0.52		10	104	0.58	78-129	20	05/29/2014 1904
Chloroform	0.0040	0.50	0.56		10	111	5.7	63-123	20	05/29/2014 1904
1,2-Dichloroethane	ND	0.50	0.56		10	113	8.5	59-143	20	05/29/2014 1904
1,1-Dichloroethene	ND	0.50	0.56		10	112	1.4	50-132	20	05/29/2014 1904
Tetrachloroethene	0.60	0.50	1.2		10	112	0.52	70-130	20	05/29/2014 1904
Trichloroethene	ND	0.50	0.84	N	10	167	1.4	73-124	20	05/29/2014 1904
Vinyl chloride	ND	0.50	0.56		10	112	1.2	29-159	20	05/29/2014 1904

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		80	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ47822-001
Batch: 47822
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 05/28/2014 2340

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	05/30/2014 0406
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	05/30/2014 0406
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	05/30/2014 0406
Chlorobenzene	ND		10	0.050	0.0020	mg/L	05/30/2014 0406
Chloroform	ND		10	0.050	0.0030	mg/L	05/30/2014 0406
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	05/30/2014 0406
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	05/30/2014 0406
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	05/30/2014 0406
Trichloroethene	ND		10	0.050	0.0030	mg/L	05/30/2014 0406
Vinyl chloride	ND		10	0.010	0.0010	mg/L	05/30/2014 0406

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ47822-002
Batch: 47822
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2340

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.48		10	96	72-127	05/30/2014 0539
2-Butanone (MEK)	1.0	0.78		10	78	60-140	05/30/2014 0539
Carbon tetrachloride	0.50	0.49		10	98	37-166	05/30/2014 0539
Chlorobenzene	0.50	0.49		10	99	78-129	05/30/2014 0539
Chloroform	0.50	0.47		10	94	63-123	05/30/2014 0539
1,2-Dichloroethane	0.50	0.46		10	91	59-143	05/30/2014 0539
1,1-Dichloroethene	0.50	0.44		10	88	50-132	05/30/2014 0539
Tetrachloroethene	0.50	0.49		10	98	70-130	05/30/2014 0539
Trichloroethene	0.50	0.49		10	99	73-124	05/30/2014 0539
Vinyl chloride	0.50	0.45		10	90	29-159	05/30/2014 0539

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		82	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 31075

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Chevis Strange
Address: 128 Millport Circle Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.
City: Greenville / State: SC / Zip Code: 29607		
Project Name: Itron		
Project Number: 33764587.00002	P.O Number	

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCl 6. Na Thio. 7. NaOH

Quote No.

Page 1 of 2

Number of Containers: 1 M 1

Bottle (See Instructions on back)

Preservative

PE23059

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: TCLP VOCs	8260 VOCs
Drums 6,7,8,9	5/22/14	1115	C				✓		✓	
Drums 12,13,14,15,16,17&18		1125	C				✓		✓	
Drums 30&31		1135	C				✓		✓	
Drums 32,33,34,35,36,37&38	↓	1145	C					✓	✓	
Trip Blank 5/22/14								✓		✓
Drum 48	5/22/14	1445	C					✓	✓	
Drum 49		1450	C					✓	✓	
Drum 50		1455	C					✓	✓	
Drum 51		1500	C					✓	✓	
Drum 52	↓	1505	C					✓	✓	

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ✓ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron B. Council	5/23/14	1125	1. Received by: CT	5/25/14	1125
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: CT	5/23/14	Time 1600	4. Laboratory Received by: Kelly W.R.	Date 5-23-14	Time 1600

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack | Receipt Temp: 3.3 °C | Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 19194

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Chevis Strange	Quote No.
Address: 128 Millport Circle, Ste 100	Telephone No. / Fax No. / Email: 864-521-4737 aaron.council@urs.com	Waybill No.	Page: 2 of 2
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle (See Instructions on back) / Preservative
Project Name: Itron			
Project Number: 33764587.00002	P.O Number:		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: TCLP VOCs	Bottle	Preservative
Drum-53	5/22/14	1510	C						✓	1	
Drum 54	↓	1515	C						✓	1	
										M	
										1	

PE23059

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron B. Council	5/23/14	1126	1. Received by:	5/23/14	1126
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	5/23/14	1600	4. Laboratory Received by: Kelly WR	5-23-14	1600

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY: Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack | Receipt Temp. 3.3 °C | Temp. Blank ☐ Y ✓ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc
Document Number: F-AD-016
Revision Number: 14

Page 1 of 1
Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP /5-23-14 Lot #: PE23059

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: /3.2/3.3 °C / / °C / / °C / / °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: KWP Verified by:_____ Date: 5-23-14			

Comments:

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PE22008

Date Completed: 06/02/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P E 2 2 0 0 8 *

Case Narrative
URS Corporation
Lot Number: PE22008

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

TCLP VOCs

The 2 oz glass sample container associated with sample -007 was dropped and broken by the analyst. Per client, the sample will be recollected.

Sample Summary
URS Corporation
Lot Number: PE22008

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-16D (6-7')	Solid	05/19/2014 1300	05/21/2014
002	MW-16D (22-23')	Solid	05/19/2014 1315	05/21/2014
003	Drums 41, 42, 43, 44, & 45	Solid	05/19/2014 1445	05/21/2014
004	MW-16 (3-4')	Solid	05/20/2014 1030	05/21/2014
005	MW-16 (19-20')	Solid	05/20/2014 1040	05/21/2014
006	DUP-9	Solid	05/20/2014 1045	05/21/2014
007	Drums 39-40	Solid	05/20/2014 1100	05/21/2014
008	Trip Blank 5/20/14	Aqueous	05/20/2014	05/21/2014

(8 samples)

Executive Summary

URS Corporation

Lot Number: PE22008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-16D (6-7')	Solid	Tetrachloroethene	8260B	1.8	J	ug/kg	5
002	MW-16D (22-23')	Solid	Tetrachloroethene	8260B	0.69	J	ug/kg	7
004	MW-16 (3-4')	Solid	Tetrachloroethene	8260B	1.2	J	ug/kg	10
005	MW-16 (19-20')	Solid	Tetrachloroethene	8260B	1.1	J	ug/kg	12
006	DUP-9	Solid	Tetrachloroethene	8260B	1.2	J	ug/kg	14

(5 detections)

Client: URS Corporation
Description: MW-16D (6-7')
Date Sampled: 05/19/2014 1300
Date Received: 05/21/2014

Laboratory ID: PE22008-001
Matrix: Solid
% Solids: 68.8 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1536	JJG		47481	5.74

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.5	ug/kg	1
Benzene	71-43-2	8260B	ND		6.3	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.3	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.3	0.89	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.3	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.3	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.3	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.3	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.3	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.3	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.3	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.3	0.85	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.3	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.3	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.3	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.3	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.3	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.3	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.3	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.3	0.92	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.3	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.3	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.3	0.96	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.3	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.3	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.3	0.86	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.3	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.3	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.3	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.3	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.3	0.51	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.3	0.52	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.3	3.3	ug/kg	1
Styrene	100-42-5	8260B	ND		6.3	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.3	0.60	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.8	J	6.3	0.63	ug/kg	1
Toluene	108-88-3	8260B	ND		6.3	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16D (6-7')
Date Sampled: 05/19/2014 1300
Date Received: 05/21/2014

Laboratory ID: PE22008-001
Matrix: Solid
% Solids: 68.8 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1536	JJG		47481	5.74

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.3	0.80	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.3	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.3	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.3	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.3	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.3	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.3	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.3	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16D (22-23')
Date Sampled: 05/19/2014 1315
Date Received: 05/21/2014

Laboratory ID: PE22008-002
Matrix: Solid
% Solids: 74.7 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1559	JJG		47481	8.04

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		17	5.6	ug/kg	1
Benzene	71-43-2	8260B	ND		4.2	0.92	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.2	1.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.2	0.58	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.2	1.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.3	2.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.2	1.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.2	1.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.2	1.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.2	1.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.2	0.69	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.2	0.83	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.2	0.56	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.2	1.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.2	1.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.2	0.71	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.2	1.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.2	1.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.2	1.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.2	1.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.2	0.61	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.2	0.83	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.2	1.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.2	0.63	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.2	1.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.2	0.76	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.2	0.57	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.2	0.68	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.2	1.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.3	1.1	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.2	0.19	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.2	0.82	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.2	0.33	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.3	1.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.2	0.34	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.2	2.2	ug/kg	1
Styrene	100-42-5	8260B	ND		4.2	0.92	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.2	0.39	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.69	J	4.2	0.42	ug/kg	1
Toluene	108-88-3	8260B	ND		4.2	1.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16D (22-23')
Date Sampled: 05/19/2014 1315
Date Received: 05/21/2014

Laboratory ID: PE22008-002
Matrix: Solid
% Solids: 74.7 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1559	JJG		47481	8.04

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.2	0.52	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.2	1.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.2	0.71	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.2	0.66	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.2	1.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.2	1.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.2	0.72	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.2	2.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 41, 42, 43, 44, & 45
Date Sampled: 05/19/2014 1445
Date Received: 05/21/2014

Laboratory ID: PE22008-003
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/30/2014 0515	PMM2		47822	05/28/2014 2340

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16 (3-4')
Date Sampled: 05/20/2014 1030
Date Received: 05/21/2014

Laboratory ID: PE22008-004
Matrix: Solid
% Solids: 74.9 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1623	JJG		47481	5.93

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.5	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.79	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.93	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	0.76	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.86	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.77	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.46	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.2	J	5.6	0.56	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16 (3-4')
Date Sampled: 05/20/2014 1030
Date Received: 05/21/2014

Laboratory ID: PE22008-004
Matrix: Solid
% Solids: 74.9 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1623	JJG		47481	5.93

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	0.71	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	0.97	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16 (19-20')
Date Sampled: 05/20/2014 1040
Date Received: 05/21/2014

Laboratory ID: PE22008-005
Matrix: Solid
% Solids: 78.9 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1646	JJG		47481	6.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.6	ug/kg	1
Benzene	71-43-2	8260B	ND		4.9	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.9	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.9	0.69	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.9	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.9	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.9	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.9	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.9	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.9	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.9	0.82	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.9	0.99	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.9	0.66	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.9	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.9	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.9	0.84	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.9	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.9	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.9	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.9	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.9	0.72	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.9	0.99	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.9	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.9	0.75	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.9	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.9	0.90	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.9	0.67	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.9	0.81	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.9	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.9	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.9	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.9	0.97	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.9	0.39	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.9	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.9	0.40	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.9	2.6	ug/kg	1
Styrene	100-42-5	8260B	ND		4.9	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.9	0.46	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.1	J	4.9	0.49	ug/kg	1
Toluene	108-88-3	8260B	ND		4.9	1.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16 (19-20')
Date Sampled: 05/20/2014 1040
Date Received: 05/21/2014

Laboratory ID: PE22008-005
Matrix: Solid
% Solids: 78.9 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1646	JJG		47481	6.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.9	0.62	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.9	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.9	0.84	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.9	0.78	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.9	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.9	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.9	0.85	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.9	2.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-9
Date Sampled: 05/20/2014 1045
Date Received: 05/21/2014

Laboratory ID: PE22008-006
Matrix: Solid
% Solids: 72.5 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1709	JJG		47481	6.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	7.2	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.75	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.89	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	0.72	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.91	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.78	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.82	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.98	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.73	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.88	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.43	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	0.44	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.50	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.2	J	5.4	0.54	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-9
Date Sampled: 05/20/2014 1045
Date Received: 05/21/2014

Laboratory ID: PE22008-006
Matrix: Solid
% Solids: 72.5 05/22/2014 2147

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/25/2014 1709	JJG		47481	6.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	0.68	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.91	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.85	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.4	0.92	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		85	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/20/14
Date Sampled: 05/20/2014
Date Received: 05/21/2014

Laboratory ID: PE22008-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2014 1421	PMM2		47477

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/20/14
Date Sampled: 05/20/2014
Date Received: 05/21/2014

Laboratory ID: PE22008-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2014 1421	PMM2		47477

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47477-001
Batch: 47477
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	05/25/2014 1247
Benzene	ND		1	5.0	0.20	ug/L	05/25/2014 1247
Bromodichloromethane	ND		1	5.0	1.7	ug/L	05/25/2014 1247
Bromoform	ND		1	5.0	0.40	ug/L	05/25/2014 1247
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	05/25/2014 1247
2-Butanone (MEK)	ND		1	10	1.8	ug/L	05/25/2014 1247
Carbon disulfide	ND		1	5.0	0.30	ug/L	05/25/2014 1247
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	05/25/2014 1247
Chlorobenzene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
Chloroethane	ND		1	5.0	0.50	ug/L	05/25/2014 1247
Chloroform	ND		1	5.0	1.7	ug/L	05/25/2014 1247
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	05/25/2014 1247
Cyclohexane	ND		1	5.0	0.98	ug/L	05/25/2014 1247
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	05/25/2014 1247
Dibromochloromethane	ND		1	5.0	1.7	ug/L	05/25/2014 1247
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	05/25/2014 1247
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	05/25/2014 1247
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	05/25/2014 1247
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	05/25/2014 1247
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	05/25/2014 1247
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	05/25/2014 1247
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	05/25/2014 1247
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	05/25/2014 1247
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/25/2014 1247
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/25/2014 1247
Ethylbenzene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
2-Hexanone	ND		1	10	1.0	ug/L	05/25/2014 1247
Isopropylbenzene	ND		1	5.0	1.0	ug/L	05/25/2014 1247
Methyl acetate	ND		1	5.0	0.72	ug/L	05/25/2014 1247
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	05/25/2014 1247
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	05/25/2014 1247
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/25/2014 1247
Methylene chloride	ND		1	5.0	1.7	ug/L	05/25/2014 1247
Styrene	ND		1	5.0	0.10	ug/L	05/25/2014 1247
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	05/25/2014 1247
Tetrachloroethene	ND		1	5.0	0.40	ug/L	05/25/2014 1247
Toluene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	05/25/2014 1247
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	05/25/2014 1247
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	05/25/2014 1247
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	05/25/2014 1247

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47477-001
Batch: 47477
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	05/25/2014 1247
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	05/25/2014 1247
Vinyl chloride	ND		1	2.0	0.10	ug/L	05/25/2014 1247
Xylenes (total)	ND		1	5.0	1.7	ug/L	05/25/2014 1247

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47477-002
Batch: 47477
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	105	60-140	05/25/2014 1113
Benzene	50	50		1	101	70-130	05/25/2014 1113
Bromodichloromethane	50	48		1	96	70-130	05/25/2014 1113
Bromoform	50	50		1	100	70-130	05/25/2014 1113
Bromomethane (Methyl bromide)	50	51		1	101	60-140	05/25/2014 1113
2-Butanone (MEK)	100	95		1	95	60-140	05/25/2014 1113
Carbon disulfide	50	49		1	98	60-140	05/25/2014 1113
Carbon tetrachloride	50	51		1	102	70-130	05/25/2014 1113
Chlorobenzene	50	51		1	102	70-130	05/25/2014 1113
Chloroethane	50	48		1	96	42-163	05/25/2014 1113
Chloroform	50	50		1	99	70-130	05/25/2014 1113
Chloromethane (Methyl chloride)	50	47		1	93	60-140	05/25/2014 1113
Cyclohexane	50	54		1	108	70-130	05/25/2014 1113
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	99	70-130	05/25/2014 1113
Dibromochloromethane	50	51		1	102	70-130	05/25/2014 1113
1,2-Dibromoethane (EDB)	50	51		1	102	70-130	05/25/2014 1113
1,4-Dichlorobenzene	50	50		1	99	70-130	05/25/2014 1113
1,3-Dichlorobenzene	50	50		1	101	70-130	05/25/2014 1113
1,2-Dichlorobenzene	50	49		1	99	70-130	05/25/2014 1113
Dichlorodifluoromethane	50	50		1	100	60-140	05/25/2014 1113
1,2-Dichloroethane	50	51		1	103	70-130	05/25/2014 1113
1,1-Dichloroethane	50	48		1	96	70-130	05/25/2014 1113
trans-1,2-Dichloroethene	50	47		1	94	70-130	05/25/2014 1113
cis-1,2-Dichloroethene	50	49		1	99	70-130	05/25/2014 1113
1,1-Dichloroethene	50	47		1	95	70-130	05/25/2014 1113
1,2-Dichloropropane	50	50		1	100	70-130	05/25/2014 1113
trans-1,3-Dichloropropene	50	52		1	105	70-130	05/25/2014 1113
cis-1,3-Dichloropropene	50	52		1	105	70-130	05/25/2014 1113
Ethylbenzene	50	51		1	102	70-130	05/25/2014 1113
2-Hexanone	100	97		1	97	60-140	05/25/2014 1113
Isopropylbenzene	50	52		1	104	70-130	05/25/2014 1113
Methyl acetate	50	57		1	114	70-130	05/25/2014 1113
Methyl tertiary butyl ether (MTBE)	50	51		1	101	70-130	05/25/2014 1113
4-Methyl-2-pentanone	100	98		1	98	60-140	05/25/2014 1113
Methylcyclohexane	50	51		1	101	70-130	05/25/2014 1113
Methylene chloride	50	52		1	104	70-130	05/25/2014 1113
Styrene	50	50		1	99	70-130	05/25/2014 1113
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	05/25/2014 1113
Tetrachloroethene	50	53		1	106	70-130	05/25/2014 1113
Toluene	50	51		1	103	70-130	05/25/2014 1113
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	70-130	05/25/2014 1113
1,2,4-Trichlorobenzene	50	50		1	101	70-130	05/25/2014 1113
1,1,1-Trichloroethane	50	49		1	97	70-130	05/25/2014 1113
1,1,2-Trichloroethane	50	49		1	98	70-130	05/25/2014 1113

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47477-002
Batch: 47477
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	102	70-130	05/25/2014 1113
Trichlorofluoromethane	50	52		1	105	70-130	05/25/2014 1113
Vinyl chloride	50	49		1	97	70-130	05/25/2014 1113
Xylenes (total)	100	100		1	102	70-130	05/25/2014 1113

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47477-003
Batch: 47477
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	72	+	1	72	36	60-140	20	05/25/2014 1137
Benzene	50	50		1	100	0.62	70-130	20	05/25/2014 1137
Bromodichloromethane	50	47		1	94	2.0	70-130	20	05/25/2014 1137
Bromoform	50	49		1	98	1.5	70-130	20	05/25/2014 1137
Bromomethane (Methyl bromide)	50	49		1	99	2.5	60-140	20	05/25/2014 1137
2-Butanone (MEK)	100	97		1	97	2.2	60-140	20	05/25/2014 1137
Carbon disulfide	50	49		1	98	0.24	60-140	20	05/25/2014 1137
Carbon tetrachloride	50	51		1	103	0.49	70-130	20	05/25/2014 1137
Chlorobenzene	50	51		1	102	0.70	70-130	20	05/25/2014 1137
Chloroethane	50	49		1	98	2.5	42-163	20	05/25/2014 1137
Chloroform	50	46		1	92	7.1	70-130	20	05/25/2014 1137
Chloromethane (Methyl chloride)	50	47		1	94	1.1	60-140	20	05/25/2014 1137
Cyclohexane	50	58		1	115	6.0	70-130	20	05/25/2014 1137
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	93	6.7	70-130	20	05/25/2014 1137
Dibromochloromethane	50	50		1	101	1.4	70-130	20	05/25/2014 1137
1,2-Dibromoethane (EDB)	50	50		1	99	2.5	70-130	20	05/25/2014 1137
1,4-Dichlorobenzene	50	51		1	101	1.8	70-130	20	05/25/2014 1137
1,3-Dichlorobenzene	50	50		1	101	0.28	70-130	20	05/25/2014 1137
1,2-Dichlorobenzene	50	49		1	98	1.2	70-130	20	05/25/2014 1137
Dichlorodifluoromethane	50	51		1	103	2.9	60-140	20	05/25/2014 1137
1,2-Dichloroethane	50	44		1	88	16	70-130	20	05/25/2014 1137
1,1-Dichloroethane	50	46		1	93	3.5	70-130	20	05/25/2014 1137
trans-1,2-Dichloroethene	50	45		1	90	3.8	70-130	20	05/25/2014 1137
cis-1,2-Dichloroethene	50	45		1	90	8.9	70-130	20	05/25/2014 1137
1,1-Dichloroethene	50	48		1	95	0.73	70-130	20	05/25/2014 1137
1,2-Dichloropropane	50	49		1	98	2.4	70-130	20	05/25/2014 1137
trans-1,3-Dichloropropene	50	52		1	103	1.4	70-130	20	05/25/2014 1137
cis-1,3-Dichloropropene	50	52		1	105	0.16	70-130	20	05/25/2014 1137
Ethylbenzene	50	52		1	105	2.1	70-130	20	05/25/2014 1137
2-Hexanone	100	96		1	96	1.0	60-140	20	05/25/2014 1137
Isopropylbenzene	50	53		1	106	2.2	70-130	20	05/25/2014 1137
Methyl acetate	50	47		1	94	19	70-130	20	05/25/2014 1137
Methyl tertiary butyl ether (MTBE)	50	45		1	90	11	70-130	20	05/25/2014 1137
4-Methyl-2-pentanone	100	91		1	91	7.5	60-140	20	05/25/2014 1137
Methylcyclohexane	50	52		1	103	1.9	70-130	20	05/25/2014 1137
Methylene chloride	50	46		1	92	12	70-130	20	05/25/2014 1137
Styrene	50	51		1	101	2.5	70-130	20	05/25/2014 1137
1,1,2,2-Tetrachloroethane	50	47		1	94	6.0	70-130	20	05/25/2014 1137
Tetrachloroethene	50	54		1	107	1.1	70-130	20	05/25/2014 1137
Toluene	50	52		1	104	0.85	70-130	20	05/25/2014 1137
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	58		1	115	1.9	70-130	20	05/25/2014 1137
1,2,4-Trichlorobenzene	50	51		1	102	1.6	70-130	20	05/25/2014 1137
1,1,1-Trichloroethane	50	48		1	97	0.36	70-130	20	05/25/2014 1137
1,1,2-Trichloroethane	50	47		1	94	4.1	70-130	20	05/25/2014 1137

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47477-003
Batch: 47477
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	0.22	70-130	20	05/25/2014 1137
Trichlorofluoromethane	50	54		1	108	3.1	70-130	20	05/25/2014 1137
Vinyl chloride	50	50		1	99	2.4	70-130	20	05/25/2014 1137
Xylenes (total)	100	100		1	102	0.073	70-130	20	05/25/2014 1137

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		79	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47481-001
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/25/2014 1323
Benzene	ND		1	5.0	1.1	ug/kg	05/25/2014 1323
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
Bromoform	ND		1	5.0	0.70	ug/kg	05/25/2014 1323
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/25/2014 1323
2-Butanone (MEK)	3.0	J	1	10	2.4	ug/kg	05/25/2014 1323
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/25/2014 1323
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/25/2014 1323
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
Chloroethane	ND		1	5.0	1.3	ug/kg	05/25/2014 1323
Chloroform	ND		1	5.0	0.83	ug/kg	05/25/2014 1323
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/25/2014 1323
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/25/2014 1323
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/25/2014 1323
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/25/2014 1323
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/25/2014 1323
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/25/2014 1323
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/25/2014 1323
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/25/2014 1323
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/25/2014 1323
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/25/2014 1323
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/25/2014 1323
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/25/2014 1323
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
2-Hexanone	ND		1	10	1.3	ug/kg	05/25/2014 1323
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/25/2014 1323
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/25/2014 1323
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/25/2014 1323
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/25/2014 1323
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/25/2014 1323
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/25/2014 1323
Styrene	ND		1	5.0	1.1	ug/kg	05/25/2014 1323
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/25/2014 1323
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/25/2014 1323
Toluene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/25/2014 1323
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/25/2014 1323
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/25/2014 1323
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/25/2014 1323

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47481-001
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/25/2014 1323
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/25/2014 1323
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/25/2014 1323
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/25/2014 1323

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		92	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47481-002
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	133	60-140	05/25/2014 1150
Benzene	50	47		1	94	69-123	05/25/2014 1150
Bromodichloromethane	50	47		1	93	69-121	05/25/2014 1150
Bromoform	50	48		1	97	61-119	05/25/2014 1150
Bromomethane (Methyl bromide)	50	47		1	93	10-168	05/25/2014 1150
2-Butanone (MEK)	100	110		1	115	57-148	05/25/2014 1150
Carbon disulfide	50	45		1	91	58-122	05/25/2014 1150
Carbon tetrachloride	50	46		1	93	58-136	05/25/2014 1150
Chlorobenzene	50	47		1	94	59-129	05/25/2014 1150
Chloroethane	50	46		1	93	42-163	05/25/2014 1150
Chloroform	50	46		1	92	71-125	05/25/2014 1150
Chloromethane (Methyl chloride)	50	46		1	92	34-134	05/25/2014 1150
Cyclohexane	50	46		1	91	53-139	05/25/2014 1150
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	100	55-125	05/25/2014 1150
Dibromochloromethane	50	47		1	93	66-119	05/25/2014 1150
1,2-Dibromoethane (EDB)	50	47		1	95	74-124	05/25/2014 1150
1,4-Dichlorobenzene	50	48		1	96	52-133	05/25/2014 1150
1,3-Dichlorobenzene	50	49		1	98	51-134	05/25/2014 1150
1,2-Dichlorobenzene	50	50		1	100	57-131	05/25/2014 1150
Dichlorodifluoromethane	50	49		1	99	10-157	05/25/2014 1150
1,2-Dichloroethane	50	47		1	94	67-129	05/25/2014 1150
1,1-Dichloroethane	50	48		1	96	71-127	05/25/2014 1150
trans-1,2-Dichloroethene	50	46		1	93	68-131	05/25/2014 1150
cis-1,2-Dichloroethene	50	47		1	95	70-122	05/25/2014 1150
1,1-Dichloroethene	50	47		1	93	69-138	05/25/2014 1150
1,2-Dichloropropane	50	47		1	94	72-124	05/25/2014 1150
trans-1,3-Dichloropropene	50	48		1	96	70-124	05/25/2014 1150
cis-1,3-Dichloropropene	50	47		1	95	70-126	05/25/2014 1150
Ethylbenzene	50	46		1	93	59-128	05/25/2014 1150
2-Hexanone	100	100		1	101	54-137	05/25/2014 1150
Isopropylbenzene	50	51		1	102	50-136	05/25/2014 1150
Methyl acetate	50	52		1	103	59-137	05/25/2014 1150
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	05/25/2014 1150
4-Methyl-2-pentanone	100	100		1	103	60-134	05/25/2014 1150
Methylcyclohexane	50	47		1	93	41-144	05/25/2014 1150
Methylene chloride	50	47		1	94	70-130	05/25/2014 1150
Styrene	50	48		1	96	54-136	05/25/2014 1150
1,1,2,2-Tetrachloroethane	50	51		1	102	69-132	05/25/2014 1150
Tetrachloroethene	50	46		1	92	45-150	05/25/2014 1150
Toluene	50	47		1	94	61-129	05/25/2014 1150
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	107	49-136	05/25/2014 1150
1,2,4-Trichlorobenzene	50	49		1	98	34-145	05/25/2014 1150
1,1,2-Trichloroethane	50	47		1	94	55-128	05/25/2014 1150
1,1,1-Trichloroethane	50	47		1	95	63-128	05/25/2014 1150

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47481-002
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	46		1	93	62-126	05/25/2014 1150
Trichlorofluoromethane	50	48		1	96	45-138	05/25/2014 1150
Vinyl chloride	50	46		1	92	42-132	05/25/2014 1150
Xylenes (total)	100	95		1	95	58-128	05/25/2014 1150

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47481-003
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	121	9.3	60-140	20	05/25/2014 1213
Benzene	50	47		1	95	0.88	69-123	20	05/25/2014 1213
Bromodichloromethane	50	48		1	96	2.6	69-121	20	05/25/2014 1213
Bromoform	50	47		1	94	3.0	61-119	20	05/25/2014 1213
Bromomethane (Methyl bromide)	50	50		1	100	7.4	10-168	20	05/25/2014 1213
2-Butanone (MEK)	100	100		1	103	11	57-148	20	05/25/2014 1213
Carbon disulfide	50	48		1	96	5.2	58-122	20	05/25/2014 1213
Carbon tetrachloride	50	49		1	97	4.6	58-136	20	05/25/2014 1213
Chlorobenzene	50	49		1	98	4.1	59-129	20	05/25/2014 1213
Chloroethane	50	51		1	101	8.8	42-163	20	05/25/2014 1213
Chloroform	50	48		1	96	3.6	71-125	20	05/25/2014 1213
Chloromethane (Methyl chloride)	50	51		1	102	10	34-134	20	05/25/2014 1213
Cyclohexane	50	48		1	96	4.7	53-139	20	05/25/2014 1213
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	5.3	55-125	20	05/25/2014 1213
Dibromochloromethane	50	48		1	96	2.4	66-119	20	05/25/2014 1213
1,2-Dibromoethane (EDB)	50	48		1	96	1.3	74-124	20	05/25/2014 1213
1,4-Dichlorobenzene	50	48		1	97	1.2	52-133	20	05/25/2014 1213
1,3-Dichlorobenzene	50	50		1	100	1.8	51-134	20	05/25/2014 1213
1,2-Dichlorobenzene	50	51		1	102	2.4	57-131	20	05/25/2014 1213
Dichlorodifluoromethane	50	52		1	103	4.7	10-157	20	05/25/2014 1213
1,2-Dichloroethane	50	47		1	94	0.11	67-129	20	05/25/2014 1213
1,1-Dichloroethane	50	49		1	97	1.7	71-127	20	05/25/2014 1213
trans-1,2-Dichloroethene	50	49		1	98	5.4	68-131	20	05/25/2014 1213
cis-1,2-Dichloroethene	50	49		1	97	2.5	70-122	20	05/25/2014 1213
1,1-Dichloroethene	50	48		1	96	3.1	69-138	20	05/25/2014 1213
1,2-Dichloropropane	50	48		1	97	2.8	72-124	20	05/25/2014 1213
trans-1,3-Dichloropropene	50	49		1	98	2.7	70-124	20	05/25/2014 1213
cis-1,3-Dichloropropene	50	47		1	95	0.099	70-126	20	05/25/2014 1213
Ethylbenzene	50	49		1	98	5.9	59-128	20	05/25/2014 1213
2-Hexanone	100	99		1	99	1.6	54-137	20	05/25/2014 1213
Isopropylbenzene	50	50		1	100	1.2	50-136	20	05/25/2014 1213
Methyl acetate	50	49		1	98	5.0	59-137	20	05/25/2014 1213
Methyl tertiary butyl ether (MTBE)	50	52		1	103	3.0	70-130	20	05/25/2014 1213
4-Methyl-2-pentanone	100	96		1	96	7.7	60-134	20	05/25/2014 1213
Methylcyclohexane	50	48		1	96	2.7	41-144	20	05/25/2014 1213
Methylene chloride	50	49		1	99	4.7	70-130	20	05/25/2014 1213
Styrene	50	50		1	101	5.0	54-136	20	05/25/2014 1213
1,1,2,2-Tetrachloroethane	50	50		1	100	2.1	69-132	20	05/25/2014 1213
Tetrachloroethene	50	48		1	96	4.8	45-150	20	05/25/2014 1213
Toluene	50	47		1	95	1.3	61-129	20	05/25/2014 1213
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	112	4.7	49-136	20	05/25/2014 1213
1,2,4-Trichlorobenzene	50	52		1	105	7.1	34-145	20	05/25/2014 1213
1,1,2-Trichloroethane	50	47		1	93	0.72	55-128	20	05/25/2014 1213
1,1,1-Trichloroethane	50	50		1	100	5.4	63-128	20	05/25/2014 1213

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47481-003
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	47		1	95	2.1	62-126	20	05/25/2014 1213
Trichlorofluoromethane	50	51		1	102	5.4	45-138	20	05/25/2014 1213
Vinyl chloride	50	50		1	100	8.5	42-132	20	05/25/2014 1213
Xylenes (total)	100	100		1	100	5.1	58-128	20	05/25/2014 1213

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		86	53-142
Toluene-d8		94	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE22008-004MS
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	100		1	99	60-140	05/25/2014 1732
Benzene	ND	51	45		1	88	69-123	05/25/2014 1732
Bromodichloromethane	ND	51	44		1	87	69-121	05/25/2014 1732
Bromoform	ND	51	44		1	87	61-119	05/25/2014 1732
Bromomethane (Methyl bromide)	ND	51	45		1	89	35-144	05/25/2014 1732
2-Butanone (MEK)	ND	100	100		1	99	57-148	05/25/2014 1732
Carbon disulfide	ND	51	43		1	85	58-122	05/25/2014 1732
Carbon tetrachloride	ND	51	45		1	88	58-136	05/25/2014 1732
Chlorobenzene	ND	51	43		1	84	59-129	05/25/2014 1732
Chloroethane	ND	51	46		1	92	50-132	05/25/2014 1732
Chloroform	ND	51	44		1	87	71-125	05/25/2014 1732
Chloromethane (Methyl chloride)	ND	51	46		1	90	34-134	05/25/2014 1732
Cyclohexane	ND	51	45		1	89	53-139	05/25/2014 1732
1,2-Dibromo-3-chloropropane (DBCP)	ND	51	45		1	88	55-125	05/25/2014 1732
Dibromochloromethane	ND	51	44		1	86	66-119	05/25/2014 1732
1,2-Dibromoethane (EDB)	ND	51	45		1	88	74-124	05/25/2014 1732
1,2-Dichlorobenzene	ND	51	43		1	85	57-131	05/25/2014 1732
1,3-Dichlorobenzene	ND	51	40		1	80	51-134	05/25/2014 1732
1,4-Dichlorobenzene	ND	51	41		1	82	52-133	05/25/2014 1732
Dichlorodifluoromethane	ND	51	50		1	99	10-157	05/25/2014 1732
1,1-Dichloroethane	ND	51	45		1	90	71-127	05/25/2014 1732
1,2-Dichloroethane	ND	51	45		1	89	67-129	05/25/2014 1732
1,1-Dichloroethene	ND	51	45		1	89	69-138	05/25/2014 1732
cis-1,2-Dichloroethene	ND	51	44		1	87	70-122	05/25/2014 1732
trans-1,2-Dichloroethene	ND	51	46		1	90	68-131	05/25/2014 1732
1,2-Dichloropropane	ND	51	43		1	86	72-124	05/25/2014 1732
cis-1,3-Dichloropropene	ND	51	42		1	84	70-126	05/25/2014 1732
trans-1,3-Dichloropropene	ND	51	44		1	86	70-124	05/25/2014 1732
Ethylbenzene	ND	51	43		1	85	59-128	05/25/2014 1732
2-Hexanone	ND	100	98		1	97	54-137	05/25/2014 1732
Isopropylbenzene	ND	51	44		1	88	50-136	05/25/2014 1732
Methyl acetate	ND	51	50		1	99	59-137	05/25/2014 1732
Methyl tertiary butyl ether (MTBE)	ND	51	48		1	95	70-130	05/25/2014 1732
4-Methyl-2-pentanone	ND	100	97		1	96	60-134	05/25/2014 1732
Methylcyclohexane	ND	51	45		1	89	41-144	05/25/2014 1732
Methylene chloride	ND	51	43		1	86	77-129	05/25/2014 1732
Styrene	ND	51	43		1	86	54-136	05/25/2014 1732
1,1,2,2-Tetrachloroethane	ND	51	48		1	95	69-132	05/25/2014 1732
Tetrachloroethene	1.2	51	45		1	87	70-130	05/25/2014 1732
Toluene	ND	51	43		1	84	61-129	05/25/2014 1732
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	54		1	106	49-136	05/25/2014 1732
1,2,4-Trichlorobenzene	ND	51	38		1	75	34-145	05/25/2014 1732
1,1,1-Trichloroethane	ND	51	46		1	91	63-128	05/25/2014 1732
1,1,2-Trichloroethane	ND	51	43		1	85	55-128	05/25/2014 1732

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE22008-004MS
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	51	43		1	85	62-126	05/25/2014 1732
Trichlorofluoromethane	ND	51	46		1	92	45-138	05/25/2014 1732
Vinyl chloride	ND	51	48		1	94	42-132	05/25/2014 1732
Xylenes (total)	ND	100	87		1	86	58-128	05/25/2014 1732

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PE22008-004MD
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	99	110		1	111	9.1	60-140	20	05/25/2014 1755
Benzene	ND	49	47		1	96	5.4	69-123	20	05/25/2014 1755
Bromodichloromethane	ND	49	47		1	95	5.2	69-121	20	05/25/2014 1755
Bromoform	ND	49	49		1	99	9.8	61-119	20	05/25/2014 1755
Bromomethane (Methyl bromide)	ND	49	45		1	91	0.30	35-144	20	05/25/2014 1755
2-Butanone (MEK)	ND	99	110		1	108	6.2	57-148	20	05/25/2014 1755
Carbon disulfide	ND	49	43		1	88	0.72	58-122	20	05/25/2014 1755
Carbon tetrachloride	ND	49	45		1	91	0.47	58-136	20	05/25/2014 1755
Chlorobenzene	ND	49	45		1	91	4.7	59-129	20	05/25/2014 1755
Chloroethane	ND	49	47		1	95	1.4	50-132	20	05/25/2014 1755
Chloroform	ND	49	46		1	94	5.2	71-125	20	05/25/2014 1755
Chloromethane (Methyl chloride)	ND	49	46		1	93	0.73	34-134	20	05/25/2014 1755
Cyclohexane	ND	49	44		1	88	3.0	53-139	20	05/25/2014 1755
1,2-Dibromo-3-chloropropane (DBCP)	ND	49	46		1	94	3.7	55-125	20	05/25/2014 1755
Dibromochloromethane	ND	49	48		1	97	9.8	66-119	20	05/25/2014 1755
1,2-Dibromoethane (EDB)	ND	49	48		1	97	7.1	74-124	20	05/25/2014 1755
1,2-Dichlorobenzene	ND	49	42		1	85	2.2	57-131	20	05/25/2014 1755
1,3-Dichlorobenzene	ND	49	42		1	85	3.9	51-134	20	05/25/2014 1755
1,4-Dichlorobenzene	ND	49	41		1	83	0.61	52-133	20	05/25/2014 1755
Dichlorodifluoromethane	ND	49	49		1	100	1.9	10-157	20	05/25/2014 1755
1,1-Dichloroethane	ND	49	46		1	93	0.78	71-127	20	05/25/2014 1755
1,2-Dichloroethane	ND	49	48		1	97	6.4	67-129	20	05/25/2014 1755
1,1-Dichloroethene	ND	49	45		1	91	0.86	69-138	20	05/25/2014 1755
cis-1,2-Dichloroethene	ND	49	46		1	94	4.7	70-122	20	05/25/2014 1755
trans-1,2-Dichloroethene	ND	49	46		1	94	1.2	68-131	20	05/25/2014 1755
1,2-Dichloropropane	ND	49	46		1	94	6.8	72-124	20	05/25/2014 1755
cis-1,3-Dichloropropene	ND	49	47		1	94	9.4	70-126	20	05/25/2014 1755
trans-1,3-Dichloropropene	ND	49	48		1	98	9.7	70-124	20	05/25/2014 1755
Ethylbenzene	ND	49	44		1	90	2.6	59-128	20	05/25/2014 1755
2-Hexanone	ND	99	110		1	111	11	54-137	20	05/25/2014 1755
Isopropylbenzene	ND	49	44		1	88	1.9	50-136	20	05/25/2014 1755
Methyl acetate	ND	49	54		1	109	7.1	59-137	20	05/25/2014 1755
Methyl tertiary butyl ether (MTBE)	ND	49	52		1	106	7.8	70-130	20	05/25/2014 1755
4-Methyl-2-pentanone	ND	99	110		1	108	9.4	60-134	20	05/25/2014 1755
Methylcyclohexane	ND	49	43		1	86	5.3	41-144	20	05/25/2014 1755
Methylene chloride	ND	49	46		1	93	5.9	77-129	20	05/25/2014 1755
Styrene	ND	49	46		1	94	6.5	54-136	20	05/25/2014 1755
1,1,2,2-Tetrachloroethane	ND	49	49		1	100	2.7	69-132	20	05/25/2014 1755
Tetrachloroethene	1.2	49	45		1	88	1.3	70-130	20	05/25/2014 1755
Toluene	ND	49	45		1	92	6.4	61-129	20	05/25/2014 1755
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	52		1	105	2.9	49-136	20	05/25/2014 1755
1,2,4-Trichlorobenzene	ND	49	38		1	76	0.61	34-145	20	05/25/2014 1755
1,1,1-Trichloroethane	ND	49	46		1	94	0.66	63-128	20	05/25/2014 1755
1,1,2-Trichloroethane	ND	49	47		1	95	8.3	55-128	20	05/25/2014 1755

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PE22008-004MD
Batch: 47481
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	49	44		1	88	1.8	62-126	20	05/25/2014 1755
Trichlorofluoromethane	ND	49	46		1	93	1.5	45-138	20	05/25/2014 1755
Vinyl chloride	ND	49	48		1	97	0.18	42-132	20	05/25/2014 1755
Xylenes (total)	ND	99	90		1	91	3.9	58-128	20	05/25/2014 1755

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		94	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ47822-001
Batch: 47822
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2340

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	05/30/2014 0406
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	05/30/2014 0406
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	05/30/2014 0406
Chlorobenzene	ND		10	0.050	0.0020	mg/L	05/30/2014 0406
Chloroform	ND		10	0.050	0.0030	mg/L	05/30/2014 0406
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	05/30/2014 0406
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	05/30/2014 0406
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	05/30/2014 0406
Trichloroethene	ND		10	0.050	0.0030	mg/L	05/30/2014 0406
Vinyl chloride	ND		10	0.010	0.0010	mg/L	05/30/2014 0406

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ47822-002
Batch: 47822
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 05/28/2014 2340

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.48		10	96	72-127	05/30/2014 0539
2-Butanone (MEK)	1.0	0.78		10	78	60-140	05/30/2014 0539
Carbon tetrachloride	0.50	0.49		10	98	37-166	05/30/2014 0539
Chlorobenzene	0.50	0.49		10	99	78-129	05/30/2014 0539
Chloroform	0.50	0.47		10	94	63-123	05/30/2014 0539
1,2-Dichloroethane	0.50	0.46		10	91	59-143	05/30/2014 0539
1,1-Dichloroethene	0.50	0.44		10	88	50-132	05/30/2014 0539
Tetrachloroethene	0.50	0.49		10	98	70-130	05/30/2014 0539
Trichloroethene	0.50	0.49		10	99	73-124	05/30/2014 0539
Vinyl chloride	0.50	0.45		10	90	29-159	05/30/2014 0539

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		82	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: PE22008-003MS
Batch: 47822
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 05/28/2014 2340

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.51	W	10	102	70-127	05/30/2014 0602
2-Butanone (MEK)	ND	1.0	1.0	W	10	102	60-140	05/30/2014 0602
Carbon tetrachloride	ND	0.50	0.52	W	10	104	37-166	05/30/2014 0602
Chlorobenzene	ND	0.50	0.52	W	10	104	78-129	05/30/2014 0602
Chloroform	ND	0.50	0.50	W	10	100	63-123	05/30/2014 0602
1,2-Dichloroethane	ND	0.50	0.48	W	10	96	59-143	05/30/2014 0602
1,1-Dichloroethene	ND	0.50	0.48	W	10	97	50-132	05/30/2014 0602
Tetrachloroethene	ND	0.50	0.53	W	10	105	70-130	05/30/2014 0602
Trichloroethene	ND	0.50	0.52	W	10	105	73-124	05/30/2014 0602
Vinyl chloride	ND	0.50	0.49	W	10	98	29-159	05/30/2014 0602

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		82	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 31073

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Ron Paulling	Quote No.
Address: 128 Millport Circle Ste 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: of
City: Greenville; State: SC; Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 337645 87.00002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	% solids	TCLP VOCs	Number of Containers	Bottle (See Instructions on back)	Preservative
									4	1	1			
									A	L	L			
									1	1	1			
MW-16D (6-7')	5/19/14	1300	G				✓		✓	✓				
MW-16D (22-23')	↓	1315	G				✓		✓	✓				
Drums 41,42,43,44 & 45	↓	1445	C					✓			✓			
MW-16 (3-4')	5/20/14	1030	G				✓		✓	✓				
MS	↓	1030	G				✓		✓	✓				
MSD		1030	G				✓		✓	✓				
MW-16 (19-20')		1040					✓		✓	✓				
DUP-9		1045					✓		✓	✓				
Drums 39-40	↓	1100					✓				✓			
Trip Blank 5/20/14									✓					

PE22008

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	5/21/14	1125	1. Received by:	5/21/14	1125
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by	5/21/14	1607	4. Laboratory Received by:	5-21-14	1602

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack — Receipt Temp. 2.2 °C — Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KuP 5-22-14 Lot #: AE22008

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 12.1 12.2 °C / / °C / / °C / / °C			
Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C			
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____were received with bubbles >6 mm in diameter.			
Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: KuP Verified by:_____ Date: 5-22-14			

Comments:

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764587.00001

Lot Number: PE13052

Date Completed: 06/04/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P E 1 3 0 5 2 *

Case Narrative
URS Corporation
Lot Number: PE13052

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

VOCs by GC/MS

The initial undiluted run of sample -024 recovered Tetrachloroethene above the calibration range at 1000 ug/L. The sample was ran again with a 50X dilution yielding a result 100 ug/L. Due to the differing results a third run was performed undiluted and yielded a result of 470 ug/L. The third run has been reported and qualified with an "E".

TCLP VOCs

The Method Blank associated with batch 47080 recovered Chloroform marginally above the MDL. No corrective action was required as the detection was a "J" value detection.

Sample Summary
URS Corporation
Lot Number: PE13052

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-19(0-1')	Solid	05/10/2014 1130	05/13/2014
002	SB-19(3-4')	Solid	05/10/2014 1140	05/13/2014
003	SB-19(18-19')	Solid	05/10/2014 1150	05/13/2014
004	SB-20(0-1')	Solid	05/10/2014 1030	05/13/2014
005	SB-20(10-11')	Solid	05/10/2014 1040	05/13/2014
006	SB-20(23-24')	Solid	05/10/2014 1050	05/13/2014
007	SB-21(0-1')	Solid	05/10/2014 0940	05/13/2014
008	SB-21(8-9')	Solid	05/10/2014 0950	05/13/2014
009	SB-21(27-28')	Solid	05/10/2014 1000	05/13/2014
010	DUP-7	Solid	05/10/2014 1005	05/13/2014
011	SB-57(0-1')	Solid	05/10/2014 1345	05/13/2014
012	SB-57(4-5')	Solid	05/10/2014 1355	05/13/2014
013	SB-57(9-10')	Solid	05/10/2014 1405	05/13/2014
014	Trip Blank 5/10/14	Aqueous	05/10/2014	05/13/2014
015	MW-17(0-1')	Solid	05/10/2014 1525	05/13/2014
016	MW-17(4-5')	Solid	05/10/2014 1535	05/13/2014
017	MW-17(23-24')	Solid	05/10/2014 1545	05/13/2014
018	Drums 3, 4 &5	Solid	05/10/2014 1700	05/13/2014
019	MW-18(4-5')	Solid	05/12/2014 1030	05/13/2014
020	MW-18(12-13')	Solid	05/12/2014 1045	05/13/2014
021	MW-18(38-39')	Solid	05/12/2014 1100	05/13/2014
022	MW-12 (0-1')	Solid	05/12/2014 1700	05/13/2014
023	MW-12 (2-3')	Solid	05/12/2014 1710	05/13/2014
024	MW-12 (33-34')	Solid	05/12/2014 1720	05/13/2014
025	Trip Blank 5/12/14	Aqueous	05/12/2014	05/13/2014

(25 samples)

Executive Summary

URS Corporation

Lot Number: PE13052

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-19(0-1')	Solid	1,1-Dichloroethene	8260B	4.2	J	ug/kg	5
001	SB-19(0-1')	Solid	Tetrachloroethene	8260B	220		ug/kg	5
002	SB-19(3-4')	Solid	Tetrachloroethene	8260B	2.2	J	ug/kg	7
003	SB-19(18-19')	Solid	Tetrachloroethene	8260B	68		ug/kg	9
004	SB-20(0-1')	Solid	Tetrachloroethene	8260B	120		ug/kg	11
005	SB-20(10-11')	Solid	Tetrachloroethene	8260B	0.88	J	ug/kg	13
006	SB-20(23-24')	Solid	Tetrachloroethene	8260B	12		ug/kg	15
007	SB-21(0-1')	Solid	Tetrachloroethene	8260B	220		ug/kg	17
008	SB-21(8-9')	Solid	Tetrachloroethene	8260B	17		ug/kg	19
009	SB-21(27-28')	Solid	Tetrachloroethene	8260B	65		ug/kg	21
010	DUP-7	Solid	Tetrachloroethene	8260B	130		ug/kg	23
011	SB-57(0-1')	Solid	1,1-Dichloroethene	8260B	2.8	J	ug/kg	25
011	SB-57(0-1')	Solid	Tetrachloroethene	8260B	1.1	J	ug/kg	25
012	SB-57(4-5')	Solid	Phenanthrene	8270D	48	J	ug/kg	29
013	SB-57(9-10')	Solid	Phenanthrene	8270D	62	J	ug/kg	32
014	Trip Blank 5/10/14	Aqueous	1,1,1-Trichloroethane	8260B	0.29	J	ug/L	35
015	MW-17(0-1')	Solid	Tetrachloroethene	8260B	0.67	J	ug/kg	36
016	MW-17(4-5')	Solid	Tetrachloroethene	8260B	0.98	J	ug/kg	38
017	MW-17(23-24')	Solid	Tetrachloroethene	8260B	4.9		ug/kg	40
018	Drums 3, 4 &5	Solid	Chloroform	8260B	0.0030	BJ	mg/L	42
019	MW-18(4-5')	Solid	Tetrachloroethene	8260B	1.0	J	ug/kg	44
022	MW-12 (0-1')	Solid	Acetone	8260B	80		ug/kg	48
022	MW-12 (0-1')	Solid	Tetrachloroethene	8260B	25		ug/kg	48
024	MW-12 (33-34')	Solid	Tetrachloroethene	8260B	470	E	ug/kg	50

(24 detections)

Client: URS Corporation
Description: SB-19(0-1')
Date Sampled: 05/10/2014 1130
Date Received: 05/13/2014

Laboratory ID: PE13052-001
Matrix: Solid
% Solids: 72.5 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/16/2014 0118	JJG		46885	4.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		33	11	ug/kg	1
Benzene	71-43-2	8260B	ND		8.4	1.8	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		8.4	2.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		8.4	1.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		8.4	3.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		17	4.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		8.4	2.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		8.4	3.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		8.4	2.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		8.4	2.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		8.4	1.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		8.4	1.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		8.4	1.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		8.4	2.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		8.4	2.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		8.4	1.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		8.4	2.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		8.4	2.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		8.4	2.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		8.4	2.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		8.4	1.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		8.4	1.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	4.2	J	8.4	2.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		8.4	1.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		8.4	2.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		8.4	1.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		8.4	1.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		8.4	1.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		8.4	2.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		17	2.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		8.4	0.38	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		8.4	1.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		8.4	0.67	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		17	2.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		8.4	0.68	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		8.4	4.3	ug/kg	1
Styrene	100-42-5	8260B	ND		8.4	1.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		8.4	0.79	ug/kg	1
Tetrachloroethene	127-18-4	8260B	220		8.4	0.84	ug/kg	1
Toluene	108-88-3	8260B	ND		8.4	2.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-19(0-1')
Date Sampled: 05/10/2014 1130
Date Received: 05/13/2014

Laboratory ID: PE13052-001
Matrix: Solid
% Solids: 72.5 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/16/2014 0118	JJG		46885	4.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		8.4	1.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		8.4	2.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		8.4	1.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		8.4	1.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		8.4	3.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		8.4	2.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		8.4	1.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		8.4	4.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		77	47-138
Toluene-d8		83	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-19(3-4')
Date Sampled: 05/10/2014 1140
Date Received: 05/13/2014

Laboratory ID: PE13052-002
Matrix: Solid
% Solids: 79.3 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/16/2014 1324	AAC		46922	4.10

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		31	10	ug/kg	1
Benzene	71-43-2	8260B	ND		7.7	1.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.7	2.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.7	1.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.7	2.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.7	2.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.7	2.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.7	2.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.7	2.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.7	1.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.7	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.7	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.7	2.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.7	2.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.7	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.7	2.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.7	2.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.7	2.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.7	2.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.7	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.7	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.7	2.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.7	1.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.7	2.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.7	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.7	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.7	1.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.7	2.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	2.0	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.7	0.35	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.7	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.7	0.61	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.7	0.63	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.7	4.0	ug/kg	1
Styrene	100-42-5	8260B	ND		7.7	1.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.7	0.72	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.2	J	7.7	0.77	ug/kg	1
Toluene	108-88-3	8260B	ND		7.7	2.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-19(3-4')
Date Sampled: 05/10/2014 1140
Date Received: 05/13/2014

Laboratory ID: PE13052-002
Matrix: Solid
% Solids: 79.3 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/16/2014 1324	AAC		46922	4.10

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.7	0.97	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.7	2.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.7	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.7	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.7	2.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.7	2.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.7	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.7	4.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		75	47-138
Toluene-d8		81	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-19(18-19')
Date Sampled: 05/10/2014 1150
Date Received: 05/13/2014

Laboratory ID: PE13052-003
Matrix: Solid
% Solids: 78.9 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1312	AAC		46862	5.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.3	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.5	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	0.91	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.5	0.74	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.93	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.80	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.5	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.5	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.5	0.45	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	68		5.5	0.55	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	1.9	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-19(18-19')
Date Sampled: 05/10/2014 1150
Date Received: 05/13/2014

Laboratory ID: PE13052-003
Matrix: Solid
% Solids: 78.9 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1312	AAC		46862	5.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.5	0.69	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.93	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.5	0.94	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		77	53-142
Bromofluorobenzene		79	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-20(0-1')
Date Sampled: 05/10/2014 1030
Date Received: 05/13/2014

Laboratory ID: PE13052-004
Matrix: Solid
% Solids: 78.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1406	AAC		46862	5.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	7.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	120		5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-20(0-1')
Date Sampled: 05/10/2014 1030
Date Received: 05/13/2014

Laboratory ID: PE13052-004
Matrix: Solid
% Solids: 78.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1406	AAC		46862	5.38

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.74	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		79	53-142
Bromofluorobenzene		81	47-138
Toluene-d8		84	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-20(10-11')
Date Sampled: 05/10/2014 1040
Date Received: 05/13/2014

Laboratory ID: PE13052-005
Matrix: Solid
% Solids: 56.2 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1430	AAC		46862	9.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.3	ug/kg	1
Benzene	71-43-2	8260B	ND		4.7	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	0.66	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.5	2.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	0.79	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	0.95	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	0.64	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	0.80	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	0.69	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	0.95	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	0.72	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	0.86	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	0.64	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	0.78	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.5	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	0.22	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	0.93	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	0.38	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.5	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	0.39	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	2.5	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	0.44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.88	J	4.7	0.47	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	1.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-20(10-11')
Date Sampled: 05/10/2014 1040
Date Received: 05/13/2014

Laboratory ID: PE13052-005
Matrix: Solid
% Solids: 56.2 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1430	AAC		46862	9.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	0.60	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	0.80	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	0.75	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.7	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.7	0.81	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		85	53-142
Bromofluorobenzene		83	47-138
Toluene-d8		87	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-20(23-24')
Date Sampled: 05/10/2014 1050
Date Received: 05/13/2014

Laboratory ID: PE13052-006
Matrix: Solid
% Solids: 66.7 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1453	AAC		46862	5.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.3	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	2.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.97	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.9	0.94	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	2.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	2.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	2.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.9	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.95	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.9	0.32	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.9	1.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.56	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.9	0.57	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	12		6.9	0.69	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	2.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-20(23-24')
Date Sampled: 05/10/2014 1050
Date Received: 05/13/2014

Laboratory ID: PE13052-006
Matrix: Solid
% Solids: 66.7 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1453	AAC		46862	5.39

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.9	0.88	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.9	2.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.9	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.9	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	53-142
Bromofluorobenzene		78	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-21(0-1')
Date Sampled: 05/10/2014 0940
Date Received: 05/13/2014

Laboratory ID: PE13052-007
Matrix: Solid
% Solids: 78.2 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1516	AAC		46862	5.77

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.4	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	0.78	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.5	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	0.92	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.5	0.75	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	0.94	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	0.81	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	0.84	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	0.75	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	0.91	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.5	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.5	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.5	0.45	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	0.52	ug/kg	1
Tetrachloroethene	127-18-4	8260B	220		5.5	0.55	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	1.9	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-21(0-1')
Date Sampled: 05/10/2014 0940
Date Received: 05/13/2014

Laboratory ID: PE13052-007
Matrix: Solid
% Solids: 78.2 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1516	AAC		46862	5.77

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.5	0.70	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	0.94	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	0.88	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.5	0.95	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		73	53-142
Bromofluorobenzene		77	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-21(8-9')
Date Sampled: 05/10/2014 0950
Date Received: 05/13/2014

Laboratory ID: PE13052-008
Matrix: Solid
% Solids: 74.5 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1539	AAC		46862	5.16

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.7	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.91	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	0.88	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.95	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.99	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.5	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	0.53	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	17		6.5	0.65	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-21(8-9')
Date Sampled: 05/10/2014 0950
Date Received: 05/13/2014

Laboratory ID: PE13052-008
Matrix: Solid
% Solids: 74.5 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1539	AAC		46862	5.16

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	0.82	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.5	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.5	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	53-142
Bromofluorobenzene		83	47-138
Toluene-d8		86	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-21(27-28')
Date Sampled: 05/10/2014 1000
Date Received: 05/13/2014

Laboratory ID: PE13052-009
Matrix: Solid
% Solids: 74.7 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1603	AAC		46862	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.3	ug/kg	1
Benzene	71-43-2	8260B	ND		6.2	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.2	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.2	0.87	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.2	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.2	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.2	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.2	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.2	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.2	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.2	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.2	0.84	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.2	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.2	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.2	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.2	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.2	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.2	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.2	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.2	0.91	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.2	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.2	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.2	0.94	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.2	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.2	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.2	0.84	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.2	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.2	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.2	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.2	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.2	0.50	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.2	0.51	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.2	3.2	ug/kg	1
Styrene	100-42-5	8260B	ND		6.2	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.2	0.58	ug/kg	1
Tetrachloroethene	127-18-4	8260B	65		6.2	0.62	ug/kg	1
Toluene	108-88-3	8260B	ND		6.2	2.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-21(27-28')
Date Sampled: 05/10/2014 1000
Date Received: 05/13/2014

Laboratory ID: PE13052-009
Matrix: Solid
% Solids: 74.7 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1603	AAC		46862	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.2	0.78	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.2	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.2	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.2	0.98	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.2	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.2	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.2	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.2	3.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		78	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-7
Date Sampled: 05/10/2014 1005
Date Received: 05/13/2014

Laboratory ID: PE13052-010
Matrix: Solid
% Solids: 81.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1626	AAC		46862	6.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.2	ug/kg	1
Benzene	71-43-2	8260B	ND		4.6	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.6	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.6	0.65	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.6	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.3	2.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.6	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.6	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.6	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.6	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.6	0.77	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.6	0.93	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.6	0.63	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.6	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.6	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.6	0.79	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.6	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.6	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.6	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.6	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.6	0.68	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.6	0.93	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.6	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.6	0.70	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.6	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.6	0.84	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.6	0.63	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.6	0.76	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.6	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.3	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.6	0.21	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.6	0.91	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.6	0.37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.3	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.6	0.38	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.6	2.4	ug/kg	1
Styrene	100-42-5	8260B	ND		4.6	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.6	0.44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	130		4.6	0.46	ug/kg	1
Toluene	108-88-3	8260B	ND		4.6	1.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-7
Date Sampled: 05/10/2014 1005
Date Received: 05/13/2014

Laboratory ID: PE13052-010
Matrix: Solid
% Solids: 81.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1626	AAC		46862	6.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.6	0.58	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.6	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.6	0.79	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.6	0.73	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.6	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.6	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.6	0.80	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.6	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		77	53-142
Bromofluorobenzene		78	47-138
Toluene-d8		86	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(0-1')
Date Sampled: 05/10/2014 1345
Date Received: 05/13/2014

Laboratory ID: PE13052-011
Matrix: Solid
% Solids: 74.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1649	AAC		46862	4.51

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		30	10	ug/kg	1
Benzene	71-43-2	8260B	ND		7.4	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.4	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.4	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.4	2.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.4	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.4	2.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.4	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.4	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.4	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.4	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.4	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.4	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.4	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.4	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.4	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.4	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.4	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.4	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.4	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.4	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	2.8	J	7.4	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.4	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.4	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.4	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.4	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.4	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.4	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.4	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.4	0.59	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.4	0.61	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.4	3.9	ug/kg	1
Styrene	100-42-5	8260B	ND		7.4	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.4	0.70	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.1	J	7.4	0.74	ug/kg	1
Toluene	108-88-3	8260B	ND		7.4	2.5	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(0-1')
Date Sampled: 05/10/2014 1345
Date Received: 05/13/2014

Laboratory ID: PE13052-011
Matrix: Solid
% Solids: 74.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1649	AAC		46862	4.51

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.4	0.94	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.4	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.4	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.4	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.4	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.4	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.4	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.4	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		74	53-142
Bromofluorobenzene		77	47-138
Toluene-d8		83	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	05/16/2014 1114	RBH	05/15/2014 1506	46847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		430	13	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		430	17	ug/kg	1
Anthracene	120-12-7	8270D	ND		430	19	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		430	14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		430	32	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		430	29	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		430	30	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		430	36	ug/kg	1
Chrysene	218-01-9	8270D	ND		430	14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		430	29	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		430	14	ug/kg	1
Fluorene	86-73-7	8270D	ND		430	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		430	39	ug/kg	1
Naphthalene	91-20-3	8270D	ND		430	18	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		430	18	ug/kg	1
Pyrene	129-00-0	8270D	ND		430	19	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(0-1')
Date Sampled: 05/10/2014 1345
Date Received: 05/13/2014

Laboratory ID: PE13052-011
Matrix: Solid
% Solids: 74.6 05/13/2014 2038

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		78	33-102
Nitrobenzene-d5		80	22-109
Terphenyl-d14		99	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(4-5')
Date Sampled: 05/10/2014 1355
Date Received: 05/13/2014

Laboratory ID: PE13052-012
Matrix: Solid
% Solids: 85.3 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1712	AAC		46862	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.1	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	0.85	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.0	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.0	0.81	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.0	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	0.88	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.0	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.0	0.92	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	0.82	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	0.99	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.0	0.28	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.0	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	0.48	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.0	0.50	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.0	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	0.57	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.0	0.60	ug/kg	1
Toluene	108-88-3	8260B	ND		6.0	2.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(4-5')
Date Sampled: 05/10/2014 1355
Date Received: 05/13/2014

Laboratory ID: PE13052-012
Matrix: Solid
% Solids: 85.3 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1712	AAC		46862	4.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.0	0.76	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.0	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.0	0.95	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.0	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.0	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.0	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.0	3.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	53-142
Bromofluorobenzene		77	47-138
Toluene-d8		82	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	05/16/2014 1138	RBH	05/15/2014 1506	46847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	12	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	15	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	12	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	28	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	26	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	26	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	31	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	12	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	25	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	12	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	34	ug/kg	1
Naphthalene	91-20-3	8270D	ND		380	16	ug/kg	1
Phenanthrene	85-01-8	8270D	48	J	380	15	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	16	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(4-5')
Date Sampled: 05/10/2014 1355
Date Received: 05/13/2014

Laboratory ID: PE13052-012
Matrix: Solid
% Solids: 85.3 05/13/2014 2038

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		71	33-102
Nitrobenzene-d5		75	22-109
Terphenyl-d14		92	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(9-10')
Date Sampled: 05/10/2014 1405
Date Received: 05/13/2014

Laboratory ID: PE13052-013
Matrix: Solid
% Solids: 72.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1735	AAC		46862	5.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	7.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.79	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.80	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(9-10')
Date Sampled: 05/10/2014 1405
Date Received: 05/13/2014

Laboratory ID: PE13052-013
Matrix: Solid
% Solids: 72.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1735	AAC		46862	5.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.74	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.93	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		75	53-142
Bromofluorobenzene		79	47-138
Toluene-d8		84	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	05/16/2014 1202	RBH	05/15/2014 1506	46847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D	ND		450	14	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		450	18	ug/kg	1
Anthracene	120-12-7	8270D	ND		450	20	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		450	15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		450	33	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		450	30	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		450	30	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		450	37	ug/kg	1
Chrysene	218-01-9	8270D	ND		450	14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		450	30	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		450	14	ug/kg	1
Fluorene	86-73-7	8270D	ND		450	17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		450	40	ug/kg	1
Naphthalene	91-20-3	8270D	ND		450	19	ug/kg	1
Phenanthrene	85-01-8	8270D	62	J	450	18	ug/kg	1
Pyrene	129-00-0	8270D	ND		450	19	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: SB-57(9-10')
Date Sampled: 05/10/2014 1405
Date Received: 05/13/2014

Laboratory ID: PE13052-013
Matrix: Solid
% Solids: 72.6 05/13/2014 2038

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		73	33-102
Nitrobenzene-d5		79	22-109
Terphenyl-d14		100	41-120

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/10/14
Date Sampled: 05/10/2014
Date Received: 05/13/2014

Laboratory ID: PE13052-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2014 1508	JHD		47055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/10/14
Date Sampled: 05/10/2014
Date Received: 05/13/2014

Laboratory ID: PE13052-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2014 1508	JHD		47055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	0.29	J	5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17(0-1')
Date Sampled: 05/10/2014 1525
Date Received: 05/13/2014

Laboratory ID: PE13052-015
Matrix: Solid
% Solids: 85.2 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1759	AAC		46862	5.67

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		21	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	0.72	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	1.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	1.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	0.86	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	0.70	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	1.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	0.88	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	1.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	1.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	1.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	0.76	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	1.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	0.79	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	0.94	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	0.70	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	0.85	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	0.24	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	0.49	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.67	J	5.2	0.52	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	1.8	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17(0-1')
Date Sampled: 05/10/2014 1525
Date Received: 05/13/2014

Laboratory ID: PE13052-015
Matrix: Solid
% Solids: 85.2 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1759	AAC		46862	5.67

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	0.65	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	1.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	0.88	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	0.82	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	2.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.2	0.89	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		77	53-142
Bromofluorobenzene		82	47-138
Toluene-d8		83	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17(4-5')
Date Sampled: 05/10/2014 1535
Date Received: 05/13/2014

Laboratory ID: PE13052-016
Matrix: Solid
% Solids: 88.0 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1822	AAC		46862	5.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/kg	1
Benzene	71-43-2	8260B	ND		5.0	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	0.70	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	0.83	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.67	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.85	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.73	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.76	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.91	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.68	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.82	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.98	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.41	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	2.6	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.47	ug/kg	1
Tetrachloroethene	127-18-4	8260B	0.98	J	5.0	0.50	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17(4-5')
Date Sampled: 05/10/2014 1535
Date Received: 05/13/2014

Laboratory ID: PE13052-016
Matrix: Solid
% Solids: 88.0 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1822	AAC		46862	5.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.63	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.85	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.79	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.0	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.0	0.86	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	2.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142
Bromofluorobenzene		80	47-138
Toluene-d8		84	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17(23-24')
Date Sampled: 05/10/2014 1545
Date Received: 05/13/2014

Laboratory ID: PE13052-017
Matrix: Solid
% Solids: 66.7 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1726	DCS		46852	7.77

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.5	ug/kg	1
Benzene	71-43-2	8260B	ND		4.8	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.8	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.8	0.68	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.8	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.6	2.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.8	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.8	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.8	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.8	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.8	0.80	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.8	0.96	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.8	0.65	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.8	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.8	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.8	0.82	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.8	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.8	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.8	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.8	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.8	0.70	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.8	0.96	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.8	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.8	0.73	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.8	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.8	0.88	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.8	0.66	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.8	0.79	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.8	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.6	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.8	0.22	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.8	0.95	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.8	0.39	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.6	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.8	0.40	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.8	2.5	ug/kg	1
Styrene	100-42-5	8260B	ND		4.8	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.8	0.45	ug/kg	1
Tetrachloroethene	127-18-4	8260B	4.9		4.8	0.48	ug/kg	1
Toluene	108-88-3	8260B	ND		4.8	1.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17(23-24')
Date Sampled: 05/10/2014 1545
Date Received: 05/13/2014

Laboratory ID: PE13052-017
Matrix: Solid
% Solids: 66.7 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1726	DCS		46852	7.77

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.8	0.61	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.8	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.8	0.82	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.8	0.76	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.8	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.8	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.8	0.83	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.8	2.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		115	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		108	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 3, 4 &5
Date Sampled: 05/10/2014 1700
Date Received: 05/13/2014

Laboratory ID: PE13052-018
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/20/2014 0447	PMM2		47080	05/16/2014 1700

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0030	BJ	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18(4-5')
Date Sampled: 05/12/2014 1030
Date Received: 05/13/2014

Laboratory ID: PE13052-019
Matrix: Solid
% Solids: 82.6 05/13/2014 2038

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		990	310	mg/kg	2

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1908	DCS		46852	4.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.1	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.1	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.1	0.86	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	2.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.1	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.1	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.1	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.1	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.1	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.1	0.82	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.1	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.1	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.1	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	0.89	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	0.93	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	0.83	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.1	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.1	0.28	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.1	1.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18(4-5')
Date Sampled: 05/12/2014 1030
Date Received: 05/13/2014

Laboratory ID: PE13052-019
Matrix: Solid
% Solids: 82.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1908	DCS		46852	4.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	0.49	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.1	0.50	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.1	3.2	ug/kg	1
Styrene	100-42-5	8260B	ND		6.1	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	0.57	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.0	J	6.1	0.61	ug/kg	1
Toluene	108-88-3	8260B	ND		6.1	2.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.1	0.77	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.1	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	0.97	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.1	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.1	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.1	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.1	3.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		119	53-142
Bromofluorobenzene		107	47-138
Toluene-d8		114	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18(12-13')
Date Sampled: 05/12/2014 1045
Date Received: 05/13/2014

Laboratory ID: PE13052-020
Matrix: Solid
% Solids: 83.1 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1932	DCS		46852	5.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.7	ug/kg	1
Benzene	71-43-2	8260B	ND		5.7	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.7	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.7	0.80	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.7	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.7	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.7	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.7	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.7	0.95	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.7	0.77	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.7	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	0.97	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.7	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	0.84	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.7	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.7	0.87	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	0.78	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	0.94	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.7	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.7	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.7	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	0.46	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.7	0.47	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.7	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.7	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	0.54	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.7	0.57	ug/kg	1
Toluene	108-88-3	8260B	ND		5.7	1.9	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18(12-13')
Date Sampled: 05/12/2014 1045
Date Received: 05/13/2014

Laboratory ID: PE13052-020
Matrix: Solid
% Solids: 83.1 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1932	DCS		46852	5.25

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.7	0.72	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.7	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.7	0.97	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	0.91	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.7	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.7	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.7	0.99	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.7	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		111	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18(38-39')
Date Sampled: 05/12/2014 1100
Date Received: 05/13/2014

Laboratory ID: PE13052-021
Matrix: Solid
% Solids: 77.2 05/13/2014 2038

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		99	31	mg/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12 (0-1')
Date Sampled: 05/12/2014 1700
Date Received: 05/13/2014

Laboratory ID: PE13052-022
Matrix: Solid
% Solids: 74.0 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1956	DCS		46852	5.30

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	80		25	8.5	ug/kg	1
Benzene	71-43-2	8260B	ND		6.4	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	0.89	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.4	0.86	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	0.93	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	0.97	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	0.87	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.4	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.4	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	0.51	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.4	0.52	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	3.3	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	0.60	ug/kg	1
Tetrachloroethene	127-18-4	8260B	25		6.4	0.64	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12 (0-1')
Date Sampled: 05/12/2014 1700
Date Received: 05/13/2014

Laboratory ID: PE13052-022
Matrix: Solid
% Solids: 74.0 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1956	DCS		46852	5.30

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	0.80	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.4	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		123	53-142
Bromofluorobenzene		114	47-138
Toluene-d8		117	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12 (33-34')
Date Sampled: 05/12/2014 1720
Date Received: 05/13/2014

Laboratory ID: PE13052-024
Matrix: Solid
% Solids: 76.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1845	AAC		46862	5.99
3	5035	8260B	1	05/19/2014 2016	AAC		47066	5.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		22	7.3	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	0.76	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	1.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	1.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	0.90	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	0.73	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	1.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	0.93	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	1.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	0.80	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	0.83	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	1.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	0.99	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	0.74	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	0.89	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	0.25	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	1.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	0.44	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	0.45	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	2.8	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	0.51	ug/kg	1
Tetrachloroethene	127-18-4	8260B	470	E	5.9	0.59	ug/kg	3

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12 (33-34')
Date Sampled: 05/12/2014 1720
Date Received: 05/13/2014

Laboratory ID: PE13052-024
Matrix: Solid
% Solids: 76.6 05/13/2014 2038

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/15/2014 1845	AAC		46862	5.99
3	5035	8260B	1	05/19/2014 2016	AAC		47066	5.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.4	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	0.69	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	0.93	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	0.86	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	1.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.4	0.94	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	3.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		76	53-142		92	53-142
Bromofluorobenzene		80	47-138		97	47-138
Toluene-d8		85	68-124		104	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/12/14
Date Sampled: 05/12/2014
Date Received: 05/13/2014

Laboratory ID: PE13052-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2014 1530	JHD		47055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5/12/14
Date Sampled: 05/12/2014
Date Received: 05/13/2014

Laboratory ID: PE13052-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2014 1530	JHD		47055

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Inorganic non-metals - MB

Sample ID: PQ48123-001
Batch: 48123
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
TOC	ND		1	100	31	mg/kg	06/03/2014 1420

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: PQ48123-002
Batch: 48123
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1200		1	115	80-120	06/03/2014 1420

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: PQ48123-003
Batch: 48123
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1200		1	115	0.00	80-120	20	06/03/2014 1420

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46852-001
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/15/2014 1413
Benzene	ND		1	5.0	1.1	ug/kg	05/15/2014 1413
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
Bromoform	ND		1	5.0	0.70	ug/kg	05/15/2014 1413
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/15/2014 1413
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/15/2014 1413
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/15/2014 1413
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/15/2014 1413
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
Chloroethane	ND		1	5.0	1.3	ug/kg	05/15/2014 1413
Chloroform	ND		1	5.0	0.83	ug/kg	05/15/2014 1413
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/15/2014 1413
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/15/2014 1413
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/15/2014 1413
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/15/2014 1413
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/15/2014 1413
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/15/2014 1413
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/15/2014 1413
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/15/2014 1413
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/15/2014 1413
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/15/2014 1413
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/15/2014 1413
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/15/2014 1413
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
2-Hexanone	ND		1	10	1.3	ug/kg	05/15/2014 1413
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/15/2014 1413
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/15/2014 1413
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/15/2014 1413
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/15/2014 1413
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/15/2014 1413
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/15/2014 1413
Styrene	ND		1	5.0	1.1	ug/kg	05/15/2014 1413
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/15/2014 1413
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/15/2014 1413
Toluene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/15/2014 1413
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1413
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/15/2014 1413
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/15/2014 1413

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46852-001
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/15/2014 1413
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/15/2014 1413
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/15/2014 1413
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/15/2014 1413

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		112	53-142
Toluene-d8		110	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46852-002
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	90		1	90	60-140	05/15/2014 1147
Benzene	50	39		1	78	69-123	05/15/2014 1147
Bromodichloromethane	50	43		1	86	69-121	05/15/2014 1147
Bromoform	50	45		1	91	61-119	05/15/2014 1147
Bromomethane (Methyl bromide)	50	35		1	69	10-168	05/15/2014 1147
2-Butanone (MEK)	100	99		1	99	57-148	05/15/2014 1147
Carbon disulfide	50	34		1	68	58-122	05/15/2014 1147
Carbon tetrachloride	50	38		1	75	58-136	05/15/2014 1147
Chlorobenzene	50	41		1	82	59-129	05/15/2014 1147
Chloroethane	50	35		1	69	42-163	05/15/2014 1147
Chloroform	50	41		1	81	71-125	05/15/2014 1147
Chloromethane (Methyl chloride)	50	31		1	63	34-134	05/15/2014 1147
Cyclohexane	50	34		1	69	53-139	05/15/2014 1147
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	88	55-125	05/15/2014 1147
Dibromochloromethane	50	44		1	89	66-119	05/15/2014 1147
1,2-Dibromoethane (EDB)	50	46		1	91	74-124	05/15/2014 1147
1,4-Dichlorobenzene	50	40		1	79	52-133	05/15/2014 1147
1,2-Dichlorobenzene	50	41		1	82	57-131	05/15/2014 1147
1,3-Dichlorobenzene	50	39		1	79	51-134	05/15/2014 1147
Dichlorodifluoromethane	50	35		1	70	10-157	05/15/2014 1147
1,2-Dichloroethane	50	44		1	88	67-129	05/15/2014 1147
1,1-Dichloroethane	50	39		1	78	71-127	05/15/2014 1147
1,1-Dichloroethene	50	36		1	72	69-138	05/15/2014 1147
trans-1,2-Dichloroethene	50	38		1	77	68-131	05/15/2014 1147
cis-1,2-Dichloroethene	50	39		1	79	70-122	05/15/2014 1147
1,2-Dichloropropane	50	42		1	83	72-124	05/15/2014 1147
trans-1,3-Dichloropropene	50	45		1	89	70-124	05/15/2014 1147
cis-1,3-Dichloropropene	50	45		1	89	70-126	05/15/2014 1147
Ethylbenzene	50	38		1	77	59-128	05/15/2014 1147
2-Hexanone	100	92		1	92	54-137	05/15/2014 1147
Isopropylbenzene	50	40		1	80	50-136	05/15/2014 1147
Methyl acetate	50	50		1	100	59-137	05/15/2014 1147
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	05/15/2014 1147
4-Methyl-2-pentanone	100	94		1	94	60-134	05/15/2014 1147
Methylcyclohexane	50	36		1	71	41-144	05/15/2014 1147
Methylene chloride	50	39		1	78	70-130	05/15/2014 1147
Styrene	50	41		1	82	54-136	05/15/2014 1147
1,1,2,2-Tetrachloroethane	50	46		1	92	69-132	05/15/2014 1147
Tetrachloroethene	50	38		1	76	45-150	05/15/2014 1147
Toluene	50	41		1	82	61-129	05/15/2014 1147
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	37		1	75	49-136	05/15/2014 1147
1,2,4-Trichlorobenzene	50	37		1	73	34-145	05/15/2014 1147
1,1,1-Trichloroethane	50	38		1	76	63-128	05/15/2014 1147
1,1,2-Trichloroethane	50	44		1	87	55-128	05/15/2014 1147

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46852-002
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	39		1	78	62-126	05/15/2014 1147
Trichlorofluoromethane	50	29		1	58	45-138	05/15/2014 1147
Vinyl chloride	50	32		1	65	42-132	05/15/2014 1147
Xylenes (total)	100	80		1	80	58-128	05/15/2014 1147

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	47-138
1,2-Dichloroethane-d4		115	53-142
Toluene-d8		116	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46852-003
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	83		1	83	8.2	60-140	20	05/15/2014 1238
Benzene	50	39		1	77	0.64	69-123	20	05/15/2014 1238
Bromodichloromethane	50	42		1	84	3.2	69-121	20	05/15/2014 1238
Bromoform	50	43		1	85	6.0	61-119	20	05/15/2014 1238
Bromomethane (Methyl bromide)	50	34		1	68	1.6	10-168	20	05/15/2014 1238
2-Butanone (MEK)	100	92		1	92	7.6	57-148	20	05/15/2014 1238
Carbon disulfide	50	34		1	69	0.49	58-122	20	05/15/2014 1238
Carbon tetrachloride	50	37		1	74	1.4	58-136	20	05/15/2014 1238
Chlorobenzene	50	41		1	81	0.71	59-129	20	05/15/2014 1238
Chloroethane	50	34		1	68	2.2	42-163	20	05/15/2014 1238
Chloroform	50	41		1	82	0.96	71-125	20	05/15/2014 1238
Chloromethane (Methyl chloride)	50	31		1	63	0.083	34-134	20	05/15/2014 1238
Cyclohexane	50	34		1	68	0.46	53-139	20	05/15/2014 1238
1,2-Dibromo-3-chloropropane (DBCP)	50	37		1	75	16	55-125	20	05/15/2014 1238
Dibromochloromethane	50	43		1	86	2.5	66-119	20	05/15/2014 1238
1,2-Dibromoethane (EDB)	50	45		1	90	2.1	74-124	20	05/15/2014 1238
1,4-Dichlorobenzene	50	41		1	81	2.5	52-133	20	05/15/2014 1238
1,2-Dichlorobenzene	50	41		1	81	0.84	57-131	20	05/15/2014 1238
1,3-Dichlorobenzene	50	40		1	80	1.7	51-134	20	05/15/2014 1238
Dichlorodifluoromethane	50	35		1	69	0.80	10-157	20	05/15/2014 1238
1,2-Dichloroethane	50	44		1	88	1.0	67-129	20	05/15/2014 1238
1,1-Dichloroethane	50	38		1	76	3.0	71-127	20	05/15/2014 1238
1,1-Dichloroethene	50	36		1	72	1.2	69-138	20	05/15/2014 1238
trans-1,2-Dichloroethene	50	38		1	76	1.2	68-131	20	05/15/2014 1238
cis-1,2-Dichloroethene	50	40		1	80	1.9	70-122	20	05/15/2014 1238
1,2-Dichloropropane	50	41		1	82	1.7	72-124	20	05/15/2014 1238
trans-1,3-Dichloropropene	50	45		1	89	0.11	70-124	20	05/15/2014 1238
cis-1,3-Dichloropropene	50	44		1	88	1.5	70-126	20	05/15/2014 1238
Ethylbenzene	50	38		1	76	0.91	59-128	20	05/15/2014 1238
2-Hexanone	100	83		1	83	9.8	54-137	20	05/15/2014 1238
Isopropylbenzene	50	41		1	83	3.5	50-136	20	05/15/2014 1238
Methyl acetate	50	48		1	97	3.1	59-137	20	05/15/2014 1238
Methyl tertiary butyl ether (MTBE)	50	42		1	84	6.2	70-130	20	05/15/2014 1238
4-Methyl-2-pentanone	100	87		1	87	7.6	60-134	20	05/15/2014 1238
Methylcyclohexane	50	35		1	69	2.8	41-144	20	05/15/2014 1238
Methylene chloride	50	39		1	77	1.4	70-130	20	05/15/2014 1238
Styrene	50	40		1	80	2.5	54-136	20	05/15/2014 1238
1,1,2,2-Tetrachloroethane	50	44		1	88	3.9	69-132	20	05/15/2014 1238
Tetrachloroethene	50	38		1	77	0.98	45-150	20	05/15/2014 1238
Toluene	50	40		1	80	1.5	61-129	20	05/15/2014 1238
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	37		1	74	0.82	49-136	20	05/15/2014 1238
1,2,4-Trichlorobenzene	50	40		1	80	9.2	34-145	20	05/15/2014 1238
1,1,1-Trichloroethane	50	37		1	75	1.5	63-128	20	05/15/2014 1238
1,1,2-Trichloroethane	50	43		1	86	1.5	55-128	20	05/15/2014 1238

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46852-003
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	38		1	77	1.6	62-126	20	05/15/2014 1238
Trichlorofluoromethane	50	29		1	58	0.37	45-138	20	05/15/2014 1238
Vinyl chloride	50	32		1	64	1.6	42-132	20	05/15/2014 1238
Xylenes (total)	100	80		1	80	0.95	58-128	20	05/15/2014 1238

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	47-138
1,2-Dichloroethane-d4		114	53-142
Toluene-d8		116	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-022MS
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	80	110	140	N	1	58	60-140	05/15/2014 2020
Benzene	ND	55	47		1	86	69-123	05/15/2014 2020
Bromodichloromethane	ND	55	52		1	95	69-121	05/15/2014 2020
Bromoform	ND	55	53		1	96	61-119	05/15/2014 2020
Bromomethane (Methyl bromide)	ND	55	43		1	79	35-144	05/15/2014 2020
2-Butanone (MEK)	ND	110	120		1	106	57-148	05/15/2014 2020
Carbon disulfide	ND	55	43		1	79	58-122	05/15/2014 2020
Carbon tetrachloride	ND	55	51		1	94	58-136	05/15/2014 2020
Chlorobenzene	ND	55	48		1	88	59-129	05/15/2014 2020
Chloroethane	ND	55	44		1	80	50-132	05/15/2014 2020
Chloroform	ND	55	51		1	94	71-125	05/15/2014 2020
Chloromethane (Methyl chloride)	ND	55	41		1	74	34-134	05/15/2014 2020
Cyclohexane	ND	55	45		1	82	53-139	05/15/2014 2020
1,2-Dibromo-3-chloropropane (DBCP)	ND	55	48		1	88	55-125	05/15/2014 2020
Dibromochloromethane	ND	55	53		1	97	66-119	05/15/2014 2020
1,2-Dibromoethane (EDB)	ND	55	54		1	100	74-124	05/15/2014 2020
1,2-Dichlorobenzene	ND	55	44		1	81	57-131	05/15/2014 2020
1,3-Dichlorobenzene	ND	55	44		1	81	51-134	05/15/2014 2020
1,4-Dichlorobenzene	ND	55	43		1	79	52-133	05/15/2014 2020
Dichlorodifluoromethane	ND	55	49		1	90	10-157	05/15/2014 2020
1,1-Dichloroethane	ND	55	49		1	90	71-127	05/15/2014 2020
1,2-Dichloroethane	ND	55	56		1	103	67-129	05/15/2014 2020
1,1-Dichloroethene	ND	55	48		1	87	69-138	05/15/2014 2020
cis-1,2-Dichloroethene	ND	55	49		1	90	70-122	05/15/2014 2020
trans-1,2-Dichloroethene	ND	55	49		1	90	68-131	05/15/2014 2020
1,2-Dichloropropane	ND	55	49		1	90	72-124	05/15/2014 2020
cis-1,3-Dichloropropene	ND	55	53		1	96	70-126	05/15/2014 2020
trans-1,3-Dichloropropene	ND	55	53		1	96	70-124	05/15/2014 2020
Ethylbenzene	ND	55	47		1	85	59-128	05/15/2014 2020
2-Hexanone	ND	110	99		1	91	54-137	05/15/2014 2020
Isopropylbenzene	ND	55	50		1	91	50-136	05/15/2014 2020
Methyl acetate	ND	55	63		1	115	59-137	05/15/2014 2020
Methyl tertiary butyl ether (MTBE)	ND	55	54		1	99	70-130	05/15/2014 2020
4-Methyl-2-pentanone	ND	110	110		1	99	60-134	05/15/2014 2020
Methylcyclohexane	ND	55	43		1	78	41-144	05/15/2014 2020
Methylene chloride	ND	55	48		1	88	77-129	05/15/2014 2020
Styrene	ND	55	47		1	86	54-136	05/15/2014 2020
1,1,2,2-Tetrachloroethane	ND	55	54		1	99	69-132	05/15/2014 2020
Tetrachloroethene	25	55	93		1	124	70-130	05/15/2014 2020
Toluene	ND	55	49		1	91	61-129	05/15/2014 2020
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	55	51		1	94	49-136	05/15/2014 2020
1,2,4-Trichlorobenzene	ND	55	37		1	67	34-145	05/15/2014 2020
1,1,1-Trichloroethane	ND	55	50		1	92	63-128	05/15/2014 2020
1,1,2-Trichloroethane	ND	55	52		1	94	55-128	05/15/2014 2020

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-022MS
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	55	48		1	89	62-126	05/15/2014 2020
Trichlorofluoromethane	ND	55	28		1	52	45-138	05/15/2014 2020
Vinyl chloride	ND	55	43		1	79	42-132	05/15/2014 2020
Xylenes (total)	ND	110	94		1	86	58-128	05/15/2014 2020

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		115	53-142
Bromofluorobenzene		112	47-138
Toluene-d8		114	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PE13052-022MD
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	80	120	110	N,+	1	29	22	60-140	20	05/15/2014 2044
Benzene	ND	59	43		1	73	10	69-123	20	05/15/2014 2044
Bromodichloromethane	ND	59	47		1	80	10	69-121	20	05/15/2014 2044
Bromoform	ND	59	46		1	78	13	61-119	20	05/15/2014 2044
Bromomethane (Methyl bromide)	ND	59	40		1	68	7.3	35-144	20	05/15/2014 2044
2-Butanone (MEK)	ND	120	100		1	87	12	57-148	20	05/15/2014 2044
Carbon disulfide	ND	59	39		1	66	10	58-122	20	05/15/2014 2044
Carbon tetrachloride	ND	59	44		1	74	16	58-136	20	05/15/2014 2044
Chlorobenzene	ND	59	41		1	71	14	59-129	20	05/15/2014 2044
Chloroethane	ND	59	41		1	69	7.7	50-132	20	05/15/2014 2044
Chloroform	ND	59	44		1	75	16	71-125	20	05/15/2014 2044
Chloromethane (Methyl chloride)	ND	59	36		1	62	12	34-134	20	05/15/2014 2044
Cyclohexane	ND	59	38		1	65	16	53-139	20	05/15/2014 2044
1,2-Dibromo-3-chloropropane (DBCP)	ND	59	41		1	70	15	55-125	20	05/15/2014 2044
Dibromochloromethane	ND	59	47		1	80	12	66-119	20	05/15/2014 2044
1,2-Dibromoethane (EDB)	ND	59	47		1	81	14	74-124	20	05/15/2014 2044
1,2-Dichlorobenzene	ND	59	37		1	63	18	57-131	20	05/15/2014 2044
1,3-Dichlorobenzene	ND	59	37		1	64	17	51-134	20	05/15/2014 2044
1,4-Dichlorobenzene	ND	59	36		1	62	18	52-133	20	05/15/2014 2044
Dichlorodifluoromethane	ND	59	45		1	76	9.6	10-157	20	05/15/2014 2044
1,1-Dichloroethane	ND	59	41	N	1	70	18	71-127	20	05/15/2014 2044
1,2-Dichloroethane	ND	59	47		1	80	18	67-129	20	05/15/2014 2044
1,1-Dichloroethene	ND	59	43		1	72	11	69-138	20	05/15/2014 2044
cis-1,2-Dichloroethene	ND	59	42		1	71	16	70-122	20	05/15/2014 2044
trans-1,2-Dichloroethene	ND	59	41		1	70	17	68-131	20	05/15/2014 2044
1,2-Dichloropropane	ND	59	44		1	75	10	72-124	20	05/15/2014 2044
cis-1,3-Dichloropropene	ND	59	47		1	80	11	70-126	20	05/15/2014 2044
trans-1,3-Dichloropropene	ND	59	48		1	82	9.4	70-124	20	05/15/2014 2044
Ethylbenzene	ND	59	40		1	69	14	59-128	20	05/15/2014 2044
2-Hexanone	ND	120	93		1	79	6.7	54-137	20	05/15/2014 2044
Isopropylbenzene	ND	59	43		1	72	15	50-136	20	05/15/2014 2044
Methyl acetate	ND	59	57		1	98	9.2	59-137	20	05/15/2014 2044
Methyl tertiary butyl ether (MTBE)	ND	59	43	+	1	73	22	70-130	20	05/15/2014 2044
4-Methyl-2-pentanone	ND	120	99		1	84	8.9	60-134	20	05/15/2014 2044
Methylcyclohexane	ND	59	37		1	63	14	41-144	20	05/15/2014 2044
Methylene chloride	ND	59	40	N	1	68	17	77-129	20	05/15/2014 2044
Styrene	ND	59	41		1	69	15	54-136	20	05/15/2014 2044
1,1,2,2-Tetrachloroethane	ND	59	46		1	79	16	69-132	20	05/15/2014 2044
Tetrachloroethene	25	59	72	+	1	80	25	70-130	20	05/15/2014 2044
Toluene	ND	59	44		1	76	11	61-129	20	05/15/2014 2044
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	59	44		1	75	15	49-136	20	05/15/2014 2044
1,2,4-Trichlorobenzene	ND	59	32		1	55	13	34-145	20	05/15/2014 2044
1,1,1-Trichloroethane	ND	59	43		1	74	15	63-128	20	05/15/2014 2044
1,1,2-Trichloroethane	ND	59	45		1	77	13	55-128	20	05/15/2014 2044

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PE13052-022MD
Batch: 46852
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	59	43		1	73	12	62-126	20	05/15/2014 2044
Trichlorofluoromethane	ND	59	36	+	1	62	25	45-138	20	05/15/2014 2044
Vinyl chloride	ND	59	39		1	66	9.9	42-132	20	05/15/2014 2044
Xylenes (total)	ND	120	81		1	69	14	58-128	20	05/15/2014 2044

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		112	53-142
Bromofluorobenzene		108	47-138
Toluene-d8		113	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46862-001
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/15/2014 1248
Benzene	ND		1	5.0	1.1	ug/kg	05/15/2014 1248
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
Bromoform	ND		1	5.0	0.70	ug/kg	05/15/2014 1248
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/15/2014 1248
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/15/2014 1248
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/15/2014 1248
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/15/2014 1248
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
Chloroethane	ND		1	5.0	1.3	ug/kg	05/15/2014 1248
Chloroform	ND		1	5.0	0.83	ug/kg	05/15/2014 1248
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/15/2014 1248
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/15/2014 1248
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/15/2014 1248
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/15/2014 1248
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/15/2014 1248
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/15/2014 1248
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/15/2014 1248
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/15/2014 1248
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/15/2014 1248
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/15/2014 1248
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/15/2014 1248
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/15/2014 1248
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
2-Hexanone	ND		1	10	1.3	ug/kg	05/15/2014 1248
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/15/2014 1248
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/15/2014 1248
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/15/2014 1248
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/15/2014 1248
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/15/2014 1248
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/15/2014 1248
Styrene	ND		1	5.0	1.1	ug/kg	05/15/2014 1248
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/15/2014 1248
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/15/2014 1248
Toluene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/15/2014 1248
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 1248
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/15/2014 1248
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/15/2014 1248

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46862-001
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/15/2014 1248
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/15/2014 1248
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/15/2014 1248
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/15/2014 1248

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		81	47-138
1,2-Dichloroethane-d4		74	53-142
Toluene-d8		82	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46862-002
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	115	60-140	05/15/2014 1116
Benzene	50	40		1	81	69-123	05/15/2014 1116
Bromodichloromethane	50	42		1	84	69-121	05/15/2014 1116
Bromoform	50	42		1	83	61-119	05/15/2014 1116
Bromomethane (Methyl bromide)	50	40		1	80	10-168	05/15/2014 1116
2-Butanone (MEK)	100	94		1	94	57-148	05/15/2014 1116
Carbon disulfide	50	37		1	75	58-122	05/15/2014 1116
Carbon tetrachloride	50	41		1	82	58-136	05/15/2014 1116
Chlorobenzene	50	39		1	78	59-129	05/15/2014 1116
Chloroethane	50	39		1	79	42-163	05/15/2014 1116
Chloroform	50	41		1	81	71-125	05/15/2014 1116
Chloromethane (Methyl chloride)	50	37		1	75	34-134	05/15/2014 1116
Cyclohexane	50	40		1	81	53-139	05/15/2014 1116
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	83	55-125	05/15/2014 1116
Dibromochloromethane	50	40		1	81	66-119	05/15/2014 1116
1,2-Dibromoethane (EDB)	50	41		1	82	74-124	05/15/2014 1116
1,4-Dichlorobenzene	50	39		1	78	52-133	05/15/2014 1116
1,3-Dichlorobenzene	50	39		1	78	51-134	05/15/2014 1116
1,2-Dichlorobenzene	50	40		1	80	57-131	05/15/2014 1116
Dichlorodifluoromethane	50	38		1	77	10-157	05/15/2014 1116
1,2-Dichloroethane	50	41		1	83	67-129	05/15/2014 1116
1,1-Dichloroethane	50	40		1	80	71-127	05/15/2014 1116
trans-1,2-Dichloroethene	50	40		1	80	68-131	05/15/2014 1116
cis-1,2-Dichloroethene	50	41		1	81	70-122	05/15/2014 1116
1,1-Dichloroethene	50	39		1	79	69-138	05/15/2014 1116
1,2-Dichloropropane	50	41		1	82	72-124	05/15/2014 1116
trans-1,3-Dichloropropene	50	42		1	83	70-124	05/15/2014 1116
cis-1,3-Dichloropropene	50	43		1	86	70-126	05/15/2014 1116
Ethylbenzene	50	40		1	81	59-128	05/15/2014 1116
2-Hexanone	100	92		1	92	54-137	05/15/2014 1116
Isopropylbenzene	50	39		1	79	50-136	05/15/2014 1116
Methyl acetate	50	44		1	89	59-137	05/15/2014 1116
Methyl tertiary butyl ether (MTBE)	50	39		1	79	70-130	05/15/2014 1116
4-Methyl-2-pentanone	100	91		1	91	60-134	05/15/2014 1116
Methylcyclohexane	50	41		1	81	41-144	05/15/2014 1116
Methylene chloride	50	39		1	78	70-130	05/15/2014 1116
Styrene	50	41		1	82	54-136	05/15/2014 1116
1,1,2,2-Tetrachloroethane	50	40		1	80	69-132	05/15/2014 1116
Tetrachloroethene	50	39		1	78	45-150	05/15/2014 1116
Toluene	50	42		1	83	61-129	05/15/2014 1116
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	39		1	78	49-136	05/15/2014 1116
1,2,4-Trichlorobenzene	50	41		1	81	34-145	05/15/2014 1116
1,1,2-Trichloroethane	50	38		1	77	55-128	05/15/2014 1116
1,1,1-Trichloroethane	50	40		1	81	63-128	05/15/2014 1116

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46862-002
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	81	62-126	05/15/2014 1116
Trichlorofluoromethane	50	40		1	80	45-138	05/15/2014 1116
Vinyl chloride	50	39		1	78	42-132	05/15/2014 1116
Xylenes (total)	100	81		1	81	58-128	05/15/2014 1116

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		80	53-142
Toluene-d8		87	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46862-003
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	116	0.57	60-140	20	05/15/2014 1139
Benzene	50	40		1	80	0.99	69-123	20	05/15/2014 1139
Bromodichloromethane	50	41		1	83	0.76	69-121	20	05/15/2014 1139
Bromoform	50	40		1	80	4.1	61-119	20	05/15/2014 1139
Bromomethane (Methyl bromide)	50	40		1	81	0.82	10-168	20	05/15/2014 1139
2-Butanone (MEK)	100	89		1	89	5.9	57-148	20	05/15/2014 1139
Carbon disulfide	50	36		1	73	3.0	58-122	20	05/15/2014 1139
Carbon tetrachloride	50	40		1	80	2.1	58-136	20	05/15/2014 1139
Chlorobenzene	50	39		1	78	0.62	59-129	20	05/15/2014 1139
Chloroethane	50	40		1	79	0.59	42-163	20	05/15/2014 1139
Chloroform	50	40		1	79	2.6	71-125	20	05/15/2014 1139
Chloromethane (Methyl chloride)	50	37		1	75	0.39	34-134	20	05/15/2014 1139
Cyclohexane	50	39		1	78	3.7	53-139	20	05/15/2014 1139
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	82	0.48	55-125	20	05/15/2014 1139
Dibromochloromethane	50	40		1	80	0.99	66-119	20	05/15/2014 1139
1,2-Dibromoethane (EDB)	50	40		1	79	3.3	74-124	20	05/15/2014 1139
1,4-Dichlorobenzene	50	40		1	80	3.4	52-133	20	05/15/2014 1139
1,3-Dichlorobenzene	50	40		1	79	1.7	51-134	20	05/15/2014 1139
1,2-Dichlorobenzene	50	42		1	84	4.1	57-131	20	05/15/2014 1139
Dichlorodifluoromethane	50	38		1	76	1.5	10-157	20	05/15/2014 1139
1,2-Dichloroethane	50	41		1	83	0.11	67-129	20	05/15/2014 1139
1,1-Dichloroethane	50	39		1	78	2.4	71-127	20	05/15/2014 1139
trans-1,2-Dichloroethene	50	40		1	79	1.3	68-131	20	05/15/2014 1139
cis-1,2-Dichloroethene	50	40		1	81	0.41	70-122	20	05/15/2014 1139
1,1-Dichloroethene	50	38		1	76	3.9	69-138	20	05/15/2014 1139
1,2-Dichloropropane	50	40		1	81	1.6	72-124	20	05/15/2014 1139
trans-1,3-Dichloropropene	50	41		1	82	1.3	70-124	20	05/15/2014 1139
cis-1,3-Dichloropropene	50	42		1	84	2.3	70-126	20	05/15/2014 1139
Ethylbenzene	50	39		1	77	4.5	59-128	20	05/15/2014 1139
2-Hexanone	100	84		1	84	9.2	54-137	20	05/15/2014 1139
Isopropylbenzene	50	40		1	81	2.2	50-136	20	05/15/2014 1139
Methyl acetate	50	43		1	86	3.4	59-137	20	05/15/2014 1139
Methyl tertiary butyl ether (MTBE)	50	40		1	81	2.2	70-130	20	05/15/2014 1139
4-Methyl-2-pentanone	100	84		1	84	8.3	60-134	20	05/15/2014 1139
Methylcyclohexane	50	39		1	78	4.4	41-144	20	05/15/2014 1139
Methylene chloride	50	39		1	79	1.7	70-130	20	05/15/2014 1139
Styrene	50	39		1	79	4.0	54-136	20	05/15/2014 1139
1,1,2,2-Tetrachloroethane	50	42		1	85	5.4	69-132	20	05/15/2014 1139
Tetrachloroethene	50	37		1	74	5.7	45-150	20	05/15/2014 1139
Toluene	50	41		1	81	2.5	61-129	20	05/15/2014 1139
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	41		1	82	4.1	49-136	20	05/15/2014 1139
1,2,4-Trichlorobenzene	50	44		1	87	7.1	34-145	20	05/15/2014 1139
1,1,2-Trichloroethane	50	39		1	77	0.64	55-128	20	05/15/2014 1139
1,1,1-Trichloroethane	50	39		1	79	2.2	63-128	20	05/15/2014 1139

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46862-003
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	39		1	78	3.8	62-126	20	05/15/2014 1139
Trichlorofluoromethane	50	40		1	81	1.3	45-138	20	05/15/2014 1139
Vinyl chloride	50	38		1	77	2.1	42-132	20	05/15/2014 1139
Xylenes (total)	100	78		1	78	3.2	58-128	20	05/15/2014 1139

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		81	47-138
1,2-Dichloroethane-d4		79	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PE13052-003DU
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	ND	ND		1	0.00	20	05/15/2014 1955
Benzene	ND	ND		1	0.00	20	05/15/2014 1955
Bromodichloromethane	ND	ND		1	0.00	20	05/15/2014 1955
Bromoform	ND	ND		1	0.00	20	05/15/2014 1955
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	05/15/2014 1955
2-Butanone (MEK)	ND	ND		1	0.00	20	05/15/2014 1955
Carbon disulfide	ND	ND		1	0.00	20	05/15/2014 1955
Carbon tetrachloride	ND	ND		1	0.00	20	05/15/2014 1955
Chlorobenzene	ND	ND		1	0.00	20	05/15/2014 1955
Chloroethane	ND	ND		1	0.00	20	05/15/2014 1955
Chloroform	ND	ND		1	0.00	20	05/15/2014 1955
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	05/15/2014 1955
Cyclohexane	ND	ND		1	0.00	20	05/15/2014 1955
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	05/15/2014 1955
Dibromochloromethane	ND	ND		1	0.00	20	05/15/2014 1955
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	05/15/2014 1955
1,2-Dichlorobenzene	ND	ND		1	0.00	20	05/15/2014 1955
1,3-Dichlorobenzene	ND	ND		1	0.00	20	05/15/2014 1955
1,4-Dichlorobenzene	ND	ND		1	0.00	20	05/15/2014 1955
Dichlorodifluoromethane	ND	ND		1	0.00	20	05/15/2014 1955
1,1-Dichloroethane	ND	ND		1	0.00	20	05/15/2014 1955
1,2-Dichloroethane	ND	ND		1	0.00	20	05/15/2014 1955
1,1-Dichloroethene	ND	ND		1	0.00	20	05/15/2014 1955
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	05/15/2014 1955
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	05/15/2014 1955
1,2-Dichloropropane	ND	ND		1	0.00	20	05/15/2014 1955
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	05/15/2014 1955
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	05/15/2014 1955
Ethylbenzene	ND	ND		1	0.00	20	05/15/2014 1955
2-Hexanone	ND	ND		1	0.00	20	05/15/2014 1955
Isopropylbenzene	ND	ND		1	0.00	20	05/15/2014 1955
Methyl acetate	ND	ND		1	0.00	20	05/15/2014 1955
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	05/15/2014 1955
4-Methyl-2-pentanone	ND	ND		1	0.00	20	05/15/2014 1955
Methylcyclohexane	ND	ND		1	0.00	20	05/15/2014 1955
Methylene chloride	ND	ND		1	0.00	20	05/15/2014 1955
Styrene	ND	ND		1	0.00	20	05/15/2014 1955
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	05/15/2014 1955
Tetrachloroethene	68	7.2	+	1	160	20	05/15/2014 1955
Toluene	ND	ND		1	0.00	20	05/15/2014 1955
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	05/15/2014 1955
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	05/15/2014 1955
1,1,1-Trichloroethane	ND	ND		1	0.00	20	05/15/2014 1955
1,1,2-Trichloroethane	ND	ND		1	0.00	20	05/15/2014 1955

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PE13052-003DU
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	ND	ND		1	0.00	20	05/15/2014 1955
Trichlorofluoromethane	ND	ND		1	0.00	20	05/15/2014 1955
Vinyl chloride	ND	ND		1	0.00	20	05/15/2014 1955
Xylenes (total)	ND	ND		1	0.00	20	05/15/2014 1955

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		77	53-142
Bromofluorobenzene		79	47-138
Toluene-d8		84	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-004MS
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	110	98		1	89	60-140	05/15/2014 2018
Benzene	ND	55	48		1	87	69-123	05/15/2014 2018
Bromodichloromethane	ND	55	47		1	86	69-121	05/15/2014 2018
Bromoform	ND	55	44		1	80	61-119	05/15/2014 2018
Bromomethane (Methyl bromide)	ND	55	49		1	88	35-144	05/15/2014 2018
2-Butanone (MEK)	ND	110	91		1	82	57-148	05/15/2014 2018
Carbon disulfide	ND	55	45		1	82	58-122	05/15/2014 2018
Carbon tetrachloride	ND	55	50		1	91	58-136	05/15/2014 2018
Chlorobenzene	ND	55	44		1	80	59-129	05/15/2014 2018
Chloroethane	ND	55	51		1	92	50-132	05/15/2014 2018
Chloroform	ND	55	48		1	87	71-125	05/15/2014 2018
Chloromethane (Methyl chloride)	ND	55	48		1	86	34-134	05/15/2014 2018
Cyclohexane	ND	55	50		1	90	53-139	05/15/2014 2018
1,2-Dibromo-3-chloropropane (DBCP)	ND	55	44		1	81	55-125	05/15/2014 2018
Dibromochloromethane	ND	55	46		1	84	66-119	05/15/2014 2018
1,2-Dibromoethane (EDB)	ND	55	44		1	80	74-124	05/15/2014 2018
1,2-Dichlorobenzene	ND	55	43		1	77	57-131	05/15/2014 2018
1,3-Dichlorobenzene	ND	55	42		1	75	51-134	05/15/2014 2018
1,4-Dichlorobenzene	ND	55	41		1	75	52-133	05/15/2014 2018
Dichlorodifluoromethane	ND	55	52		1	95	10-157	05/15/2014 2018
1,1-Dichloroethane	ND	55	48		1	88	71-127	05/15/2014 2018
1,2-Dichloroethane	ND	55	47		1	85	67-129	05/15/2014 2018
1,1-Dichloroethene	ND	55	49		1	89	69-138	05/15/2014 2018
cis-1,2-Dichloroethene	ND	55	48		1	87	70-122	05/15/2014 2018
trans-1,2-Dichloroethene	ND	55	49		1	88	68-131	05/15/2014 2018
1,2-Dichloropropane	ND	55	48		1	87	72-124	05/15/2014 2018
cis-1,3-Dichloropropene	ND	55	48		1	86	70-126	05/15/2014 2018
trans-1,3-Dichloropropene	ND	55	45		1	82	70-124	05/15/2014 2018
Ethylbenzene	ND	55	45		1	82	59-128	05/15/2014 2018
2-Hexanone	ND	110	93		1	84	54-137	05/15/2014 2018
Isopropylbenzene	ND	55	45		1	82	50-136	05/15/2014 2018
Methyl acetate	ND	55	50		1	91	59-137	05/15/2014 2018
Methyl tertiary butyl ether (MTBE)	ND	55	45		1	82	70-130	05/15/2014 2018
4-Methyl-2-pentanone	ND	110	91		1	82	60-134	05/15/2014 2018
Methylcyclohexane	ND	55	48		1	88	41-144	05/15/2014 2018
Methylene chloride	ND	55	46		1	84	77-129	05/15/2014 2018
Styrene	ND	55	44		1	79	54-136	05/15/2014 2018
1,1,2,2-Tetrachloroethane	ND	55	46		1	84	69-132	05/15/2014 2018
Tetrachloroethene	120	55	370	N	1	460	70-130	05/15/2014 2018
Toluene	ND	55	46		1	84	61-129	05/15/2014 2018
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	55	52		1	95	49-136	05/15/2014 2018
1,2,4-Trichlorobenzene	ND	55	36		1	65	34-145	05/15/2014 2018
1,1,1-Trichloroethane	ND	55	50		1	91	63-128	05/15/2014 2018
1,1,2-Trichloroethane	ND	55	43		1	78	55-128	05/15/2014 2018

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-004MS
Batch: 46862
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	55	46		1	84	62-126	05/15/2014 2018
Trichlorofluoromethane	ND	55	51		1	92	45-138	05/15/2014 2018
Vinyl chloride	ND	55	51		1	92	42-132	05/15/2014 2018
Xylenes (total)	ND	110	89		1	81	58-128	05/15/2014 2018

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		78	53-142
Bromofluorobenzene		80	47-138
Toluene-d8		87	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46885-001
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/15/2014 2319
Benzene	ND		1	5.0	1.1	ug/kg	05/15/2014 2319
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
Bromoform	ND		1	5.0	0.70	ug/kg	05/15/2014 2319
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/15/2014 2319
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/15/2014 2319
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/15/2014 2319
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/15/2014 2319
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
Chloroethane	ND		1	5.0	1.3	ug/kg	05/15/2014 2319
Chloroform	ND		1	5.0	0.83	ug/kg	05/15/2014 2319
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/15/2014 2319
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/15/2014 2319
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/15/2014 2319
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/15/2014 2319
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/15/2014 2319
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/15/2014 2319
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/15/2014 2319
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/15/2014 2319
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/15/2014 2319
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/15/2014 2319
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/15/2014 2319
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/15/2014 2319
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
2-Hexanone	ND		1	10	1.3	ug/kg	05/15/2014 2319
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/15/2014 2319
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/15/2014 2319
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/15/2014 2319
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/15/2014 2319
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/15/2014 2319
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/15/2014 2319
Styrene	ND		1	5.0	1.1	ug/kg	05/15/2014 2319
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/15/2014 2319
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/15/2014 2319
Toluene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/15/2014 2319
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/15/2014 2319
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/15/2014 2319
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/15/2014 2319

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46885-001
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/15/2014 2319
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/15/2014 2319
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/15/2014 2319
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/15/2014 2319

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		74	47-138
1,2-Dichloroethane-d4		82	53-142
Toluene-d8		85	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46885-002
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	122	60-140	05/15/2014 2147
Benzene	50	40		1	80	69-123	05/15/2014 2147
Bromodichloromethane	50	41		1	82	69-121	05/15/2014 2147
Bromoform	50	42		1	84	61-119	05/15/2014 2147
Bromomethane (Methyl bromide)	50	40		1	79	10-168	05/15/2014 2147
2-Butanone (MEK)	100	96		1	96	57-148	05/15/2014 2147
Carbon disulfide	50	37		1	73	58-122	05/15/2014 2147
Carbon tetrachloride	50	41		1	82	58-136	05/15/2014 2147
Chlorobenzene	50	39		1	78	59-129	05/15/2014 2147
Chloroethane	50	40		1	79	42-163	05/15/2014 2147
Chloroform	50	41		1	81	71-125	05/15/2014 2147
Chloromethane (Methyl chloride)	50	37		1	75	34-134	05/15/2014 2147
Cyclohexane	50	39		1	78	53-139	05/15/2014 2147
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	88	55-125	05/15/2014 2147
Dibromochloromethane	50	41		1	82	66-119	05/15/2014 2147
1,2-Dibromoethane (EDB)	50	41		1	82	74-124	05/15/2014 2147
1,4-Dichlorobenzene	50	39		1	79	52-133	05/15/2014 2147
1,3-Dichlorobenzene	50	40		1	80	51-134	05/15/2014 2147
1,2-Dichlorobenzene	50	40		1	81	57-131	05/15/2014 2147
Dichlorodifluoromethane	50	39		1	77	10-157	05/15/2014 2147
1,2-Dichloroethane	50	41		1	83	67-129	05/15/2014 2147
1,1-Dichloroethane	50	39		1	79	71-127	05/15/2014 2147
cis-1,2-Dichloroethene	50	40		1	81	70-122	05/15/2014 2147
trans-1,2-Dichloroethene	50	40		1	79	68-131	05/15/2014 2147
1,1-Dichloroethene	50	39		1	79	69-138	05/15/2014 2147
1,2-Dichloropropane	50	40		1	79	72-124	05/15/2014 2147
trans-1,3-Dichloropropene	50	42		1	84	70-124	05/15/2014 2147
cis-1,3-Dichloropropene	50	42		1	83	70-126	05/15/2014 2147
Ethylbenzene	50	41		1	81	59-128	05/15/2014 2147
2-Hexanone	100	91		1	91	54-137	05/15/2014 2147
Isopropylbenzene	50	41		1	82	50-136	05/15/2014 2147
Methyl acetate	50	47		1	93	59-137	05/15/2014 2147
Methyl tertiary butyl ether (MTBE)	50	40		1	80	70-130	05/15/2014 2147
4-Methyl-2-pentanone	100	91		1	91	60-134	05/15/2014 2147
Methylcyclohexane	50	40		1	79	41-144	05/15/2014 2147
Methylene chloride	50	39		1	78	70-130	05/15/2014 2147
Styrene	50	41		1	82	54-136	05/15/2014 2147
1,1,2,2-Tetrachloroethane	50	43		1	85	69-132	05/15/2014 2147
Tetrachloroethene	50	39		1	78	45-150	05/15/2014 2147
Toluene	50	39		1	78	61-129	05/15/2014 2147
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	41		1	83	49-136	05/15/2014 2147
1,2,4-Trichlorobenzene	50	41		1	83	34-145	05/15/2014 2147
1,1,1-Trichloroethane	50	41		1	81	63-128	05/15/2014 2147
1,1,2-Trichloroethane	50	39		1	77	55-128	05/15/2014 2147

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46885-002
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	80	62-126	05/15/2014 2147
Trichlorofluoromethane	50	41		1	82	45-138	05/15/2014 2147
Vinyl chloride	50	39		1	77	42-132	05/15/2014 2147
Xylenes (total)	100	82		1	82	58-128	05/15/2014 2147

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		81	47-138
1,2-Dichloroethane-d4		79	53-142
Toluene-d8		83	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46885-003
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	113	8.0	60-140	20	05/15/2014 2209
Benzene	50	40		1	81	0.88	69-123	20	05/15/2014 2209
Bromodichloromethane	50	40		1	80	3.6	69-121	20	05/15/2014 2209
Bromoform	50	40		1	79	5.5	61-119	20	05/15/2014 2209
Bromomethane (Methyl bromide)	50	39		1	77	2.8	10-168	20	05/15/2014 2209
2-Butanone (MEK)	100	88		1	88	8.3	57-148	20	05/15/2014 2209
Carbon disulfide	50	37		1	73	0.30	58-122	20	05/15/2014 2209
Carbon tetrachloride	50	40		1	80	2.4	58-136	20	05/15/2014 2209
Chlorobenzene	50	40		1	79	1.0	59-129	20	05/15/2014 2209
Chloroethane	50	39		1	78	2.0	42-163	20	05/15/2014 2209
Chloroform	50	39		1	77	5.3	71-125	20	05/15/2014 2209
Chloromethane (Methyl chloride)	50	36		1	71	5.0	34-134	20	05/15/2014 2209
Cyclohexane	50	39		1	78	0.0051	53-139	20	05/15/2014 2209
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	83	5.5	55-125	20	05/15/2014 2209
Dibromochloromethane	50	39		1	78	4.8	66-119	20	05/15/2014 2209
1,2-Dibromoethane (EDB)	50	39		1	79	4.2	74-124	20	05/15/2014 2209
1,4-Dichlorobenzene	50	39		1	79	0.47	52-133	20	05/15/2014 2209
1,3-Dichlorobenzene	50	39		1	78	2.9	51-134	20	05/15/2014 2209
1,2-Dichlorobenzene	50	40		1	79	1.3	57-131	20	05/15/2014 2209
Dichlorodifluoromethane	50	38		1	77	0.63	10-157	20	05/15/2014 2209
1,2-Dichloroethane	50	40		1	80	3.1	67-129	20	05/15/2014 2209
1,1-Dichloroethane	50	39		1	78	0.94	71-127	20	05/15/2014 2209
cis-1,2-Dichloroethene	50	40		1	79	1.5	70-122	20	05/15/2014 2209
trans-1,2-Dichloroethene	50	38		1	77	3.2	68-131	20	05/15/2014 2209
1,1-Dichloroethene	50	38		1	77	2.5	69-138	20	05/15/2014 2209
1,2-Dichloropropane	50	39		1	79	0.34	72-124	20	05/15/2014 2209
trans-1,3-Dichloropropene	50	40		1	80	5.0	70-124	20	05/15/2014 2209
cis-1,3-Dichloropropene	50	41		1	82	1.2	70-126	20	05/15/2014 2209
Ethylbenzene	50	39		1	78	4.6	59-128	20	05/15/2014 2209
2-Hexanone	100	83		1	83	8.4	54-137	20	05/15/2014 2209
Isopropylbenzene	50	41		1	82	0.95	50-136	20	05/15/2014 2209
Methyl acetate	50	42		1	85	9.8	59-137	20	05/15/2014 2209
Methyl tertiary butyl ether (MTBE)	50	38		1	76	5.0	70-130	20	05/15/2014 2209
4-Methyl-2-pentanone	100	83		1	83	9.1	60-134	20	05/15/2014 2209
Methylcyclohexane	50	39		1	79	1.1	41-144	20	05/15/2014 2209
Methylene chloride	50	37		1	75	3.8	70-130	20	05/15/2014 2209
Styrene	50	41		1	81	1.1	54-136	20	05/15/2014 2209
1,1,2,2-Tetrachloroethane	50	40		1	79	7.3	69-132	20	05/15/2014 2209
Tetrachloroethene	50	38		1	76	2.1	45-150	20	05/15/2014 2209
Toluene	50	40		1	79	1.6	61-129	20	05/15/2014 2209
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	40		1	80	3.9	49-136	20	05/15/2014 2209
1,2,4-Trichlorobenzene	50	39		1	79	4.7	34-145	20	05/15/2014 2209
1,1,1-Trichloroethane	50	39		1	79	3.2	63-128	20	05/15/2014 2209
1,1,2-Trichloroethane	50	37		1	75	2.8	55-128	20	05/15/2014 2209

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46885-003
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	39		1	79	1.4	62-126	20	05/15/2014 2209
Trichlorofluoromethane	50	40		1	79	2.9	45-138	20	05/15/2014 2209
Vinyl chloride	50	38		1	75	3.0	42-132	20	05/15/2014 2209
Xylenes (total)	100	80		1	80	2.2	58-128	20	05/15/2014 2209

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		85	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-001MS
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	150	160		1	108	60-140	05/16/2014 0414
Benzene	ND	75	73		1	97	69-123	05/16/2014 0414
Bromodichloromethane	ND	75	71		1	94	69-121	05/16/2014 0414
Bromoform	ND	75	68		1	91	61-119	05/16/2014 0414
Bromomethane (Methyl bromide)	ND	75	71		1	95	35-144	05/16/2014 0414
2-Butanone (MEK)	ND	150	130		1	86	57-148	05/16/2014 0414
Carbon disulfide	ND	75	68		1	91	58-122	05/16/2014 0414
Carbon tetrachloride	ND	75	73		1	97	58-136	05/16/2014 0414
Chlorobenzene	ND	75	70		1	93	59-129	05/16/2014 0414
Chloroethane	ND	75	74		1	99	50-132	05/16/2014 0414
Chloroform	ND	75	71		1	95	71-125	05/16/2014 0414
Chloromethane (Methyl chloride)	ND	75	68		1	91	34-134	05/16/2014 0414
Cyclohexane	ND	75	73		1	98	53-139	05/16/2014 0414
1,2-Dibromo-3-chloropropane (DBCP)	ND	75	67		1	89	55-125	05/16/2014 0414
Dibromochloromethane	ND	75	70		1	94	66-119	05/16/2014 0414
1,2-Dibromoethane (EDB)	ND	75	68		1	91	74-124	05/16/2014 0414
1,2-Dichlorobenzene	ND	75	69		1	92	57-131	05/16/2014 0414
1,3-Dichlorobenzene	ND	75	67		1	90	51-134	05/16/2014 0414
1,4-Dichlorobenzene	ND	75	66		1	88	52-133	05/16/2014 0414
Dichlorodifluoromethane	ND	75	73		1	97	10-157	05/16/2014 0414
1,1-Dichloroethane	ND	75	70		1	93	71-127	05/16/2014 0414
1,2-Dichloroethane	ND	75	69		1	92	67-129	05/16/2014 0414
1,1-Dichloroethene	4.2	75	74		1	94	69-138	05/16/2014 0414
cis-1,2-Dichloroethene	ND	75	71		1	95	70-122	05/16/2014 0414
trans-1,2-Dichloroethene	ND	75	72		1	95	68-131	05/16/2014 0414
1,2-Dichloropropane	ND	75	71		1	94	72-124	05/16/2014 0414
cis-1,3-Dichloropropene	ND	75	71		1	95	70-126	05/16/2014 0414
trans-1,3-Dichloropropene	ND	75	70		1	93	70-124	05/16/2014 0414
Ethylbenzene	ND	75	72		1	95	59-128	05/16/2014 0414
2-Hexanone	ND	150	130		1	87	54-137	05/16/2014 0414
Isopropylbenzene	ND	75	74		1	98	50-136	05/16/2014 0414
Methyl acetate	ND	75	70		1	93	59-137	05/16/2014 0414
Methyl tertiary butyl ether (MTBE)	ND	75	65		1	87	70-130	05/16/2014 0414
4-Methyl-2-pentanone	ND	150	130		1	88	60-134	05/16/2014 0414
Methylcyclohexane	ND	75	73		1	97	41-144	05/16/2014 0414
Methylene chloride	ND	75	69		1	92	77-129	05/16/2014 0414
Styrene	ND	75	71		1	95	54-136	05/16/2014 0414
1,1,2,2-Tetrachloroethane	ND	75	70		1	93	69-132	05/16/2014 0414
Tetrachloroethene	220	75	230	N	1	7.9	70-130	05/16/2014 0414
Toluene	ND	75	72		1	95	61-129	05/16/2014 0414
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	75	77		1	103	49-136	05/16/2014 0414
1,2,4-Trichlorobenzene	ND	75	65		1	87	34-145	05/16/2014 0414
1,1,1-Trichloroethane	ND	75	73		1	97	63-128	05/16/2014 0414
1,1,2-Trichloroethane	ND	75	67		1	90	55-128	05/16/2014 0414

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-001MS
Batch: 46885
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	75	70		1	93	62-126	05/16/2014 0414
Trichlorofluoromethane	ND	75	74		1	99	45-138	05/16/2014 0414
Vinyl chloride	ND	75	73		1	97	42-132	05/16/2014 0414
Xylenes (total)	ND	150	140		1	95	58-128	05/16/2014 0414

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		75	53-142
Bromofluorobenzene		79	47-138
Toluene-d8		85	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46922-001
Batch: 46922
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/16/2014 1301
Benzene	ND		1	5.0	1.1	ug/kg	05/16/2014 1301
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
Bromoform	ND		1	5.0	0.70	ug/kg	05/16/2014 1301
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/16/2014 1301
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/16/2014 1301
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/16/2014 1301
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/16/2014 1301
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
Chloroethane	ND		1	5.0	1.3	ug/kg	05/16/2014 1301
Chloroform	ND		1	5.0	0.83	ug/kg	05/16/2014 1301
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/16/2014 1301
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/16/2014 1301
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/16/2014 1301
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/16/2014 1301
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/16/2014 1301
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/16/2014 1301
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/16/2014 1301
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/16/2014 1301
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/16/2014 1301
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/16/2014 1301
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/16/2014 1301
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/16/2014 1301
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
2-Hexanone	ND		1	10	1.3	ug/kg	05/16/2014 1301
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/16/2014 1301
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/16/2014 1301
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/16/2014 1301
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/16/2014 1301
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/16/2014 1301
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/16/2014 1301
Styrene	ND		1	5.0	1.1	ug/kg	05/16/2014 1301
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/16/2014 1301
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/16/2014 1301
Toluene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/16/2014 1301
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/16/2014 1301
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/16/2014 1301
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/16/2014 1301

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ46922-001
Batch: 46922
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/16/2014 1301
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/16/2014 1301
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/16/2014 1301
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/16/2014 1301

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		79	47-138
1,2-Dichloroethane-d4		74	53-142
Toluene-d8		85	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46922-002
Batch: 46922
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	111	60-140	05/16/2014 1128
Benzene	50	41		1	82	69-123	05/16/2014 1128
Bromodichloromethane	50	40		1	80	69-121	05/16/2014 1128
Bromoform	50	42		1	83	61-119	05/16/2014 1128
Bromomethane (Methyl bromide)	50	42		1	84	10-168	05/16/2014 1128
2-Butanone (MEK)	100	93		1	93	57-148	05/16/2014 1128
Carbon disulfide	50	40		1	79	58-122	05/16/2014 1128
Carbon tetrachloride	50	42		1	84	58-136	05/16/2014 1128
Chlorobenzene	50	41		1	81	59-129	05/16/2014 1128
Chloroethane	50	42		1	83	42-163	05/16/2014 1128
Chloroform	50	41		1	81	71-125	05/16/2014 1128
Chloromethane (Methyl chloride)	50	38		1	77	34-134	05/16/2014 1128
Cyclohexane	50	42		1	84	53-139	05/16/2014 1128
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	83	55-125	05/16/2014 1128
Dibromochloromethane	50	41		1	82	66-119	05/16/2014 1128
1,2-Dibromoethane (EDB)	50	41		1	81	74-124	05/16/2014 1128
1,4-Dichlorobenzene	50	39		1	78	52-133	05/16/2014 1128
1,3-Dichlorobenzene	50	40		1	80	51-134	05/16/2014 1128
1,2-Dichlorobenzene	50	41		1	82	57-131	05/16/2014 1128
Dichlorodifluoromethane	50	41		1	82	10-157	05/16/2014 1128
1,2-Dichloroethane	50	41		1	83	67-129	05/16/2014 1128
1,1-Dichloroethane	50	41		1	81	71-127	05/16/2014 1128
trans-1,2-Dichloroethene	50	41		1	82	68-131	05/16/2014 1128
cis-1,2-Dichloroethene	50	41		1	83	70-122	05/16/2014 1128
1,1-Dichloroethene	50	41		1	82	69-138	05/16/2014 1128
1,2-Dichloropropane	50	41		1	81	72-124	05/16/2014 1128
trans-1,3-Dichloropropene	50	41		1	83	70-124	05/16/2014 1128
cis-1,3-Dichloropropene	50	41		1	83	70-126	05/16/2014 1128
Ethylbenzene	50	42		1	83	59-128	05/16/2014 1128
2-Hexanone	100	90		1	90	54-137	05/16/2014 1128
Isopropylbenzene	50	41		1	82	50-136	05/16/2014 1128
Methyl acetate	50	44		1	88	59-137	05/16/2014 1128
Methyl tertiary butyl ether (MTBE)	50	39		1	77	70-130	05/16/2014 1128
4-Methyl-2-pentanone	100	86		1	86	60-134	05/16/2014 1128
Methylcyclohexane	50	41		1	83	41-144	05/16/2014 1128
Methylene chloride	50	40		1	79	70-130	05/16/2014 1128
Styrene	50	42		1	83	54-136	05/16/2014 1128
1,1,2,2-Tetrachloroethane	50	40		1	80	69-132	05/16/2014 1128
Tetrachloroethene	50	40		1	80	45-150	05/16/2014 1128
Toluene	50	41		1	83	61-129	05/16/2014 1128
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	87	49-136	05/16/2014 1128
1,2,4-Trichlorobenzene	50	42		1	85	34-145	05/16/2014 1128
1,1,2-Trichloroethane	50	40		1	80	55-128	05/16/2014 1128
1,1,1-Trichloroethane	50	42		1	84	63-128	05/16/2014 1128

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46922-002
Batch: 46922
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	40		1	81	62-126	05/16/2014 1128
Trichlorofluoromethane	50	44		1	87	45-138	05/16/2014 1128
Vinyl chloride	50	41		1	82	42-132	05/16/2014 1128
Xylenes (total)	100	83		1	83	58-128	05/16/2014 1128

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		77	53-142
Toluene-d8		83	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46922-003
Batch: 46922
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	120	8.1	60-140	20	05/16/2014 1151
Benzene	50	40		1	81	1.3	69-123	20	05/16/2014 1151
Bromodichloromethane	50	41		1	82	2.1	69-121	20	05/16/2014 1151
Bromoform	50	41		1	81	2.3	61-119	20	05/16/2014 1151
Bromomethane (Methyl bromide)	50	40		1	81	3.4	10-168	20	05/16/2014 1151
2-Butanone (MEK)	100	91		1	91	2.3	57-148	20	05/16/2014 1151
Carbon disulfide	50	38		1	76	3.7	58-122	20	05/16/2014 1151
Carbon tetrachloride	50	41		1	82	2.5	58-136	20	05/16/2014 1151
Chlorobenzene	50	40		1	79	2.6	59-129	20	05/16/2014 1151
Chloroethane	50	40		1	80	3.2	42-163	20	05/16/2014 1151
Chloroform	50	41		1	82	0.26	71-125	20	05/16/2014 1151
Chloromethane (Methyl chloride)	50	37		1	75	2.7	34-134	20	05/16/2014 1151
Cyclohexane	50	40		1	81	3.8	53-139	20	05/16/2014 1151
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	83	0.074	55-125	20	05/16/2014 1151
Dibromochloromethane	50	41		1	83	0.48	66-119	20	05/16/2014 1151
1,2-Dibromoethane (EDB)	50	40		1	81	0.78	74-124	20	05/16/2014 1151
1,4-Dichlorobenzene	50	39		1	78	0.91	52-133	20	05/16/2014 1151
1,3-Dichlorobenzene	50	40		1	80	0.31	51-134	20	05/16/2014 1151
1,2-Dichlorobenzene	50	42		1	84	2.9	57-131	20	05/16/2014 1151
Dichlorodifluoromethane	50	39		1	78	4.6	10-157	20	05/16/2014 1151
1,2-Dichloroethane	50	41		1	82	0.70	67-129	20	05/16/2014 1151
1,1-Dichloroethane	50	40		1	80	1.2	71-127	20	05/16/2014 1151
trans-1,2-Dichloroethene	50	40		1	79	3.6	68-131	20	05/16/2014 1151
cis-1,2-Dichloroethene	50	40		1	79	3.8	70-122	20	05/16/2014 1151
1,1-Dichloroethene	50	40		1	80	2.4	69-138	20	05/16/2014 1151
1,2-Dichloropropane	50	41		1	81	0.42	72-124	20	05/16/2014 1151
trans-1,3-Dichloropropene	50	41		1	83	0.55	70-124	20	05/16/2014 1151
cis-1,3-Dichloropropene	50	41		1	83	0.15	70-126	20	05/16/2014 1151
Ethylbenzene	50	41		1	82	1.2	59-128	20	05/16/2014 1151
2-Hexanone	100	84		1	84	6.8	54-137	20	05/16/2014 1151
Isopropylbenzene	50	40		1	81	1.8	50-136	20	05/16/2014 1151
Methyl acetate	50	43		1	86	2.4	59-137	20	05/16/2014 1151
Methyl tertiary butyl ether (MTBE)	50	39		1	77	0.085	70-130	20	05/16/2014 1151
4-Methyl-2-pentanone	100	81		1	81	5.5	60-134	20	05/16/2014 1151
Methylcyclohexane	50	40		1	80	3.1	41-144	20	05/16/2014 1151
Methylene chloride	50	40		1	80	0.60	70-130	20	05/16/2014 1151
Styrene	50	41		1	81	2.0	54-136	20	05/16/2014 1151
1,1,2,2-Tetrachloroethane	50	41		1	81	1.6	69-132	20	05/16/2014 1151
Tetrachloroethene	50	39		1	79	1.5	45-150	20	05/16/2014 1151
Toluene	50	40		1	81	2.3	61-129	20	05/16/2014 1151
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	41		1	83	4.8	49-136	20	05/16/2014 1151
1,2,4-Trichlorobenzene	50	41		1	83	2.4	34-145	20	05/16/2014 1151
1,1,2-Trichloroethane	50	39		1	77	3.7	55-128	20	05/16/2014 1151
1,1,1-Trichloroethane	50	41		1	82	2.1	63-128	20	05/16/2014 1151

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ46922-003
Batch: 46922
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	40		1	80	0.47	62-126	20	05/16/2014 1151
Trichlorofluoromethane	50	42		1	84	3.2	45-138	20	05/16/2014 1151
Vinyl chloride	50	39		1	78	5.0	42-132	20	05/16/2014 1151
Xylenes (total)	100	82		1	82	2.1	58-128	20	05/16/2014 1151

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		82	47-138
1,2-Dichloroethane-d4		78	53-142
Toluene-d8		86	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47055-001
Batch: 47055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	05/19/2014 1446
Benzene	ND		1	5.0	0.20	ug/L	05/19/2014 1446
Bromodichloromethane	ND		1	5.0	1.7	ug/L	05/19/2014 1446
Bromoform	ND		1	5.0	0.40	ug/L	05/19/2014 1446
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	05/19/2014 1446
2-Butanone (MEK)	ND		1	10	1.8	ug/L	05/19/2014 1446
Carbon disulfide	ND		1	5.0	0.30	ug/L	05/19/2014 1446
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	05/19/2014 1446
Chlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
Chloroethane	ND		1	5.0	0.50	ug/L	05/19/2014 1446
Chloroform	ND		1	5.0	1.7	ug/L	05/19/2014 1446
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	05/19/2014 1446
Cyclohexane	ND		1	5.0	0.98	ug/L	05/19/2014 1446
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	05/19/2014 1446
Dibromochloromethane	ND		1	5.0	1.7	ug/L	05/19/2014 1446
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	05/19/2014 1446
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	05/19/2014 1446
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	05/19/2014 1446
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	05/19/2014 1446
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	05/19/2014 1446
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	05/19/2014 1446
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	05/19/2014 1446
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	05/19/2014 1446
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/19/2014 1446
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/19/2014 1446
Ethylbenzene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
2-Hexanone	ND		1	10	1.0	ug/L	05/19/2014 1446
Isopropylbenzene	ND		1	5.0	1.0	ug/L	05/19/2014 1446
Methyl acetate	ND		1	5.0	0.72	ug/L	05/19/2014 1446
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	05/19/2014 1446
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	05/19/2014 1446
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/19/2014 1446
Methylene chloride	ND		1	5.0	1.7	ug/L	05/19/2014 1446
Styrene	ND		1	5.0	0.10	ug/L	05/19/2014 1446
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	05/19/2014 1446
Tetrachloroethene	ND		1	5.0	0.40	ug/L	05/19/2014 1446
Toluene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	05/19/2014 1446
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 1446
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	05/19/2014 1446
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	05/19/2014 1446

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47055-001
Batch: 47055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	05/19/2014 1446
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	05/19/2014 1446
Vinyl chloride	ND		1	2.0	0.10	ug/L	05/19/2014 1446
Xylenes (total)	ND		1	5.0	1.7	ug/L	05/19/2014 1446

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47055-002
Batch: 47055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	97		1	97	60-140	05/19/2014 1318
Benzene	50	50		1	101	70-130	05/19/2014 1318
Bromodichloromethane	50	51		1	101	70-130	05/19/2014 1318
Bromoform	50	51		1	103	70-130	05/19/2014 1318
Bromomethane (Methyl bromide)	50	53		1	107	60-140	05/19/2014 1318
2-Butanone (MEK)	100	110		1	110	60-140	05/19/2014 1318
Carbon disulfide	50	50		1	100	60-140	05/19/2014 1318
Carbon tetrachloride	50	53		1	107	70-130	05/19/2014 1318
Chlorobenzene	50	50		1	99	70-130	05/19/2014 1318
Chloroethane	50	43		1	85	42-163	05/19/2014 1318
Chloroform	50	51		1	102	70-130	05/19/2014 1318
Chloromethane (Methyl chloride)	50	49		1	99	60-140	05/19/2014 1318
Cyclohexane	50	54		1	109	70-130	05/19/2014 1318
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	111	70-130	05/19/2014 1318
Dibromochloromethane	50	53		1	105	70-130	05/19/2014 1318
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	05/19/2014 1318
1,4-Dichlorobenzene	50	52		1	103	70-130	05/19/2014 1318
1,2-Dichlorobenzene	50	52		1	103	70-130	05/19/2014 1318
1,3-Dichlorobenzene	50	52		1	103	70-130	05/19/2014 1318
Dichlorodifluoromethane	50	45		1	90	60-140	05/19/2014 1318
1,2-Dichloroethane	50	48		1	96	70-130	05/19/2014 1318
1,1-Dichloroethane	50	51		1	102	70-130	05/19/2014 1318
cis-1,2-Dichloroethene	50	49		1	99	70-130	05/19/2014 1318
1,1-Dichloroethene	50	53		1	105	70-130	05/19/2014 1318
trans-1,2-Dichloroethene	50	52		1	103	70-130	05/19/2014 1318
1,2-Dichloropropane	50	52		1	103	70-130	05/19/2014 1318
cis-1,3-Dichloropropene	50	51		1	102	70-130	05/19/2014 1318
trans-1,3-Dichloropropene	50	52		1	103	70-130	05/19/2014 1318
Ethylbenzene	50	51		1	102	70-130	05/19/2014 1318
2-Hexanone	100	110		1	106	60-140	05/19/2014 1318
Isopropylbenzene	50	57		1	114	70-130	05/19/2014 1318
Methyl acetate	50	65		1	130	70-130	05/19/2014 1318
Methyl tertiary butyl ether (MTBE)	50	54		1	109	70-130	05/19/2014 1318
4-Methyl-2-pentanone	100	110		1	108	60-140	05/19/2014 1318
Methylcyclohexane	50	52		1	104	70-130	05/19/2014 1318
Methylene chloride	50	48		1	96	70-130	05/19/2014 1318
Styrene	50	53		1	106	70-130	05/19/2014 1318
1,1,2,2-Tetrachloroethane	50	60		1	119	70-130	05/19/2014 1318
Tetrachloroethene	50	50		1	100	70-130	05/19/2014 1318
Toluene	50	51		1	103	70-130	05/19/2014 1318
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	53		1	106	70-130	05/19/2014 1318
1,2,4-Trichlorobenzene	50	50		1	101	70-130	05/19/2014 1318
1,1,2-Trichloroethane	50	54		1	107	70-130	05/19/2014 1318
1,1,1-Trichloroethane	50	54		1	107	70-130	05/19/2014 1318

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47055-002
Batch: 47055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	05/19/2014 1318
Trichlorofluoromethane	50	58		1	116	70-130	05/19/2014 1318
Vinyl chloride	50	48		1	97	70-130	05/19/2014 1318
Xylenes (total)	100	100		1	104	70-130	05/19/2014 1318

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47055-003
Batch: 47055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	98		1	98	1.1	60-140	20	05/19/2014 1340
Benzene	50	49		1	98	2.8	70-130	20	05/19/2014 1340
Bromodichloromethane	50	49		1	98	2.9	70-130	20	05/19/2014 1340
Bromoform	50	50		1	99	3.5	70-130	20	05/19/2014 1340
Bromomethane (Methyl bromide)	50	52		1	104	3.2	60-140	20	05/19/2014 1340
2-Butanone (MEK)	100	110		1	111	0.85	60-140	20	05/19/2014 1340
Carbon disulfide	50	49		1	98	2.8	60-140	20	05/19/2014 1340
Carbon tetrachloride	50	51		1	102	4.5	70-130	20	05/19/2014 1340
Chlorobenzene	50	48		1	96	2.8	70-130	20	05/19/2014 1340
Chloroethane	50	42		1	83	2.2	42-163	20	05/19/2014 1340
Chloroform	50	50		1	100	2.5	70-130	20	05/19/2014 1340
Chloromethane (Methyl chloride)	50	48		1	97	2.2	60-140	20	05/19/2014 1340
Cyclohexane	50	51		1	103	5.7	70-130	20	05/19/2014 1340
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	110	0.77	70-130	20	05/19/2014 1340
Dibromochloromethane	50	50		1	100	4.9	70-130	20	05/19/2014 1340
1,2-Dibromoethane (EDB)	50	52		1	103	2.4	70-130	20	05/19/2014 1340
1,4-Dichlorobenzene	50	50		1	101	2.4	70-130	20	05/19/2014 1340
1,2-Dichlorobenzene	50	50		1	101	2.7	70-130	20	05/19/2014 1340
1,3-Dichlorobenzene	50	51		1	101	2.3	70-130	20	05/19/2014 1340
Dichlorodifluoromethane	50	43		1	87	3.7	60-140	20	05/19/2014 1340
1,2-Dichloroethane	50	47		1	94	2.1	70-130	20	05/19/2014 1340
1,1-Dichloroethane	50	49		1	99	3.4	70-130	20	05/19/2014 1340
cis-1,2-Dichloroethene	50	49		1	98	0.42	70-130	20	05/19/2014 1340
1,1-Dichloroethene	50	49		1	98	6.5	70-130	20	05/19/2014 1340
trans-1,2-Dichloroethene	50	49		1	98	4.6	70-130	20	05/19/2014 1340
1,2-Dichloropropane	50	50		1	101	2.0	70-130	20	05/19/2014 1340
cis-1,3-Dichloropropene	50	51		1	102	0.42	70-130	20	05/19/2014 1340
trans-1,3-Dichloropropene	50	51		1	101	2.1	70-130	20	05/19/2014 1340
Ethylbenzene	50	49		1	97	4.7	70-130	20	05/19/2014 1340
2-Hexanone	100	100		1	102	3.9	60-140	20	05/19/2014 1340
Isopropylbenzene	50	56		1	113	1.5	70-130	20	05/19/2014 1340
Methyl acetate	50	65		1	130	0.52	70-130	20	05/19/2014 1340
Methyl tertiary butyl ether (MTBE)	50	55		1	110	0.75	70-130	20	05/19/2014 1340
4-Methyl-2-pentanone	100	110		1	107	0.85	60-140	20	05/19/2014 1340
Methylcyclohexane	50	50		1	100	3.8	70-130	20	05/19/2014 1340
Methylene chloride	50	47		1	94	2.1	70-130	20	05/19/2014 1340
Styrene	50	50		1	101	4.8	70-130	20	05/19/2014 1340
1,1,2,2-Tetrachloroethane	50	59		1	119	0.61	70-130	20	05/19/2014 1340
Tetrachloroethene	50	48		1	97	3.6	70-130	20	05/19/2014 1340
Toluene	50	50		1	101	1.9	70-130	20	05/19/2014 1340
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	5.9	70-130	20	05/19/2014 1340
1,2,4-Trichlorobenzene	50	51		1	101	0.22	70-130	20	05/19/2014 1340
1,1,2-Trichloroethane	50	52		1	104	2.5	70-130	20	05/19/2014 1340
1,1,1-Trichloroethane	50	53		1	105	2.0	70-130	20	05/19/2014 1340

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47055-003
Batch: 47055
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	97	2.7	70-130	20	05/19/2014 1340
Trichlorofluoromethane	50	56		1	111	4.0	70-130	20	05/19/2014 1340
Vinyl chloride	50	46		1	92	4.4	70-130	20	05/19/2014 1340
Xylenes (total)	100	100		1	101	2.8	70-130	20	05/19/2014 1340

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		88	70-130
1,2-Dichloroethane-d4		83	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47066-001
Batch: 47066
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/19/2014 1704

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47066-002
Batch: 47066
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	56		1	111	45-150	05/19/2014 1531

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47066-003
Batch: 47066
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	50	54		1	108	3.2	45-150	20	05/19/2014 1554

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ47080-001
Batch: 47080
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 05/16/2014 1700

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	05/20/2014 0233
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	05/20/2014 0233
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	05/20/2014 0233
Chlorobenzene	ND		10	0.050	0.0020	mg/L	05/20/2014 0233
Chloroform	0.0030	J	10	0.050	0.0030	mg/L	05/20/2014 0233
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	05/20/2014 0233
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	05/20/2014 0233
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	05/20/2014 0233
Trichloroethene	ND		10	0.050	0.0030	mg/L	05/20/2014 0233
Vinyl chloride	ND		10	0.010	0.0010	mg/L	05/20/2014 0233

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ47080-002
Batch: 47080
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 05/16/2014 1700

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.48		10	97	72-127	05/20/2014 0532
2-Butanone (MEK)	1.0	1.1		10	109	60-140	05/20/2014 0532
Carbon tetrachloride	0.50	0.47		10	95	37-166	05/20/2014 0532
Chlorobenzene	0.50	0.48		10	95	78-129	05/20/2014 0532
Chloroform	0.50	0.48		10	96	63-123	05/20/2014 0532
1,2-Dichloroethane	0.50	0.50		10	100	59-143	05/20/2014 0532
1,1-Dichloroethene	0.50	0.46		10	92	50-132	05/20/2014 0532
Tetrachloroethene	0.50	0.45		10	90	70-130	05/20/2014 0532
Trichloroethene	0.50	0.47		10	93	73-124	05/20/2014 0532
Vinyl chloride	0.50	0.45		10	90	29-159	05/20/2014 0532

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: PE13052-018MS
Batch: 47080
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 05/16/2014 1700

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.50	W	10	99	70-127	05/20/2014 0618
2-Butanone (MEK)	ND	1.0	1.1	W	10	109	60-140	05/20/2014 0618
Carbon tetrachloride	ND	0.50	0.51	W	10	102	37-166	05/20/2014 0618
Chlorobenzene	ND	0.50	0.48	W	10	95	78-129	05/20/2014 0618
Chloroform	0.0030	0.50	0.50	W	10	99	63-123	05/20/2014 0618
1,2-Dichloroethane	ND	0.50	0.49	W	10	98	59-143	05/20/2014 0618
1,1-Dichloroethene	ND	0.50	0.49	W	10	98	50-132	05/20/2014 0618
Tetrachloroethene	ND	0.50	0.46	W	10	93	70-130	05/20/2014 0618
Trichloroethene	ND	0.50	0.48	W	10	97	73-124	05/20/2014 0618
Vinyl chloride	ND	0.50	0.49	W	10	98	29-159	05/20/2014 0618

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: PQ46847-001
Batch: 46847
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 05/15/2014 1506

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	330	10	ug/kg	05/16/2014 1026
Acenaphthylene	ND		1	330	13	ug/kg	05/16/2014 1026
Anthracene	ND		1	330	15	ug/kg	05/16/2014 1026
Benzo(a)anthracene	ND		1	330	11	ug/kg	05/16/2014 1026
Benzo(a)pyrene	ND		1	330	24	ug/kg	05/16/2014 1026
Benzo(b)fluoranthene	ND		1	330	22	ug/kg	05/16/2014 1026
Benzo(g,h,i)perylene	ND		1	330	23	ug/kg	05/16/2014 1026
Benzo(k)fluoranthene	ND		1	330	27	ug/kg	05/16/2014 1026
Chrysene	ND		1	330	10	ug/kg	05/16/2014 1026
Dibenzo(a,h)anthracene	ND		1	330	22	ug/kg	05/16/2014 1026
Fluoranthene	ND		1	330	10	ug/kg	05/16/2014 1026
Fluorene	ND		1	330	13	ug/kg	05/16/2014 1026
Indeno(1,2,3-c,d)pyrene	ND		1	330	30	ug/kg	05/16/2014 1026
Naphthalene	ND		1	330	14	ug/kg	05/16/2014 1026
Phenanthrene	ND		1	330	13	ug/kg	05/16/2014 1026
Pyrene	ND		1	330	14	ug/kg	05/16/2014 1026

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		90	33-102
Nitrobenzene-d5		90	22-109
Terphenyl-d14		108	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: PQ46847-002
Batch: 46847
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 05/15/2014 1506

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2700		1	80	46-114	05/16/2014 1050
Acenaphthylene	3300	3600		1	109	44-122	05/16/2014 1050
Anthracene	3300	3100		1	93	50-119	05/16/2014 1050
Benzo(a)anthracene	3300	3000		1	89	47-121	05/16/2014 1050
Benzo(a)pyrene	3300	3400		1	102	55-134	05/16/2014 1050
Benzo(b)fluoranthene	3300	3400		1	103	28-139	05/16/2014 1050
Benzo(g,h,i)perylene	3300	3100		1	93	36-125	05/16/2014 1050
Benzo(k)fluoranthene	3300	3500		1	106	47-130	05/16/2014 1050
Chrysene	3300	2700		1	81	45-126	05/16/2014 1050
Dibenzo(a,h)anthracene	3300	3300		1	99	45-122	05/16/2014 1050
Fluoranthene	3300	3000		1	91	50-123	05/16/2014 1050
Fluorene	3300	2800		1	84	48-117	05/16/2014 1050
Indeno(1,2,3-c,d)pyrene	3300	3300		1	98	45-123	05/16/2014 1050
Naphthalene	3300	2700		1	81	36-110	05/16/2014 1050
Phenanthrene	3300	3000		1	89	49-117	05/16/2014 1050
Pyrene	3300	3100		1	92	47-119	05/16/2014 1050

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		85	33-102
Nitrobenzene-d5		90	22-109
Terphenyl-d14		104	41-120

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: PE13052-013MS
Batch: 46847
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 05/15/2014 1506

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	4500	3300		1	74	30-130	05/16/2014 1226
Acenaphthylene	ND	4500	4400		1	97	30-130	05/16/2014 1226
Anthracene	ND	4500	3900		1	86	30-130	05/16/2014 1226
Benzo(a)anthracene	ND	4500	3800		1	83	30-130	05/16/2014 1226
Benzo(a)pyrene	ND	4500	4300		1	94	30-130	05/16/2014 1226
Benzo(b)fluoranthene	ND	4500	4400		1	97	30-130	05/16/2014 1226
Benzo(g,h,i)perylene	ND	4500	4000		1	88	30-130	05/16/2014 1226
Benzo(k)fluoranthene	ND	4500	4300		1	95	30-130	05/16/2014 1226
Chrysene	ND	4500	3300		1	74	30-130	05/16/2014 1226
Dibenzo(a,h)anthracene	ND	4500	4100		1	91	30-130	05/16/2014 1226
Fluoranthene	ND	4500	3800		1	84	30-130	05/16/2014 1226
Fluorene	ND	4500	3500		1	77	30-130	05/16/2014 1226
Indeno(1,2,3-c,d)pyrene	ND	4500	4100		1	91	30-130	05/16/2014 1226
Naphthalene	ND	4500	3200		1	71	30-130	05/16/2014 1226
Phenanthrene	62	4500	3800		1	82	30-130	05/16/2014 1226
Pyrene	ND	4500	3800		1	84	30-130	05/16/2014 1226

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		75	33-102
Nitrobenzene-d5		82	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: PE13052-013MD
Batch: 46847
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 05/15/2014 1506

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	4500	3200		1	71	4.3	30-130	40	05/16/2014 1250
Acenaphthylene	ND	4500	4300		1	95	2.9	30-130	40	05/16/2014 1250
Anthracene	ND	4500	3700		1	83	3.5	30-130	40	05/16/2014 1250
Benzo(a)anthracene	ND	4500	3700		1	82	2.1	30-130	40	05/16/2014 1250
Benzo(a)pyrene	ND	4500	4200		1	93	2.3	30-130	40	05/16/2014 1250
Benzo(b)fluoranthene	ND	4500	4300		1	96	2.3	30-130	40	05/16/2014 1250
Benzo(g,h,i)perylene	ND	4500	3900		1	87	1.9	30-130	40	05/16/2014 1250
Benzo(k)fluoranthene	ND	4500	4200		1	94	2.1	30-130	40	05/16/2014 1250
Chrysene	ND	4500	3300		1	74	1.3	30-130	40	05/16/2014 1250
Dibenzo(a,h)anthracene	ND	4500	4100		1	91	1.9	30-130	40	05/16/2014 1250
Fluoranthene	ND	4500	3700		1	83	2.2	30-130	40	05/16/2014 1250
Fluorene	ND	4500	3400		1	76	3.1	30-130	40	05/16/2014 1250
Indeno(1,2,3-c,d)pyrene	ND	4500	4100		1	91	1.2	30-130	40	05/16/2014 1250
Naphthalene	ND	4500	2900		1	64	11	30-130	40	05/16/2014 1250
Phenanthrene	62	4500	3700		1	81	3.1	30-130	40	05/16/2014 1250
Pyrene	ND	4500	3700		1	83	2.3	30-130	40	05/16/2014 1250

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		71	33-102
Nitrobenzene-d5		77	22-109
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 31069

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Ron Paulling	Quote No.
Address: 128 Millport Cir. Ste 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 3
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name: Itron			
Project Number: 33764587.00001	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260B VOCs	% solids	Number of Containers	Bottle (See Instructions on back)	Preservative
											4	1	
											A	F	
											1	1	
SB-19 (0-1')	5/10/14	1130	G				✓		✓	✓			
SB-19 (3-4')		1140	G				✓		✓	✓			
SB-19 (18-19')		1150	G				✓		✓	✓			
SB-20 (0-1')		1030	G				✓		✓	✓			
SB-20 (10-11')		1040	G				✓		✓	✓			
SB-20 (23-24')		1050	G				✓		✓	✓			
SB-21 (0-1')		0940	G				✓		✓	✓			
SB-21 (8-9')		0950	G				✓		✓	✓			
SB-21 (27-28')		1000	G				✓		✓	✓			
DUP-7	↓	1005	G				✓		✓	✓			

PE13052

Turn Around Time Required (Prior lab approval required for expedited TAT): ☒ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	5/13/14	1410	1. Received by: CT	5/13/14	1410
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: CT	5/13/14	1612	4. Laboratory Received by: Kelly W.	5-13-14	1612

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☒ Yes ☐ No ☐ Ice Pack — Receipt Temp. 0.8 °C — Temp. Blank ☐ Y / ☒ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

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West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 31070

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Ron Paulling	Quote No.
Address: 128 Millport Circle Ste 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 2 of 3
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name: Itron			
Project Number: 00002 / 33764587.00001	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	Grab / Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	% solids	TCLP VOCs	PAHs	TOC
									4	1	1	1	1
									A	L	L	M	L
									1	1	1	1	1
SB-57 (0-1')	5/10/14	1345	G				✓		✓	✓		✓	
SB-57 (4-5')		1355	G				✓		✓	✓		✓	
SB-57 (9-10')		1405	G				✓		✓	✓		✓	
Trip Blank 5/10/14									✓	[redacted]			
MW-17 (0-1')		1525	G				✓		✓	✓			
MW-17 (4-5')		1535	G				✓		✓	✓			
MW-17 (23-24')		1545	G				✓		✓	✓			
Drums 3,4 & 5	↓	1700	C				✓				✓		
MW-18 (4-5')	5/12/14	1030	G				✓		✓	✓			✓
MW-18 (12-13')	5/12/14	1045	G				✓		✓	✓			

PE13052

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	5/13/14	1410	1. Received by:	5/13/14	1410
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	5/13/14	1612	4. Laboratory Received by: Kelly W. R.	5-13-14	1612

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY: Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack; Receipt Temp. 0.8 °C; Temp. Blank ☐ Y / ☑ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 31072

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Ron Paulling	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
128 Millport Circle Ste. 100	864-527-4737 aaron.council@urs.com		3 of 3
City / State / Zip Code	**Preservative**		
Greenville / SC / 29607	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name			
33764587.00002			
Project Number	**P.O Number**		

Analysis	8260 VOCs	% solids	TOC
Number of Containers	4	1	1
Bottle (See Instructions on back)	A	L	L
Preservative	1	1	1

PE13052

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	GW	DW	WW	S	Other	8260 VOCs	% solids	TOC	
MW-18 (38-39')	5/12/14	1100	G				✓				✓	
MW-12 (0-1')		1700	G				✓		✓	✓		
MS		1700	G				✓		✓	✓		
MSD		1700	G				✓		✓	✓		
MW-12 (2-3')		1710	G				✓		✓	✓		HOLD
MW-12 (33-34')		1720	G				✓		✓	✓		
Trip Blank 5/12/14								✓	✓			

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Relinquished by	Date	Time	Received by	Date	Time
1. Relinquished by / Sampler: Aaron B. Council	5/13/14	1410	1. Received by: [signature]	5/13/14	1410
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by: [signature]	5/13/14	1612	4. Laboratory Received by: Kelly W[signature]	5-13-14	1612

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp. 0.8 °C — Temp. Blank ☐ Y ☑ N

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP 5-13-14 Lot #: PE13062

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 1434/10.7 10.8 °C / / °C / / °C / / °C			
Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C			
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑	KWP 5-13-14	17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☐	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☐	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☐	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____

Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____

Sample labels applied by: KWP Verified by:_____ Date: 5-13-14

Comments:

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PE16083

Date Completed: 06/05/2014

Date Revised: 06/05/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P E 1 6 0 8 3 *

Case Narrative
URS Corporation
Lot Number: PE16083

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

VOCs by GC/MS

Due to matrix interferences multiple compounds associated with the MS/MSD in batches 47165 and 47201 recovered outside of method criteria. In addition, the RPD associated between the MS and MSD in batch 47201 recovered multiple compounds outside of method criteria due to matrix interferences. These interferences are common in soil samples with low homogeneity. The LCS/LCSD recovered all compounds within method criteria.

The MB, LCS, and LCSD associated with batch 47307 recovered a surrogate above method criteria. Only one compound has been reported from this batch. Multiple runs were performed yielding similar results indicating the high surrogate recoveries have minimal impact on the reported compound.

Sample Summary
URS Corporation
Lot Number: PE16083

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-5D (1-2')	Solid	05/13/2014 1215	05/16/2014
002	MW-5D (21-22')	Solid	05/13/2014 1240	05/16/2014
003	Drums 10&11	Solid	05/13/2014 1400	05/16/2014
004	MW-14 (13-14')	Solid	05/14/2014 1220	05/16/2014
005	MW-14 (20-21')	Solid	05/14/2014 1230	05/16/2014
006	MW-14 (44'-45')	Solid	05/14/2014 1240	05/16/2014
007	MW-15(7-8')	Solid	05/14/2014 1510	05/16/2014
008	MW-15(16-17')	Solid	05/14/2014 1520	05/16/2014
009	DUP-8	Solid	05/13/2014 1525	05/16/2014
010	MW-15(23-24')	Solid	05/14/2014 1535	05/16/2014
011	MW-15 (31-32')	Solid	05/14/2014 1545	05/16/2014
012	MW-9D (0-1')	Solid	05/14/2014 1845	05/16/2014
013	MW-9D (15-16')	Solid	05/14/2014 1855	05/16/2014
014	MW-9D (64-65')	Solid	05/14/2014 1905	05/16/2014
015	Drums 23&24	Solid	05/14/2014 1910	05/16/2014
016	Drums 20, 21, 22, 25, 26, 27, 28	Solid	05/15/2014 1000	05/16/2014
017	MW-13(1-2')	Solid	05/15/2014 1030	05/16/2014
018	MW-13 (25-26')	Solid	05/15/2014 1040	05/16/2014
019	MW-13(36-37')	Solid	05/15/2014 1050	05/16/2014
020	Drum 29	Solid	05/15/2014 1100	05/16/2014
021	MW-10D (7-8')	Solid	05/15/2014 1520	05/16/2014
022	MW-10D (22-23')	Solid	05/15/2014 1530	05/16/2014
023	Trip Blank 5-15-14	Aqueous	05/15/2014	05/16/2014
024	Drum 19	Solid	05/14/2014 1600	05/16/2014

(24 samples)

Executive Summary

URS Corporation

Lot Number: PE16083

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-5D (1-2')	Solid	Tetrachloroethene	8260B	1.7	J	ug/kg	5
002	MW-5D (21-22')	Solid	Tetrachloroethene	8260B	6.6		ug/kg	7
003	Drums 10&11	Solid	Chloroform	8260B	0.0030	J	mg/L	9
004	MW-14 (13-14')	Solid	Tetrachloroethene	8260B	2.1	J	ug/kg	11
005	MW-14 (20-21')	Solid	Tetrachloroethene	8260B	2.4	J	ug/kg	12
007	MW-15(7-8')	Solid	TOC	Walkley-Black	390	J	mg/kg	15
007	MW-15(7-8')	Solid	Tetrachloroethene	8260B	2.2	J	ug/kg	16
008	MW-15(16-17')	Solid	Tetrachloroethene	8260B	3.0	J	ug/kg	17
009	DUP-8	Solid	Tetrachloroethene	8260B	1.8	J	ug/kg	19
010	MW-15(23-24')	Solid	Tetrachloroethene	8260B	3.4	J	ug/kg	21
012	MW-9D (0-1')	Solid	Tetrachloroethene	8260B	3.2	J	ug/kg	24
013	MW-9D (15-16')	Solid	TOC	Walkley-Black	40	J	mg/kg	26
013	MW-9D (15-16')	Solid	Tetrachloroethene	8260B	2.5	J	ug/kg	27
016	Drums 20, 21, 22, 25, 26,	Solid	Chloroform	8260B	0.0030	J	mg/L	30
017	MW-13(1-2')	Solid	Acetone	8260B	18	J	ug/kg	31
017	MW-13(1-2')	Solid	Tetrachloroethene	8260B	2.8	J	ug/kg	31
018	MW-13 (25-26')	Solid	Tetrachloroethene	8260B	2.0	J	ug/kg	34
019	MW-13(36-37')	Solid	TOC	Walkley-Black	39	J	mg/kg	35
020	Drum 29	Solid	Chloroform	8260B	0.0030	J	mg/L	36
021	MW-10D (7-8')	Solid	Tetrachloroethene	8260B	230		ug/kg	37
022	MW-10D (22-23')	Solid	Tetrachloroethene	8260B	1700		ug/kg	39

(21 detections)

Client: URS Corporation
Description: MW-5D (1-2')
Date Sampled: 05/13/2014 1215
Date Received: 05/16/2014

Laboratory ID: PE16083-001
Matrix: Solid
% Solids: 85.3 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1408	AAC		47201	6.29

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		19	6.2	ug/kg	1
Benzene	71-43-2	8260B	ND		4.7	1.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	1.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	0.65	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	1.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.3	2.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	1.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	1.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	1.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	1.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	0.77	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	0.93	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	0.63	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	1.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	1.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	0.79	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	1.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	1.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	1.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	1.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	0.68	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	0.93	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	1.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	0.71	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	1.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	0.85	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	0.63	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	0.76	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	1.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.3	1.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	0.21	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	0.91	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	0.37	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.3	1.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	0.38	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	2.4	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	1.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	0.44	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.7	J	4.7	0.47	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	1.6	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5D (1-2')
Date Sampled: 05/13/2014 1215
Date Received: 05/16/2014

Laboratory ID: PE16083-001
Matrix: Solid
% Solids: 85.3 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1408	AAC		47201	6.29

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	0.59	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	1.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	0.79	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	0.74	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.7	1.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	1.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.7	0.80	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5D (21-22')
Date Sampled: 05/13/2014 1240
Date Received: 05/16/2014

Laboratory ID: PE16083-002
Matrix: Solid
% Solids: 67.8 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2125	JJG		47165	5.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.8	ug/kg	1
Benzene	71-43-2	8260B	ND		6.6	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.6	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.6	0.92	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.6	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.6	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.6	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.6	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.6	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.6	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.6	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.6	0.89	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.6	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.6	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.6	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.6	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.6	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.6	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.6	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.6	0.96	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.6	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.6	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.6	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.6	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.6	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.6	0.89	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.6	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.6	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.6	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.6	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.6	0.53	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.6	0.54	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.6	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.6	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.6	0.62	ug/kg	1
Tetrachloroethene	127-18-4	8260B	6.6		6.6	0.66	ug/kg	1
Toluene	108-88-3	8260B	ND		6.6	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5D (21-22')
Date Sampled: 05/13/2014 1240
Date Received: 05/16/2014

Laboratory ID: PE16083-002
Matrix: Solid
% Solids: 67.8 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2125	JJG		47165	5.61

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.6	0.83	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.6	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.6	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.6	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.6	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.6	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.6	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.6	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 10&11
Date Sampled: 05/13/2014 1400
Date Received: 05/16/2014

Laboratory ID: PE16083-003
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/28/2014 1557	ALL		47622	05/19/2014 1907

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0030	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14 (13-14')
Date Sampled: 05/14/2014 1220
Date Received: 05/16/2014

Laboratory ID: PE16083-004
Matrix: Solid
% Solids: 79.3 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		100	31	mg/kg	2

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2153	JJG		47165	5.01

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		25	8.4	ug/kg	1
Benzene	71-43-2	8260B	ND		6.3	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.3	2.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.3	0.88	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.3	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.0	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.3	1.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.3	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.3	2.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.3	1.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.3	1.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.3	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.3	0.85	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.3	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.3	2.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.3	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.3	2.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.3	2.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.3	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.3	2.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.3	0.92	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.3	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.3	2.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.3	0.96	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.3	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.3	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.3	0.86	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.3	1.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.3	2.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.3	0.29	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.3	1.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
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H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14 (13-14')
Date Sampled: 05/14/2014 1220
Date Received: 05/16/2014

Laboratory ID: PE16083-004
Matrix: Solid
% Solids: 79.3 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2153	JJG		47165	5.01

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.3	0.50	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.3	0.52	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.3	3.3	ug/kg	1
Styrene	100-42-5	8260B	ND		6.3	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.3	0.59	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.1	J	6.3	0.63	ug/kg	1
Toluene	108-88-3	8260B	ND		6.3	2.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.3	0.79	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.3	2.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.3	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.3	0.99	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.3	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.3	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.3	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.3	3.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		94	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14 (20-21')
Date Sampled: 05/14/2014 1230
Date Received: 05/16/2014

Laboratory ID: PE16083-005
Matrix: Solid
% Solids: 84.4 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2215	JJG		47165	5.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.1	1.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	1.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	0.71	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	1.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	1.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	1.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	1.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	1.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	0.85	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	1.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	0.69	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	1.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	1.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	0.87	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	1.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	1.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	1.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	0.74	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	1.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	1.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	0.77	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	1.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	0.93	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	0.69	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	0.84	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	1.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	1.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	0.23	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	1.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	0.41	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	1.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	0.42	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	2.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	1.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	0.48	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.4	J	5.1	0.51	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	1.7	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14 (20-21')
Date Sampled: 05/14/2014 1230
Date Received: 05/16/2014

Laboratory ID: PE16083-005
Matrix: Solid
% Solids: 84.4 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2215	JJG		47165	5.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	0.64	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	0.87	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	0.81	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	1.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	1.5	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.1	0.88	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	3.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14 (44'-45')
Date Sampled: 05/14/2014 1240
Date Received: 05/16/2014

Laboratory ID: PE16083-006
Matrix: Solid
% Solids: 67.3 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		100	31	mg/kg	2

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15(7-8')
Date Sampled: 05/14/2014 1510
Date Received: 05/16/2014

Laboratory ID: PE16083-007
Matrix: Solid
% Solids: 75.8 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	390	J	980	310	mg/kg	2

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2238	JJG		47165	5.57

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	7.9	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.98	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.86	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.81	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15(7-8')
Date Sampled: 05/14/2014 1510
Date Received: 05/16/2014

Laboratory ID: PE16083-007
Matrix: Solid
% Solids: 75.8 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2238	JJG		47165	5.57

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.2	J	5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.75	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.94	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		88	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15(16-17')
Date Sampled: 05/14/2014 1520
Date Received: 05/16/2014

Laboratory ID: PE16083-008
Matrix: Solid
% Solids: 79.0 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2301	JJG		47165	4.90

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.7	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.90	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	0.87	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.94	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.98	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.5	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	0.53	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	3.0	J	6.5	0.65	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15(16-17')
Date Sampled: 05/14/2014 1520
Date Received: 05/16/2014

Laboratory ID: PE16083-008
Matrix: Solid
% Solids: 79.0 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2301	JJG		47165	4.90

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	0.81	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.5	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.5	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		92	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-8
Date Sampled: 05/13/2014 1525
Date Received: 05/16/2014

Laboratory ID: PE16083-009
Matrix: Solid
% Solids: 79.0 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2346	JJG		47165	5.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		24	8.0	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	0.83	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	0.99	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	0.80	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	1.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	0.87	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	0.90	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	0.81	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	0.97	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	1.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	0.49	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	3.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	0.56	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1.8	J	5.9	0.59	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	2.0	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP-8
Date Sampled: 05/13/2014 1525
Date Received: 05/16/2014

Laboratory ID: PE16083-009
Matrix: Solid
% Solids: 79.0 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/20/2014 2346	JJG		47165	5.33

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	0.75	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	1.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	0.94	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	2.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		86	53-142
Bromofluorobenzene		87	47-138
Toluene-d8		90	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15(23-24')
Date Sampled: 05/14/2014 1535
Date Received: 05/16/2014

Laboratory ID: PE16083-010
Matrix: Solid
% Solids: 80.3 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 0013	JJG		47165	4.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		28	9.2	ug/kg	1
Benzene	71-43-2	8260B	ND		6.9	1.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.9	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.9	0.96	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.9	2.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	3.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.9	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.9	2.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.9	2.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.9	1.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.9	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.9	1.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.9	0.93	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.9	2.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.9	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.9	1.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.9	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.9	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.9	2.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.9	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.9	1.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.9	1.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.9	2.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.9	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.9	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.9	1.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.9	0.94	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.9	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.9	2.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	1.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.9	0.32	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.9	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.9	0.55	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	2.1	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.9	0.56	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.9	3.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.9	1.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.9	0.65	ug/kg	1
Tetrachloroethene	127-18-4	8260B	3.4	J	6.9	0.69	ug/kg	1
Toluene	108-88-3	8260B	ND		6.9	2.3	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15(23-24')
Date Sampled: 05/14/2014 1535
Date Received: 05/16/2014

Laboratory ID: PE16083-010
Matrix: Solid
% Solids: 80.3 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 0013	JJG		47165	4.53

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.9	0.87	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.9	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.9	1.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.9	1.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.9	2.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.9	2.1	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.9	1.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.9	4.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		82	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15 (31-32')
Date Sampled: 05/14/2014 1545
Date Received: 05/16/2014

Laboratory ID: PE16083-011
Matrix: Solid
% Solids: 73.9 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		100	31	mg/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D (0-1')
Date Sampled: 05/14/2014 1845
Date Received: 05/16/2014

Laboratory ID: PE16083-012
Matrix: Solid
% Solids: 75.2 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1431	AAC		47201	4.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		30	10	ug/kg	1
Benzene	71-43-2	8260B	ND		7.5	1.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.5	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.5	1.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.5	2.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	3.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.5	1.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.5	2.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.5	2.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.5	1.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.5	1.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.5	1.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.5	1.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.5	2.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.5	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.5	1.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.5	2.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.5	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.5	2.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.5	2.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.5	1.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.5	1.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.5	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.5	1.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.5	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.5	1.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.5	1.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.5	1.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.5	2.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	1.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.5	0.34	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.5	1.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.5	0.60	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	2.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.5	0.61	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.5	3.9	ug/kg	1
Styrene	100-42-5	8260B	ND		7.5	1.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.5	0.70	ug/kg	1
Tetrachloroethene	127-18-4	8260B	3.2	J	7.5	0.75	ug/kg	1
Toluene	108-88-3	8260B	ND		7.5	2.5	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D (0-1')
Date Sampled: 05/14/2014 1845
Date Received: 05/16/2014

Laboratory ID: PE16083-012
Matrix: Solid
% Solids: 75.2 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1431	AAC		47201	4.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.5	0.94	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.5	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.5	1.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.5	1.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.5	2.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.5	2.2	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.5	1.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.5	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		93	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D (15-16')
Date Sampled: 05/14/2014 1855
Date Received: 05/16/2014

Laboratory ID: PE16083-013
Matrix: Solid
% Solids: 85.4 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	40	J	100	31	mg/kg	2

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1454	AAC		47201	5.01

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.8	ug/kg	1
Benzene	71-43-2	8260B	ND		5.8	1.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.8	2.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.8	0.82	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.8	2.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	2.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.8	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.8	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.8	2.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.8	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.8	0.97	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.8	1.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.8	0.79	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.8	1.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.8	2.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.8	0.99	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.8	2.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.8	2.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.8	2.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.8	1.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.8	0.85	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.8	1.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.8	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.8	0.89	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.8	1.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.8	1.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.8	0.79	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.8	0.96	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.8	2.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.8	0.27	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.8	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D (15-16')
Date Sampled: 05/14/2014 1855
Date Received: 05/16/2014

Laboratory ID: PE16083-013
Matrix: Solid
% Solids: 85.4 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1454	AAC		47201	5.01

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.8	0.47	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	1.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.8	0.48	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.8	3.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.8	1.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.8	0.55	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.5	J	5.8	0.58	ug/kg	1
Toluene	108-88-3	8260B	ND		5.8	2.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.8	0.74	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.8	2.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.8	0.99	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.8	0.92	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.8	1.8	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.8	1.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.8	3.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		92	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D (64-65')
Date Sampled: 05/14/2014 1905
Date Received: 05/16/2014

Laboratory ID: PE16083-014
Matrix: Solid
% Solids: 83.9 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		100	31	mg/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 23&24
Date Sampled: 05/14/2014 1910
Date Received: 05/16/2014

Laboratory ID: PE16083-015
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/28/2014 1621	ALL		47622	05/19/2014 1907

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		83	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 20, 21, 22, 25, 26, 27, 28
Date Sampled: 05/15/2014 1000
Date Received: 05/16/2014

Laboratory ID: PE16083-016
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/28/2014 1644	ALL		47622	05/19/2014 1907

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0030	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13(1-2')
Date Sampled: 05/15/2014 1030
Date Received: 05/16/2014

Laboratory ID: PE16083-017
Matrix: Solid
% Solids: 85.3 05/21/2014 2144

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1518	AAC		47201	4.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	18	J	26	8.6	ug/kg	1
Benzene	71-43-2	8260B	ND		6.4	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	0.90	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	2.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	2.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.4	0.87	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	1.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	0.94	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	0.98	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	1.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	0.88	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.4	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.4	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	1.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.4	0.53	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	0.61	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.8	J	6.4	0.64	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13(1-2')
Date Sampled: 05/15/2014 1030
Date Received: 05/16/2014

Laboratory ID: PE16083-017
Matrix: Solid
% Solids: 85.3 05/21/2014 2144

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1518	AAC		47201	4.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	0.81	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.4	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	3.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142
Bromofluorobenzene		90	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13 (25-26')
Date Sampled: 05/15/2014 1040
Date Received: 05/16/2014

Laboratory ID: PE16083-018
Matrix: Solid
% Solids: 85.0 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	ND		100	31	mg/kg	2

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1541	AAC		47201	5.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		23	7.6	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	1.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	1.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	0.79	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	2.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	2.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	1.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	1.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	0.94	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	1.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	0.76	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	1.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	0.96	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	1.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	1.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	1.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	0.82	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	1.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	1.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	0.86	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	1.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	0.77	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	0.92	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	1.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	1.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	0.26	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	1.1	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13 (25-26')
Date Sampled: 05/15/2014 1040
Date Received: 05/16/2014

Laboratory ID: PE16083-018
Matrix: Solid
% Solids: 85.0 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1541	AAC		47201	5.22

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	0.45	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	1.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	0.46	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	2.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	1.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	0.53	ug/kg	1
Tetrachloroethene	127-18-4	8260B	2.0	J	5.6	0.56	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	1.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	0.71	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	1.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	0.96	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	0.89	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.6	2.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	1.7	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.6	0.97	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	3.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		89	47-138
Toluene-d8		96	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13(36-37')
Date Sampled: 05/15/2014 1050
Date Received: 05/16/2014

Laboratory ID: PE16083-019
Matrix: Solid
% Solids: 81.9 05/16/2014 2207

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2		(TOC) Walkley-Black	1	06/03/2014 1420	AAD		48123

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
TOC		Walkley-Bla	39	J	99	31	mg/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 29
Date Sampled: 05/15/2014 1100
Date Received: 05/16/2014

Laboratory ID: PE16083-020
Matrix: Solid
% Solids: 81.1 05/19/2014 2141

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/28/2014 1708	ALL		47622	05/19/2014 1907

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	0.0030	J	0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10D (7-8')
Date Sampled: 05/15/2014 1520
Date Received: 05/16/2014

Laboratory ID: PE16083-021
Matrix: Solid
% Solids: 68.2 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1604	AAC		47201	5.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.8	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	0.92	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.1	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	0.88	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	0.96	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	0.99	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	0.89	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.5	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	0.52	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	0.54	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	0.62	ug/kg	1
Tetrachloroethene	127-18-4	8260B	230		6.5	0.65	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	2.2	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10D (7-8')
Date Sampled: 05/15/2014 1520
Date Received: 05/16/2014

Laboratory ID: PE16083-021
Matrix: Solid
% Solids: 68.2 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1604	AAC		47201	5.60

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	0.82	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.5	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.5	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	53-142
Bromofluorobenzene		93	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10D (22-23')
Date Sampled: 05/15/2014 1530
Date Received: 05/16/2014

Laboratory ID: PE16083-022
Matrix: Solid
% Solids: 69.6 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1627	AAC		47201	5.45
2	5035	8260B	50	05/22/2014 1616	AAC		47307	5.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		26	8.8	ug/kg	1
Benzene	71-43-2	8260B	ND		6.6	1.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.6	2.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.6	0.92	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.6	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	3.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.6	1.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.6	2.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.6	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.6	1.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.6	1.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.6	1.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.6	0.89	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.6	2.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.6	2.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.6	1.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.6	2.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.6	2.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.6	2.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.6	2.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.6	0.96	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.6	1.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.6	2.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.6	1.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.6	2.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.6	1.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.6	0.90	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.6	1.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.6	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	1.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.6	0.30	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.6	1.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.6	0.53	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	2.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.6	0.54	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.6	3.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.6	1.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.6	0.62	ug/kg	1
Tetrachloroethene	127-18-4	8260B	1700		330	33	ug/kg	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10D (22-23')
Date Sampled: 05/15/2014 1530
Date Received: 05/16/2014

Laboratory ID: PE16083-022
Matrix: Solid
% Solids: 69.6 05/16/2014 2207

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/21/2014 1627	AAC		47201	5.45
2	5035	8260B	50	05/22/2014 1616	AAC		47307	5.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		6.6	2.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.6	0.83	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.6	2.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.6	1.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.6	1.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.6	2.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.6	2.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.6	1.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.6	3.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142		109	53-142
Bromofluorobenzene		91	47-138		101	47-138
Toluene-d8		97	68-124		102	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5-15-14
Date Sampled: 05/15/2014
Date Received: 05/16/2014

Laboratory ID: PE16083-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2014 1005	JHD		47018

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Trip Blank 5-15-14
Date Sampled: 05/15/2014
Date Received: 05/16/2014

Laboratory ID: PE16083-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/19/2014 1005	JHD		47018

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 19
Date Sampled: 05/14/2014 1600
Date Received: 05/16/2014

Laboratory ID: PE16083-024
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	05/28/2014 1731	ALL		47622	05/19/2014 1907

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		116	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Inorganic non-metals - MB

Sample ID: PQ48123-001
Batch: 48123
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
TOC	ND		1	100	31	mg/kg	06/03/2014 1420

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: PQ48123-002
Batch: 48123
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1200		1	115	80-120	06/03/2014 1420

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: PQ48123-003
Batch: 48123
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1200		1	115	0.00	80-120	20	06/03/2014 1420

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47018-001
Batch: 47018
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	05/19/2014 0943
Benzene	ND		1	5.0	0.20	ug/L	05/19/2014 0943
Bromodichloromethane	ND		1	5.0	1.7	ug/L	05/19/2014 0943
Bromoform	ND		1	5.0	0.40	ug/L	05/19/2014 0943
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	05/19/2014 0943
2-Butanone (MEK)	ND		1	10	1.8	ug/L	05/19/2014 0943
Carbon disulfide	ND		1	5.0	0.30	ug/L	05/19/2014 0943
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	05/19/2014 0943
Chlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
Chloroethane	ND		1	5.0	0.50	ug/L	05/19/2014 0943
Chloroform	ND		1	5.0	1.7	ug/L	05/19/2014 0943
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	05/19/2014 0943
Cyclohexane	ND		1	5.0	0.98	ug/L	05/19/2014 0943
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	05/19/2014 0943
Dibromochloromethane	ND		1	5.0	1.7	ug/L	05/19/2014 0943
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	05/19/2014 0943
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	05/19/2014 0943
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	05/19/2014 0943
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	05/19/2014 0943
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	05/19/2014 0943
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	05/19/2014 0943
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	05/19/2014 0943
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	05/19/2014 0943
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/19/2014 0943
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	05/19/2014 0943
Ethylbenzene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
2-Hexanone	ND		1	10	1.0	ug/L	05/19/2014 0943
Isopropylbenzene	ND		1	5.0	1.0	ug/L	05/19/2014 0943
Methyl acetate	ND		1	5.0	0.72	ug/L	05/19/2014 0943
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	05/19/2014 0943
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	05/19/2014 0943
Methylcyclohexane	ND		1	5.0	0.95	ug/L	05/19/2014 0943
Methylene chloride	ND		1	5.0	1.7	ug/L	05/19/2014 0943
Styrene	ND		1	5.0	0.10	ug/L	05/19/2014 0943
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	05/19/2014 0943
Tetrachloroethene	ND		1	5.0	0.40	ug/L	05/19/2014 0943
Toluene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	05/19/2014 0943
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	05/19/2014 0943
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	05/19/2014 0943
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	05/19/2014 0943

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47018-001
Batch: 47018
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	05/19/2014 0943
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	05/19/2014 0943
Vinyl chloride	ND		1	2.0	0.10	ug/L	05/19/2014 0943
Xylenes (total)	ND		1	5.0	1.7	ug/L	05/19/2014 0943

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47018-002
Batch: 47018
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	116	60-140	05/19/2014 0813
Benzene	50	47		1	94	70-130	05/19/2014 0813
Bromodichloromethane	50	46		1	93	70-130	05/19/2014 0813
Bromoform	50	47		1	94	70-130	05/19/2014 0813
Bromomethane (Methyl bromide)	50	43		1	87	60-140	05/19/2014 0813
2-Butanone (MEK)	100	100		1	100	60-140	05/19/2014 0813
Carbon disulfide	50	47		1	93	60-140	05/19/2014 0813
Carbon tetrachloride	50	47		1	94	70-130	05/19/2014 0813
Chlorobenzene	50	47		1	93	70-130	05/19/2014 0813
Chloroethane	50	47		1	94	42-163	05/19/2014 0813
Chloroform	50	47		1	93	70-130	05/19/2014 0813
Chloromethane (Methyl chloride)	50	46		1	92	60-140	05/19/2014 0813
Cyclohexane	50	50		1	101	70-130	05/19/2014 0813
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	05/19/2014 0813
Dibromochloromethane	50	47		1	95	70-130	05/19/2014 0813
1,2-Dibromoethane (EDB)	50	47		1	95	70-130	05/19/2014 0813
1,4-Dichlorobenzene	50	46		1	91	70-130	05/19/2014 0813
1,2-Dichlorobenzene	50	47		1	94	70-130	05/19/2014 0813
1,3-Dichlorobenzene	50	47		1	93	70-130	05/19/2014 0813
Dichlorodifluoromethane	50	43		1	87	60-140	05/19/2014 0813
1,2-Dichloroethane	50	48		1	96	70-130	05/19/2014 0813
1,1-Dichloroethane	50	48		1	95	70-130	05/19/2014 0813
trans-1,2-Dichloroethene	50	48		1	95	70-130	05/19/2014 0813
1,1-Dichloroethene	50	47		1	94	70-130	05/19/2014 0813
cis-1,2-Dichloroethene	50	48		1	96	70-130	05/19/2014 0813
1,2-Dichloropropane	50	48		1	95	70-130	05/19/2014 0813
trans-1,3-Dichloropropene	50	49		1	98	70-130	05/19/2014 0813
cis-1,3-Dichloropropene	50	48		1	96	70-130	05/19/2014 0813
Ethylbenzene	50	47		1	94	70-130	05/19/2014 0813
2-Hexanone	100	98		1	98	60-140	05/19/2014 0813
Isopropylbenzene	50	48		1	96	70-130	05/19/2014 0813
Methyl acetate	50	53		1	106	70-130	05/19/2014 0813
Methyl tertiary butyl ether (MTBE)	50	49		1	97	70-130	05/19/2014 0813
4-Methyl-2-pentanone	100	97		1	97	60-140	05/19/2014 0813
Methylcyclohexane	50	47		1	94	70-130	05/19/2014 0813
Methylene chloride	50	44		1	88	70-130	05/19/2014 0813
Styrene	50	47		1	94	70-130	05/19/2014 0813
1,1,2,2-Tetrachloroethane	50	48		1	96	70-130	05/19/2014 0813
Tetrachloroethene	50	45		1	90	70-130	05/19/2014 0813
Toluene	50	46		1	92	70-130	05/19/2014 0813
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49		1	98	70-130	05/19/2014 0813
1,2,4-Trichlorobenzene	50	47		1	94	70-130	05/19/2014 0813
1,1,1-Trichloroethane	50	47		1	95	70-130	05/19/2014 0813
1,1,2-Trichloroethane	50	46		1	93	70-130	05/19/2014 0813

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47018-002
Batch: 47018
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	45		1	91	70-130	05/19/2014 0813
Trichlorofluoromethane	50	50		1	101	70-130	05/19/2014 0813
Vinyl chloride	50	45		1	91	70-130	05/19/2014 0813
Xylenes (total)	100	95		1	95	70-130	05/19/2014 0813

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47018-003
Batch: 47018
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	130		1	126	8.6	60-140	20	05/19/2014 0835
Benzene	50	49		1	99	5.3	70-130	20	05/19/2014 0835
Bromodichloromethane	50	49		1	98	5.3	70-130	20	05/19/2014 0835
Bromoform	50	49		1	98	4.4	70-130	20	05/19/2014 0835
Bromomethane (Methyl bromide)	50	45		1	90	4.0	60-140	20	05/19/2014 0835
2-Butanone (MEK)	100	110		1	113	12	60-140	20	05/19/2014 0835
Carbon disulfide	50	47		1	95	1.8	60-140	20	05/19/2014 0835
Carbon tetrachloride	50	49		1	97	3.6	70-130	20	05/19/2014 0835
Chlorobenzene	50	49		1	98	4.8	70-130	20	05/19/2014 0835
Chloroethane	50	49		1	98	3.7	42-163	20	05/19/2014 0835
Chloroform	50	48		1	96	3.2	70-130	20	05/19/2014 0835
Chloromethane (Methyl chloride)	50	47		1	95	2.7	60-140	20	05/19/2014 0835
Cyclohexane	50	52		1	104	3.3	70-130	20	05/19/2014 0835
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	103	4.5	70-130	20	05/19/2014 0835
Dibromochloromethane	50	50		1	99	4.3	70-130	20	05/19/2014 0835
1,2-Dibromoethane (EDB)	50	50		1	100	5.6	70-130	20	05/19/2014 0835
1,4-Dichlorobenzene	50	48		1	95	4.6	70-130	20	05/19/2014 0835
1,2-Dichlorobenzene	50	48		1	97	3.2	70-130	20	05/19/2014 0835
1,3-Dichlorobenzene	50	49		1	97	4.1	70-130	20	05/19/2014 0835
Dichlorodifluoromethane	50	45		1	91	4.1	60-140	20	05/19/2014 0835
1,2-Dichloroethane	50	49		1	98	2.6	70-130	20	05/19/2014 0835
1,1-Dichloroethane	50	49		1	98	3.2	70-130	20	05/19/2014 0835
trans-1,2-Dichloroethene	50	50		1	99	4.6	70-130	20	05/19/2014 0835
1,1-Dichloroethene	50	48		1	95	2.0	70-130	20	05/19/2014 0835
cis-1,2-Dichloroethene	50	49		1	98	2.2	70-130	20	05/19/2014 0835
1,2-Dichloropropane	50	50		1	100	5.4	70-130	20	05/19/2014 0835
trans-1,3-Dichloropropene	50	52		1	105	6.0	70-130	20	05/19/2014 0835
cis-1,3-Dichloropropene	50	52		1	103	7.3	70-130	20	05/19/2014 0835
Ethylbenzene	50	49		1	98	3.9	70-130	20	05/19/2014 0835
2-Hexanone	100	110		1	108	9.7	60-140	20	05/19/2014 0835
Isopropylbenzene	50	50		1	100	4.5	70-130	20	05/19/2014 0835
Methyl acetate	50	56		1	111	5.0	70-130	20	05/19/2014 0835
Methyl tertiary butyl ether (MTBE)	50	49		1	99	1.7	70-130	20	05/19/2014 0835
4-Methyl-2-pentanone	100	100		1	103	6.3	60-140	20	05/19/2014 0835
Methylcyclohexane	50	49		1	99	4.8	70-130	20	05/19/2014 0835
Methylene chloride	50	44		1	88	0.36	70-130	20	05/19/2014 0835
Styrene	50	49		1	99	5.3	70-130	20	05/19/2014 0835
1,1,2,2-Tetrachloroethane	50	50		1	100	4.7	70-130	20	05/19/2014 0835
Tetrachloroethene	50	47		1	94	4.1	70-130	20	05/19/2014 0835
Toluene	50	50		1	100	7.9	70-130	20	05/19/2014 0835
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	6.2	70-130	20	05/19/2014 0835
1,2,4-Trichlorobenzene	50	49		1	98	4.7	70-130	20	05/19/2014 0835
1,1,1-Trichloroethane	50	49		1	98	4.0	70-130	20	05/19/2014 0835
1,1,2-Trichloroethane	50	49		1	97	5.2	70-130	20	05/19/2014 0835

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47018-003
Batch: 47018
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	48		1	95	4.7	70-130	20	05/19/2014 0835
Trichlorofluoromethane	50	51		1	102	1.5	70-130	20	05/19/2014 0835
Vinyl chloride	50	47		1	94	3.8	70-130	20	05/19/2014 0835
Xylenes (total)	100	99		1	99	4.4	70-130	20	05/19/2014 0835

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47165-001
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/20/2014 2048
Benzene	ND		1	5.0	1.1	ug/kg	05/20/2014 2048
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
Bromoform	ND		1	5.0	0.70	ug/kg	05/20/2014 2048
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/20/2014 2048
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/20/2014 2048
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/20/2014 2048
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/20/2014 2048
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
Chloroethane	ND		1	5.0	1.3	ug/kg	05/20/2014 2048
Chloroform	ND		1	5.0	0.83	ug/kg	05/20/2014 2048
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/20/2014 2048
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/20/2014 2048
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/20/2014 2048
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/20/2014 2048
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/20/2014 2048
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/20/2014 2048
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/20/2014 2048
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/20/2014 2048
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/20/2014 2048
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/20/2014 2048
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/20/2014 2048
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/20/2014 2048
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
2-Hexanone	ND		1	10	1.3	ug/kg	05/20/2014 2048
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/20/2014 2048
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/20/2014 2048
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/20/2014 2048
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/20/2014 2048
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/20/2014 2048
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/20/2014 2048
Styrene	ND		1	5.0	1.1	ug/kg	05/20/2014 2048
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/20/2014 2048
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/20/2014 2048
Toluene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/20/2014 2048
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/20/2014 2048
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/20/2014 2048
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/20/2014 2048

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47165-001
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/20/2014 2048
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/20/2014 2048
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/20/2014 2048
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/20/2014 2048

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	47-138
1,2-Dichloroethane-d4		91	53-142
Toluene-d8		95	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47165-002
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	118	60-140	05/20/2014 1717
Benzene	50	48		1	95	69-123	05/20/2014 1717
Bromodichloromethane	50	49		1	98	69-121	05/20/2014 1717
Bromoform	50	50		1	101	61-119	05/20/2014 1717
Bromomethane (Methyl bromide)	50	43		1	87	10-168	05/20/2014 1717
2-Butanone (MEK)	100	120		1	120	57-148	05/20/2014 1717
Carbon disulfide	50	42		1	85	58-122	05/20/2014 1717
Carbon tetrachloride	50	47		1	94	58-136	05/20/2014 1717
Chlorobenzene	50	49		1	98	59-129	05/20/2014 1717
Chloroethane	50	43		1	86	42-163	05/20/2014 1717
Chloroform	50	48		1	96	71-125	05/20/2014 1717
Chloromethane (Methyl chloride)	50	43		1	87	34-134	05/20/2014 1717
Cyclohexane	50	44		1	89	53-139	05/20/2014 1717
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	106	55-125	05/20/2014 1717
Dibromochloromethane	50	49		1	98	66-119	05/20/2014 1717
1,2-Dibromoethane (EDB)	50	50		1	101	74-124	05/20/2014 1717
1,4-Dichlorobenzene	50	50		1	100	52-133	05/20/2014 1717
1,3-Dichlorobenzene	50	49		1	98	51-134	05/20/2014 1717
1,2-Dichlorobenzene	50	49		1	97	57-131	05/20/2014 1717
Dichlorodifluoromethane	50	43		1	86	10-157	05/20/2014 1717
1,2-Dichloroethane	50	49		1	99	67-129	05/20/2014 1717
1,1-Dichloroethane	50	47		1	94	71-127	05/20/2014 1717
trans-1,2-Dichloroethene	50	47		1	93	68-131	05/20/2014 1717
cis-1,2-Dichloroethene	50	47		1	94	70-122	05/20/2014 1717
1,1-Dichloroethene	50	45		1	89	69-138	05/20/2014 1717
1,2-Dichloropropane	50	48		1	97	72-124	05/20/2014 1717
trans-1,3-Dichloropropene	50	50		1	101	70-124	05/20/2014 1717
cis-1,3-Dichloropropene	50	49		1	98	70-126	05/20/2014 1717
Ethylbenzene	50	48		1	95	59-128	05/20/2014 1717
2-Hexanone	100	110		1	112	54-137	05/20/2014 1717
Isopropylbenzene	50	49		1	98	50-136	05/20/2014 1717
Methyl acetate	50	54		1	108	59-137	05/20/2014 1717
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	05/20/2014 1717
4-Methyl-2-pentanone	100	110		1	111	60-134	05/20/2014 1717
Methylcyclohexane	50	46		1	92	41-144	05/20/2014 1717
Methylene chloride	50	45		1	90	70-130	05/20/2014 1717
Styrene	50	49		1	97	54-136	05/20/2014 1717
1,1,2,2-Tetrachloroethane	50	53		1	107	69-132	05/20/2014 1717
Tetrachloroethene	50	47		1	95	45-150	05/20/2014 1717
Toluene	50	48		1	97	61-129	05/20/2014 1717
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	95	49-136	05/20/2014 1717
1,2,4-Trichlorobenzene	50	50		1	100	34-145	05/20/2014 1717
1,1,2-Trichloroethane	50	48		1	95	55-128	05/20/2014 1717
1,1,1-Trichloroethane	50	48		1	96	63-128	05/20/2014 1717

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47165-002
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	95	62-126	05/20/2014 1717
Trichlorofluoromethane	50	45		1	91	45-138	05/20/2014 1717
Vinyl chloride	50	43		1	86	42-132	05/20/2014 1717
Xylenes (total)	100	97		1	97	58-128	05/20/2014 1717

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	47-138
1,2-Dichloroethane-d4		91	53-142
Toluene-d8		95	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47165-003
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	113	4.2	60-140	20	05/20/2014 1740
Benzene	50	44		1	89	7.0	69-123	20	05/20/2014 1740
Bromodichloromethane	50	47		1	93	4.8	69-121	20	05/20/2014 1740
Bromoform	50	50		1	100	1.0	61-119	20	05/20/2014 1740
Bromomethane (Methyl bromide)	50	43		1	85	1.6	10-168	20	05/20/2014 1740
2-Butanone (MEK)	100	110		1	114	5.6	57-148	20	05/20/2014 1740
Carbon disulfide	50	40		1	80	5.3	58-122	20	05/20/2014 1740
Carbon tetrachloride	50	45		1	90	4.5	58-136	20	05/20/2014 1740
Chlorobenzene	50	47		1	95	3.1	59-129	20	05/20/2014 1740
Chloroethane	50	43		1	86	0.14	42-163	20	05/20/2014 1740
Chloroform	50	45		1	90	6.3	71-125	20	05/20/2014 1740
Chloromethane (Methyl chloride)	50	41		1	82	5.1	34-134	20	05/20/2014 1740
Cyclohexane	50	43		1	85	4.0	53-139	20	05/20/2014 1740
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	100	5.9	55-125	20	05/20/2014 1740
Dibromochloromethane	50	49		1	98	0.20	66-119	20	05/20/2014 1740
1,2-Dibromoethane (EDB)	50	49		1	98	2.3	74-124	20	05/20/2014 1740
1,4-Dichlorobenzene	50	47		1	94	5.9	52-133	20	05/20/2014 1740
1,3-Dichlorobenzene	50	48		1	95	2.6	51-134	20	05/20/2014 1740
1,2-Dichlorobenzene	50	49		1	97	0.076	57-131	20	05/20/2014 1740
Dichlorodifluoromethane	50	42		1	84	1.7	10-157	20	05/20/2014 1740
1,2-Dichloroethane	50	47		1	95	4.0	67-129	20	05/20/2014 1740
1,1-Dichloroethane	50	46		1	91	3.0	71-127	20	05/20/2014 1740
trans-1,2-Dichloroethene	50	45		1	90	3.4	68-131	20	05/20/2014 1740
cis-1,2-Dichloroethene	50	47		1	94	0.82	70-122	20	05/20/2014 1740
1,1-Dichloroethene	50	42		1	84	6.0	69-138	20	05/20/2014 1740
1,2-Dichloropropane	50	45		1	90	6.5	72-124	20	05/20/2014 1740
trans-1,3-Dichloropropene	50	50		1	100	0.34	70-124	20	05/20/2014 1740
cis-1,3-Dichloropropene	50	47		1	94	4.4	70-126	20	05/20/2014 1740
Ethylbenzene	50	47		1	94	1.5	59-128	20	05/20/2014 1740
2-Hexanone	100	120		1	118	5.6	54-137	20	05/20/2014 1740
Isopropylbenzene	50	47		1	94	3.6	50-136	20	05/20/2014 1740
Methyl acetate	50	51		1	102	5.9	59-137	20	05/20/2014 1740
Methyl tertiary butyl ether (MTBE)	50	49		1	97	0.85	70-130	20	05/20/2014 1740
4-Methyl-2-pentanone	100	110		1	110	0.99	60-134	20	05/20/2014 1740
Methylcyclohexane	50	43		1	87	5.8	41-144	20	05/20/2014 1740
Methylene chloride	50	45		1	90	0.31	70-130	20	05/20/2014 1740
Styrene	50	50		1	99	1.9	54-136	20	05/20/2014 1740
1,1,2,2-Tetrachloroethane	50	51		1	102	4.7	69-132	20	05/20/2014 1740
Tetrachloroethene	50	46		1	91	3.6	45-150	20	05/20/2014 1740
Toluene	50	46		1	93	4.3	61-129	20	05/20/2014 1740
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	45		1	90	5.2	49-136	20	05/20/2014 1740
1,2,4-Trichlorobenzene	50	48		1	96	4.4	34-145	20	05/20/2014 1740
1,1,2-Trichloroethane	50	47		1	94	1.9	55-128	20	05/20/2014 1740
1,1,1-Trichloroethane	50	46		1	91	5.3	63-128	20	05/20/2014 1740

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47165-003
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	45		1	91	4.5	62-126	20	05/20/2014 1740
Trichlorofluoromethane	50	43		1	86	5.5	45-138	20	05/20/2014 1740
Vinyl chloride	50	41		1	81	5.4	42-132	20	05/20/2014 1740
Xylenes (total)	100	96		1	96	1.3	58-128	20	05/20/2014 1740

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		95	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PE16083-002DU
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	ND	ND		1	0.00	20	05/21/2014 0042
Benzene	ND	ND		1	0.00	20	05/21/2014 0042
Bromodichloromethane	ND	ND		1	0.00	20	05/21/2014 0042
Bromoform	ND	ND		1	0.00	20	05/21/2014 0042
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	05/21/2014 0042
2-Butanone (MEK)	ND	ND		1	0.00	20	05/21/2014 0042
Carbon disulfide	ND	ND		1	0.00	20	05/21/2014 0042
Carbon tetrachloride	ND	ND		1	0.00	20	05/21/2014 0042
Chlorobenzene	ND	ND		1	0.00	20	05/21/2014 0042
Chloroethane	ND	ND		1	0.00	20	05/21/2014 0042
Chloroform	ND	ND		1	0.00	20	05/21/2014 0042
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	05/21/2014 0042
Cyclohexane	ND	ND		1	0.00	20	05/21/2014 0042
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	05/21/2014 0042
Dibromochloromethane	ND	ND		1	0.00	20	05/21/2014 0042
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	05/21/2014 0042
1,2-Dichlorobenzene	ND	ND		1	0.00	20	05/21/2014 0042
1,3-Dichlorobenzene	ND	ND		1	0.00	20	05/21/2014 0042
1,4-Dichlorobenzene	ND	ND		1	0.00	20	05/21/2014 0042
Dichlorodifluoromethane	ND	ND		1	0.00	20	05/21/2014 0042
1,1-Dichloroethane	ND	ND		1	0.00	20	05/21/2014 0042
1,2-Dichloroethane	ND	ND		1	0.00	20	05/21/2014 0042
1,1-Dichloroethene	ND	ND		1	0.00	20	05/21/2014 0042
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	05/21/2014 0042
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	05/21/2014 0042
1,2-Dichloropropane	ND	ND		1	0.00	20	05/21/2014 0042
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	05/21/2014 0042
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	05/21/2014 0042
Ethylbenzene	ND	ND		1	0.00	20	05/21/2014 0042
2-Hexanone	ND	ND		1	0.00	20	05/21/2014 0042
Isopropylbenzene	ND	ND		1	0.00	20	05/21/2014 0042
Methyl acetate	ND	ND		1	0.00	20	05/21/2014 0042
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	05/21/2014 0042
4-Methyl-2-pentanone	ND	ND		1	0.00	20	05/21/2014 0042
Methylcyclohexane	ND	ND		1	0.00	20	05/21/2014 0042
Methylene chloride	ND	ND		1	0.00	20	05/21/2014 0042
Styrene	ND	ND		1	0.00	20	05/21/2014 0042
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	05/21/2014 0042
Tetrachloroethene	6.6	60	+	1	160	20	05/21/2014 0042
Toluene	ND	ND		1	0.00	20	05/21/2014 0042
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	05/21/2014 0042
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	05/21/2014 0042
1,1,1-Trichloroethane	ND	ND		1	0.00	20	05/21/2014 0042
1,1,2-Trichloroethane	ND	ND		1	0.00	20	05/21/2014 0042

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PE16083-002DU
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	ND	ND		1	0.00	20	05/21/2014 0042
Trichlorofluoromethane	ND	ND		1	0.00	20	05/21/2014 0042
Vinyl chloride	ND	ND		1	0.00	20	05/21/2014 0042
Xylenes (total)	ND	ND		1	0.00	20	05/21/2014 0042

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		84	53-142
Bromofluorobenzene		86	47-138
Toluene-d8		93	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE16083-004MS
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	120	84		1	70	60-140	05/21/2014 0105
Benzene	ND	60	43		1	72	69-123	05/21/2014 0105
Bromodichloromethane	ND	60	40	N	1	67	69-121	05/21/2014 0105
Bromoform	ND	60	37		1	62	61-119	05/21/2014 0105
Bromomethane (Methyl bromide)	ND	60	42		1	70	35-144	05/21/2014 0105
2-Butanone (MEK)	ND	120	82		1	68	57-148	05/21/2014 0105
Carbon disulfide	ND	60	43		1	72	58-122	05/21/2014 0105
Carbon tetrachloride	ND	60	46		1	77	58-136	05/21/2014 0105
Chlorobenzene	ND	60	42		1	70	59-129	05/21/2014 0105
Chloroethane	ND	60	43		1	72	50-132	05/21/2014 0105
Chloroform	ND	60	43		1	71	71-125	05/21/2014 0105
Chloromethane (Methyl chloride)	ND	60	43		1	72	34-134	05/21/2014 0105
Cyclohexane	ND	60	46		1	76	53-139	05/21/2014 0105
1,2-Dibromo-3-chloropropane (DBCP)	ND	60	36		1	59	55-125	05/21/2014 0105
Dibromochloromethane	ND	60	38	N	1	63	66-119	05/21/2014 0105
1,2-Dibromoethane (EDB)	ND	60	38	N	1	63	74-124	05/21/2014 0105
1,2-Dichlorobenzene	ND	60	40		1	67	57-131	05/21/2014 0105
1,3-Dichlorobenzene	ND	60	40		1	67	51-134	05/21/2014 0105
1,4-Dichlorobenzene	ND	60	40		1	66	52-133	05/21/2014 0105
Dichlorodifluoromethane	ND	60	46		1	76	10-157	05/21/2014 0105
1,1-Dichloroethane	ND	60	44		1	72	71-127	05/21/2014 0105
1,2-Dichloroethane	ND	60	39	N	1	65	67-129	05/21/2014 0105
1,1-Dichloroethene	ND	60	45		1	75	69-138	05/21/2014 0105
cis-1,2-Dichloroethene	ND	60	43		1	72	70-122	05/21/2014 0105
trans-1,2-Dichloroethene	ND	60	45		1	75	68-131	05/21/2014 0105
1,2-Dichloropropane	ND	60	42	N	1	70	72-124	05/21/2014 0105
cis-1,3-Dichloropropene	ND	60	40	N	1	67	70-126	05/21/2014 0105
trans-1,3-Dichloropropene	ND	60	38	N	1	62	70-124	05/21/2014 0105
Ethylbenzene	ND	60	43		1	71	59-128	05/21/2014 0105
2-Hexanone	ND	120	71		1	59	54-137	05/21/2014 0105
Isopropylbenzene	ND	60	45		1	74	50-136	05/21/2014 0105
Methyl acetate	ND	60	41		1	68	59-137	05/21/2014 0105
Methyl tertiary butyl ether (MTBE)	ND	60	37	N	1	62	70-130	05/21/2014 0105
4-Methyl-2-pentanone	ND	120	76		1	63	60-134	05/21/2014 0105
Methylcyclohexane	ND	60	47		1	78	41-144	05/21/2014 0105
Methylene chloride	ND	60	40	N	1	67	77-129	05/21/2014 0105
Styrene	ND	60	41		1	68	54-136	05/21/2014 0105
1,1,2,2-Tetrachloroethane	ND	60	40	N	1	66	69-132	05/21/2014 0105
Tetrachloroethene	2.1	60	47		1	75	70-130	05/21/2014 0105
Toluene	ND	60	43		1	72	61-129	05/21/2014 0105
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	60	51		1	84	49-136	05/21/2014 0105
1,2,4-Trichlorobenzene	ND	60	37		1	62	34-145	05/21/2014 0105
1,1,1-Trichloroethane	ND	60	48		1	79	63-128	05/21/2014 0105
1,1,2-Trichloroethane	ND	60	37		1	61	55-128	05/21/2014 0105

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE16083-004MS
Batch: 47165
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	60	44		1	73	62-126	05/21/2014 0105
Trichlorofluoromethane	ND	60	46		1	76	45-138	05/21/2014 0105
Vinyl chloride	ND	60	45		1	75	42-132	05/21/2014 0105
Xylenes (total)	ND	120	86		1	72	58-128	05/21/2014 0105

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47201-001
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/kg	05/21/2014 1304
Benzene	ND		1	5.0	1.1	ug/kg	05/21/2014 1304
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
Bromoform	ND		1	5.0	0.70	ug/kg	05/21/2014 1304
Bromomethane (Methyl bromide)	ND		1	5.0	1.8	ug/kg	05/21/2014 1304
2-Butanone (MEK)	ND		1	10	2.4	ug/kg	05/21/2014 1304
Carbon disulfide	ND		1	5.0	1.3	ug/kg	05/21/2014 1304
Carbon tetrachloride	ND		1	5.0	1.8	ug/kg	05/21/2014 1304
Chlorobenzene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
Chloroethane	ND		1	5.0	1.3	ug/kg	05/21/2014 1304
Chloroform	ND		1	5.0	0.83	ug/kg	05/21/2014 1304
Chloromethane (Methyl chloride)	ND		1	5.0	1.0	ug/kg	05/21/2014 1304
Cyclohexane	ND		1	5.0	0.67	ug/kg	05/21/2014 1304
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	1.5	ug/kg	05/21/2014 1304
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
1,2-Dibromoethane (EDB)	ND		1	5.0	0.85	ug/kg	05/21/2014 1304
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
Dichlorodifluoromethane	ND		1	5.0	1.6	ug/kg	05/21/2014 1304
1,2-Dichloroethane	ND		1	5.0	1.0	ug/kg	05/21/2014 1304
1,1-Dichloroethane	ND		1	5.0	0.73	ug/kg	05/21/2014 1304
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	05/21/2014 1304
cis-1,2-Dichloroethene	ND		1	5.0	0.76	ug/kg	05/21/2014 1304
1,1-Dichloroethene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
1,2-Dichloropropane	ND		1	5.0	0.91	ug/kg	05/21/2014 1304
trans-1,3-Dichloropropene	ND		1	5.0	0.82	ug/kg	05/21/2014 1304
cis-1,3-Dichloropropene	ND		1	5.0	0.68	ug/kg	05/21/2014 1304
Ethylbenzene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
2-Hexanone	ND		1	10	1.3	ug/kg	05/21/2014 1304
Isopropylbenzene	ND		1	5.0	0.23	ug/kg	05/21/2014 1304
Methyl acetate	ND		1	5.0	0.98	ug/kg	05/21/2014 1304
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/kg	05/21/2014 1304
4-Methyl-2-pentanone	ND		1	10	1.5	ug/kg	05/21/2014 1304
Methylcyclohexane	ND		1	5.0	0.41	ug/kg	05/21/2014 1304
Methylene chloride	ND		1	5.0	2.6	ug/kg	05/21/2014 1304
Styrene	ND		1	5.0	1.1	ug/kg	05/21/2014 1304
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.47	ug/kg	05/21/2014 1304
Tetrachloroethene	ND		1	5.0	0.50	ug/kg	05/21/2014 1304
Toluene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.63	ug/kg	05/21/2014 1304
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/kg	05/21/2014 1304
1,1,2-Trichloroethane	ND		1	5.0	0.79	ug/kg	05/21/2014 1304
1,1,1-Trichloroethane	ND		1	5.0	0.85	ug/kg	05/21/2014 1304

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47201-001
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	1.9	ug/kg	05/21/2014 1304
Trichlorofluoromethane	ND		1	5.0	1.5	ug/kg	05/21/2014 1304
Vinyl chloride	ND		1	5.0	0.86	ug/kg	05/21/2014 1304
Xylenes (total)	ND		1	5.0	2.9	ug/kg	05/21/2014 1304

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		92	53-142
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47201-002
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	106	60-140	05/21/2014 1155
Benzene	50	42		1	84	69-123	05/21/2014 1155
Bromodichloromethane	50	43		1	86	69-121	05/21/2014 1155
Bromoform	50	44		1	88	61-119	05/21/2014 1155
Bromomethane (Methyl bromide)	50	40		1	80	10-168	05/21/2014 1155
2-Butanone (MEK)	100	100		1	102	57-148	05/21/2014 1155
Carbon disulfide	50	39		1	79	58-122	05/21/2014 1155
Carbon tetrachloride	50	42		1	84	58-136	05/21/2014 1155
Chlorobenzene	50	42		1	84	59-129	05/21/2014 1155
Chloroethane	50	41		1	81	42-163	05/21/2014 1155
Chloroform	50	42		1	84	71-125	05/21/2014 1155
Chloromethane (Methyl chloride)	50	39		1	78	34-134	05/21/2014 1155
Cyclohexane	50	41		1	83	53-139	05/21/2014 1155
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	84	55-125	05/21/2014 1155
Dibromochloromethane	50	42		1	84	66-119	05/21/2014 1155
1,2-Dibromoethane (EDB)	50	44		1	87	74-124	05/21/2014 1155
1,4-Dichlorobenzene	50	41		1	83	52-133	05/21/2014 1155
1,3-Dichlorobenzene	50	41		1	83	51-134	05/21/2014 1155
1,2-Dichlorobenzene	50	42		1	84	57-131	05/21/2014 1155
Dichlorodifluoromethane	50	39		1	78	10-157	05/21/2014 1155
1,2-Dichloroethane	50	44		1	89	67-129	05/21/2014 1155
1,1-Dichloroethane	50	42		1	84	71-127	05/21/2014 1155
trans-1,2-Dichloroethene	50	42		1	83	68-131	05/21/2014 1155
cis-1,2-Dichloroethene	50	42		1	84	70-122	05/21/2014 1155
1,1-Dichloroethene	50	41		1	82	69-138	05/21/2014 1155
1,2-Dichloropropane	50	42		1	83	72-124	05/21/2014 1155
trans-1,3-Dichloropropene	50	43		1	86	70-124	05/21/2014 1155
cis-1,3-Dichloropropene	50	43		1	85	70-126	05/21/2014 1155
Ethylbenzene	50	42		1	85	59-128	05/21/2014 1155
2-Hexanone	100	99		1	99	54-137	05/21/2014 1155
Isopropylbenzene	50	42		1	83	50-136	05/21/2014 1155
Methyl acetate	50	46		1	93	59-137	05/21/2014 1155
Methyl tertiary butyl ether (MTBE)	50	42		1	85	70-130	05/21/2014 1155
4-Methyl-2-pentanone	100	94		1	94	60-134	05/21/2014 1155
Methylcyclohexane	50	41		1	83	41-144	05/21/2014 1155
Methylene chloride	50	42		1	84	70-130	05/21/2014 1155
Styrene	50	43		1	86	54-136	05/21/2014 1155
1,1,2,2-Tetrachloroethane	50	44		1	88	69-132	05/21/2014 1155
Tetrachloroethene	50	42		1	85	45-150	05/21/2014 1155
Toluene	50	42		1	84	61-129	05/21/2014 1155
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	89	49-136	05/21/2014 1155
1,2,4-Trichlorobenzene	50	42		1	84	34-145	05/21/2014 1155
1,1,2-Trichloroethane	50	41		1	83	55-128	05/21/2014 1155
1,1,1-Trichloroethane	50	44		1	88	63-128	05/21/2014 1155

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47201-002
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	41		1	82	62-126	05/21/2014 1155
Trichlorofluoromethane	50	42		1	84	45-138	05/21/2014 1155
Vinyl chloride	50	39		1	79	42-132	05/21/2014 1155
Xylenes (total)	100	86		1	86	58-128	05/21/2014 1155

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		91	53-142
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47201-003
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	119	11	60-140	20	05/21/2014 1218
Benzene	50	40		1	81	3.7	69-123	20	05/21/2014 1218
Bromodichloromethane	50	42		1	83	3.4	69-121	20	05/21/2014 1218
Bromoform	50	42		1	84	4.8	61-119	20	05/21/2014 1218
Bromomethane (Methyl bromide)	50	40		1	79	1.2	10-168	20	05/21/2014 1218
2-Butanone (MEK)	100	100		1	103	1.6	57-148	20	05/21/2014 1218
Carbon disulfide	50	38		1	76	3.0	58-122	20	05/21/2014 1218
Carbon tetrachloride	50	41		1	82	2.3	58-136	20	05/21/2014 1218
Chlorobenzene	50	41		1	81	3.3	59-129	20	05/21/2014 1218
Chloroethane	50	38		1	77	5.5	42-163	20	05/21/2014 1218
Chloroform	50	42		1	84	0.70	71-125	20	05/21/2014 1218
Chloromethane (Methyl chloride)	50	37		1	74	4.6	34-134	20	05/21/2014 1218
Cyclohexane	50	39		1	79	4.7	53-139	20	05/21/2014 1218
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	87	3.0	55-125	20	05/21/2014 1218
Dibromochloromethane	50	41		1	81	3.6	66-119	20	05/21/2014 1218
1,2-Dibromoethane (EDB)	50	42		1	85	3.1	74-124	20	05/21/2014 1218
1,4-Dichlorobenzene	50	42		1	83	0.84	52-133	20	05/21/2014 1218
1,3-Dichlorobenzene	50	40		1	80	3.3	51-134	20	05/21/2014 1218
1,2-Dichlorobenzene	50	41		1	82	2.6	57-131	20	05/21/2014 1218
Dichlorodifluoromethane	50	37		1	73	5.8	10-157	20	05/21/2014 1218
1,2-Dichloroethane	50	44		1	88	1.6	67-129	20	05/21/2014 1218
1,1-Dichloroethane	50	42		1	83	1.7	71-127	20	05/21/2014 1218
trans-1,2-Dichloroethene	50	41		1	82	1.3	68-131	20	05/21/2014 1218
cis-1,2-Dichloroethene	50	42		1	84	0.47	70-122	20	05/21/2014 1218
1,1-Dichloroethene	50	39		1	78	3.9	69-138	20	05/21/2014 1218
1,2-Dichloropropane	50	41		1	81	2.8	72-124	20	05/21/2014 1218
trans-1,3-Dichloropropene	50	42		1	85	1.6	70-124	20	05/21/2014 1218
cis-1,3-Dichloropropene	50	42		1	85	0.38	70-126	20	05/21/2014 1218
Ethylbenzene	50	40		1	80	5.6	59-128	20	05/21/2014 1218
2-Hexanone	100	98		1	98	0.23	54-137	20	05/21/2014 1218
Isopropylbenzene	50	40		1	80	4.1	50-136	20	05/21/2014 1218
Methyl acetate	50	49		1	99	5.9	59-137	20	05/21/2014 1218
Methyl tertiary butyl ether (MTBE)	50	43		1	85	0.82	70-130	20	05/21/2014 1218
4-Methyl-2-pentanone	100	95		1	95	0.61	60-134	20	05/21/2014 1218
Methylcyclohexane	50	40		1	80	3.1	41-144	20	05/21/2014 1218
Methylene chloride	50	42		1	83	0.65	70-130	20	05/21/2014 1218
Styrene	50	42		1	84	2.1	54-136	20	05/21/2014 1218
1,1,2,2-Tetrachloroethane	50	43		1	85	3.0	69-132	20	05/21/2014 1218
Tetrachloroethene	50	39		1	78	8.1	45-150	20	05/21/2014 1218
Toluene	50	41		1	82	2.1	61-129	20	05/21/2014 1218
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	43		1	86	3.5	49-136	20	05/21/2014 1218
1,2,4-Trichlorobenzene	50	41		1	82	3.1	34-145	20	05/21/2014 1218
1,1,2-Trichloroethane	50	41		1	82	1.7	55-128	20	05/21/2014 1218
1,1,1-Trichloroethane	50	43		1	85	3.2	63-128	20	05/21/2014 1218

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47201-003
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	41		1	81	1.3	62-126	20	05/21/2014 1218
Trichlorofluoromethane	50	40		1	79	5.7	45-138	20	05/21/2014 1218
Vinyl chloride	50	38		1	76	4.1	42-132	20	05/21/2014 1218
Xylenes (total)	100	82		1	82	4.5	58-128	20	05/21/2014 1218

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	47-138
1,2-Dichloroethane-d4		90	53-142
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE16083-022MS
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	130	100		1	78	60-140	05/21/2014 1933
Benzene	ND	67	49		1	73	69-123	05/21/2014 1933
Bromodichloromethane	ND	67	47		1	70	69-121	05/21/2014 1933
Bromoform	ND	67	43		1	64	61-119	05/21/2014 1933
Bromomethane (Methyl bromide)	ND	67	47		1	70	35-144	05/21/2014 1933
2-Butanone (MEK)	ND	130	110		1	79	57-148	05/21/2014 1933
Carbon disulfide	ND	67	45		1	68	58-122	05/21/2014 1933
Carbon tetrachloride	ND	67	50		1	75	58-136	05/21/2014 1933
Chlorobenzene	ND	67	46		1	69	59-129	05/21/2014 1933
Chloroethane	ND	67	50		1	76	50-132	05/21/2014 1933
Chloroform	ND	67	49		1	73	71-125	05/21/2014 1933
Chloromethane (Methyl chloride)	ND	67	48		1	72	34-134	05/21/2014 1933
Cyclohexane	ND	67	51		1	76	53-139	05/21/2014 1933
1,2-Dibromo-3-chloropropane (DBCP)	ND	67	43		1	64	55-125	05/21/2014 1933
Dibromochloromethane	ND	67	45		1	67	66-119	05/21/2014 1933
1,2-Dibromoethane (EDB)	ND	67	45	N	1	67	74-124	05/21/2014 1933
1,2-Dichlorobenzene	ND	67	42		1	63	57-131	05/21/2014 1933
1,3-Dichlorobenzene	ND	67	41		1	61	51-134	05/21/2014 1933
1,4-Dichlorobenzene	ND	67	41		1	62	52-133	05/21/2014 1933
Dichlorodifluoromethane	ND	67	47		1	70	10-157	05/21/2014 1933
1,1-Dichloroethane	ND	67	50		1	74	71-127	05/21/2014 1933
1,2-Dichloroethane	ND	67	47		1	70	67-129	05/21/2014 1933
1,1-Dichloroethene	ND	67	49		1	73	69-138	05/21/2014 1933
cis-1,2-Dichloroethene	ND	67	49		1	74	70-122	05/21/2014 1933
trans-1,2-Dichloroethene	ND	67	50		1	74	68-131	05/21/2014 1933
1,2-Dichloropropane	ND	67	47	N	1	70	72-124	05/21/2014 1933
cis-1,3-Dichloropropene	ND	67	44	N	1	65	70-126	05/21/2014 1933
trans-1,3-Dichloropropene	ND	67	44	N	1	66	70-124	05/21/2014 1933
Ethylbenzene	ND	67	45		1	68	59-128	05/21/2014 1933
2-Hexanone	ND	130	98		1	73	54-137	05/21/2014 1933
Isopropylbenzene	ND	67	45		1	67	50-136	05/21/2014 1933
Methyl acetate	ND	67	52		1	78	59-137	05/21/2014 1933
Methyl tertiary butyl ether (MTBE)	ND	67	45	N	1	68	70-130	05/21/2014 1933
4-Methyl-2-pentanone	ND	130	99		1	74	60-134	05/21/2014 1933
Methylcyclohexane	ND	67	50		1	75	41-144	05/21/2014 1933
Methylene chloride	ND	67	46	N	1	69	77-129	05/21/2014 1933
Styrene	ND	67	46		1	69	54-136	05/21/2014 1933
1,1,2,2-Tetrachloroethane	ND	67	45	N	1	68	69-132	05/21/2014 1933
Tetrachloroethene	1700	67	52	N	1	-1450	70-130	05/21/2014 1933
Toluene	ND	67	47		1	70	61-129	05/21/2014 1933
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	67	54		1	81	49-136	05/21/2014 1933
1,2,4-Trichlorobenzene	ND	67	35		1	52	34-145	05/21/2014 1933
1,1,1-Trichloroethane	ND	67	51		1	77	63-128	05/21/2014 1933
1,1,2-Trichloroethane	ND	67	44		1	65	55-128	05/21/2014 1933

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PE16083-022MS
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	67	47		1	70	62-126	05/21/2014 1933
Trichlorofluoromethane	ND	67	49		1	73	45-138	05/21/2014 1933
Vinyl chloride	ND	67	50		1	75	42-132	05/21/2014 1933
Xylenes (total)	ND	130	93		1	69	58-128	05/21/2014 1933

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		95	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PE16083-022MD
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	130	130	+	1	101	25	60-140	20	05/21/2014 1956
Benzene	ND	66	69	+	1	105	35	69-123	20	05/21/2014 1956
Bromodichloromethane	ND	66	68	+	1	103	36	69-121	20	05/21/2014 1956
Bromoform	ND	66	63	+	1	95	37	61-119	20	05/21/2014 1956
Bromomethane (Methyl bromide)	ND	66	63	+	1	96	30	35-144	20	05/21/2014 1956
2-Butanone (MEK)	ND	130	140	+	1	104	25	57-148	20	05/21/2014 1956
Carbon disulfide	ND	66	59	+	1	90	26	58-122	20	05/21/2014 1956
Carbon tetrachloride	ND	66	67	+	1	101	28	58-136	20	05/21/2014 1956
Chlorobenzene	ND	66	62	+	1	95	30	59-129	20	05/21/2014 1956
Chloroethane	ND	66	66	+	1	100	27	50-132	20	05/21/2014 1956
Chloroform	ND	66	69	+	1	105	35	71-125	20	05/21/2014 1956
Chloromethane (Methyl chloride)	ND	66	63	+	1	95	26	34-134	20	05/21/2014 1956
Cyclohexane	ND	66	65	+	1	98	24	53-139	20	05/21/2014 1956
1,2-Dibromo-3-chloropropane (DBCP)	ND	66	58	+	1	89	31	55-125	20	05/21/2014 1956
Dibromochloromethane	ND	66	63	+	1	96	34	66-119	20	05/21/2014 1956
1,2-Dibromoethane (EDB)	ND	66	64	+	1	97	35	74-124	20	05/21/2014 1956
1,2-Dichlorobenzene	ND	66	57	+	1	87	30	57-131	20	05/21/2014 1956
1,3-Dichlorobenzene	ND	66	55	+	1	83	30	51-134	20	05/21/2014 1956
1,4-Dichlorobenzene	ND	66	53	+	1	80	25	52-133	20	05/21/2014 1956
Dichlorodifluoromethane	ND	66	61	+	1	92	25	10-157	20	05/21/2014 1956
1,1-Dichloroethane	ND	66	70	+	1	106	33	71-127	20	05/21/2014 1956
1,2-Dichloroethane	ND	66	67	+	1	102	36	67-129	20	05/21/2014 1956
1,1-Dichloroethene	ND	66	64	+	1	97	27	69-138	20	05/21/2014 1956
cis-1,2-Dichloroethene	ND	66	67	+	1	101	30	70-122	20	05/21/2014 1956
trans-1,2-Dichloroethene	ND	66	68	+	1	103	31	68-131	20	05/21/2014 1956
1,2-Dichloropropane	ND	66	66	+	1	101	35	72-124	20	05/21/2014 1956
cis-1,3-Dichloropropene	ND	66	64	+	1	98	38	70-126	20	05/21/2014 1956
trans-1,3-Dichloropropene	ND	66	62	+	1	93	34	70-124	20	05/21/2014 1956
Ethylbenzene	ND	66	60	+	1	92	29	59-128	20	05/21/2014 1956
2-Hexanone	ND	130	140	+	1	104	33	54-137	20	05/21/2014 1956
Isopropylbenzene	ND	66	58	+	1	89	26	50-136	20	05/21/2014 1956
Methyl acetate	ND	66	71	+	1	108	30	59-137	20	05/21/2014 1956
Methyl tertiary butyl ether (MTBE)	ND	66	66	+	1	100	37	70-130	20	05/21/2014 1956
4-Methyl-2-pentanone	ND	130	140	+	1	108	36	60-134	20	05/21/2014 1956
Methylcyclohexane	ND	66	64	+	1	98	25	41-144	20	05/21/2014 1956
Methylene chloride	ND	66	65	+	1	99	34	77-129	20	05/21/2014 1956
Styrene	ND	66	63	+	1	95	30	54-136	20	05/21/2014 1956
1,1,2,2-Tetrachloroethane	ND	66	64	+	1	98	35	69-132	20	05/21/2014 1956
Tetrachloroethene	1700	66	68	N,+	1	-1450	26	70-130	20	05/21/2014 1956
Toluene	ND	66	64	+	1	97	31	61-129	20	05/21/2014 1956
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	66	69	+	1	104	24	49-136	20	05/21/2014 1956
1,2,4-Trichlorobenzene	ND	66	48	+	1	73	32	34-145	20	05/21/2014 1956
1,1,1-Trichloroethane	ND	66	69	+	1	105	29	63-128	20	05/21/2014 1956
1,1,2-Trichloroethane	ND	66	63	+	1	96	36	55-128	20	05/21/2014 1956

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PE16083-022MD
Batch: 47201
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	66	63	+	1	95	28	62-126	20	05/21/2014 1956
Trichlorofluoromethane	ND	66	65	+	1	98	27	45-138	20	05/21/2014 1956
Vinyl chloride	ND	66	66	+	1	100	27	42-132	20	05/21/2014 1956
Xylenes (total)	ND	130	120	+	1	94	28	58-128	20	05/21/2014 1956

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		87	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ47307-001
Batch: 47307
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Tetrachloroethene	ND		50	250	25	ug/kg	05/22/2014 1444

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene	N	142	47-138
1,2-Dichloroethane-d4	N	148	53-142
Toluene-d8	N	147	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ47307-002
Batch: 47307
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	2500	2500		50	101	45-150	05/22/2014 1507

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		138	47-138
1,2-Dichloroethane-d4		140	53-142
Toluene-d8	N	138	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ47307-003
Batch: 47307
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Tetrachloroethene	2500	2700		50	109	7.2	45-150	20	05/22/2014 1530

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		137	47-138
1,2-Dichloroethane-d4		140	53-142
Toluene-d8	N	136	68-124

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ47622-001
Batch: 47622
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 05/19/2014 1907

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	05/28/2014 1424
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	05/28/2014 1424
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	05/28/2014 1424
Chlorobenzene	ND		10	0.050	0.0020	mg/L	05/28/2014 1424
Chloroform	ND		10	0.050	0.0030	mg/L	05/28/2014 1424
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	05/28/2014 1424
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	05/28/2014 1424
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	05/28/2014 1424
Trichloroethene	ND		10	0.050	0.0030	mg/L	05/28/2014 1424
Vinyl chloride	ND		10	0.010	0.0010	mg/L	05/28/2014 1424

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		77	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ47622-002
Batch: 47622
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 05/19/2014 1907

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.51		10	101	72-127	05/28/2014 1511
2-Butanone (MEK)	1.0	0.95		10	95	60-140	05/28/2014 1511
Carbon tetrachloride	0.50	0.50		10	100	37-166	05/28/2014 1511
Chlorobenzene	0.50	0.50		10	99	78-129	05/28/2014 1511
Chloroform	0.50	0.46		10	92	63-123	05/28/2014 1511
1,2-Dichloroethane	0.50	0.50		10	99	59-143	05/28/2014 1511
1,1-Dichloroethene	0.50	0.49		10	97	50-132	05/28/2014 1511
Tetrachloroethene	0.50	0.51		10	101	70-130	05/28/2014 1511
Trichloroethene	0.50	0.52		10	105	73-124	05/28/2014 1511
Vinyl chloride	0.50	0.51		10	101	29-159	05/28/2014 1511

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		88	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MS

Sample ID: PE16083-024MS
Batch: 47622
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B
Leachate Date: 05/19/2014 1907

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	0.50	0.50	W	10	101	70-127	05/28/2014 1754
2-Butanone (MEK)	ND	1.0	1.2	W	10	124	60-140	05/28/2014 1754
Carbon tetrachloride	ND	0.50	0.52	W	10	104	37-166	05/28/2014 1754
Chlorobenzene	ND	0.50	0.51	W	10	101	78-129	05/28/2014 1754
Chloroform	ND	0.50	0.51	W	10	101	63-123	05/28/2014 1754
1,2-Dichloroethane	ND	0.50	0.54	W	10	107	59-143	05/28/2014 1754
1,1-Dichloroethene	ND	0.50	0.51	W	10	101	50-132	05/28/2014 1754
Tetrachloroethene	ND	0.50	0.50	W	10	100	70-130	05/28/2014 1754
Trichloroethene	ND	0.50	0.56	W	10	112	73-124	05/28/2014 1754
Vinyl chloride	ND	0.50	0.50	W	10	101	29-159	05/28/2014 1754

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 31071

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Ron Paulling	Quote No.
Address: 128 Millport Circle Ste. 100	Telephone No. / Fax No. / Email: 864-527-4737 aaron.council@urs.com	Waybill No.	Page: 1 of 3
City: Greenville; State: SC; Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: Itron			
Project Number: 33764587.0002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	% solids	TCLP VOCs	TOC	Number of Containers	Bottle (See Instructions on back)	Preservative
													4	1	1	1	
													A	L	L	L	
													1	1	1	1	
MW-5D (1-2')	5/13/14	1215	G				✓		✓	✓							PE16083
MW-5D (21-22')	↓	1240	G				✓		✓	✓							
Drums 10 & 11	↓	1400	C				✓				✓						
MW-14 (13-14')	5/14/14	1220	G				✓		✓	✓		✓					
MW-14 (20-21')	↓	1230	G				✓		✓	✓							
MW-14 (44'-45')	↓	1240	G				✓					✓					
MW-15 (7-8')	↓	1510	G				✓		✓	✓		✓					
MW-15 (16-17')	↓	1520	G				✓		✓	✓							
DUP-8	↓	1525	G				✓		✓	✓							
MW-15 (23-24')	↓	1535	G				✓		✓	✓							HOLD

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron D. Council	5/16/14	1336	1. Received by:	5/16/14	1336
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date 5/16/14	Time 1555	4. Laboratory Received by	Date 5-16-14	Time 1555

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1.8 °C
Temp. Blank ☐ Y / ☐ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

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106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number 18355

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Ron Paulling	

Address	Telephone No. / Fax No. / Email	Waybill No.	Page
128 Millport Circle Ste 100	864-527-4737 aaron.council@urs.com		2 of 3

City	State	Zip Code	Project Name
Greenville	SC	29607	Itron

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Project Number	P.O Number
33764587.00002	

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	% solids	TCLP VOCs	TOC	Number of Containers	Bottle (See Instructions on back)	Preservative
									4	1	1	1			
									A	L	L	L			
									1	1	1	1			
MW-15 (31-32')	5/14/14	1545	G				✓					✓			
MW-9D (0-1')		1845	G				✓		✓	✓					
MW-9D (15-16')		1855	G				✓		✓	✓		✓			
MW-9D (64-65')		1905	G				✓					✓			
Drums 23 & 24		1910	G				✓				✓				
~~Drums 20, 22~~ (AC)															
Drums 20, 21, 22, 25, 26, 27,	5/15/14	1000	C					✓			✓				
MW-13 (1-2')		1030	G				✓		✓	✓					
MW-13 (25-26')		1040	G				✓		✓	✓		✓			
MW-13 (36-37')		1050	G				✓					✓			

PE16083

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by Sampler: Aaron D. Council	5/16/14	1336	1. Received by	5/16/14	1336
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	5/16/14	1555	4. Laboratory Received by: Kelly W.	5-16-14	1555

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack — Receipt Temp. 1.8 °C — Temp. Blank ☐ Y / ✓ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.

106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY **Chain of Custody Record**

Number 18354

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Ron Paulling	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
128 Millport Circle Ste. 100	864-527-4737 aaron.council@urs.com		3 of 3
City / **State** / **Zip Code**	**Preservative**		
Greenville / SC / 29607	1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.		
Project Name			
Itron			
Project Number	**P.O Number**		
33764587.00002			

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	% solids	TCLP VOCs	TOC
									4	1	1	1
									A	L	L	L
									1	1	1	1
Drum 29	5/15/14	1100	C				✓				✓	
MW-10D (7-8')		1520	G				✓		✓	✓		
MW-10D (22-23')		1530	G				✓		✓	✓		
MS		1530	G				✓		✓	✓		
MSD		1530	G				✓		✓	✓		
Trip Blank 5/15/14	↓											
Drum 19	5/14/14	1600	C				✓				✓	

Number of Containers
Bottle (See Instructions on back)
Preservative

PE16083

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron B. Council	5/16/14	1336	1. Received by	5/16/14	1336
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date 5/16/14	Time 1555	4. Laboratory Received by: Kelly W.	Date 5-16-14	Time 1555

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp. 1-8 °C
Temp. Blank ☐ Y / ☑ N

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: Buxton Env. Cooler Inspected by/date: KwP 5-16-14 Lot #: PE16075

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 11-8 / 11-9 °C / / °C / / °C / / °C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: +0.1 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____were received incorrectly preserved and were adjusted accordingly in sample receiving with _____(H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.			
Sample(s) _____were received with bubbles >6 mm in diameter.			
Sample(s)_____were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____ Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____			
Sample labels applied by: KwP Verified by:_____ Date: 5-16-14			

Comments:
-011 1 vial Received Empty

Report of Analysis

URS Corporation
128 Millport Circle
Suite 100
Greenville, SC 29607
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 33764563

Lot Number: PF06066

Date Completed: 06/17/2014

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

* P F 0 6 0 6 6 *

Case Narrative
URS Corporation
Lot Number: PF06066

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

PAH (SIM) by GC/MS

Due to a large detection of target compounds, sample -003 was diluted 500X causing both surrogates to recover outside of method criteria. No corrective action was required as it is known that dilutions of 5X and greater may impact surrogate recoveries.

The LCS associated with batch 48560 recovered Acenaphthylene at 101%. No corrective action was required as all associated samples were non-detect for this compound.

EDB by Microextraction

The surrogate associated with samples -006 and -011 recovered above method criteria. No corrective action was required as both samples were non-detect for the target compound.

Sample Summary
URS Corporation
Lot Number: PF06066

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	06/05/2014 0800	06/06/2014
002	MW-2	Aqueous	06/04/2014 0830	06/06/2014
003	MW-3	Aqueous	06/04/2014 1000	06/06/2014
004	MW-4	Aqueous	06/05/2014 0955	06/06/2014
005	MW-5	Aqueous	06/05/2014 1110	06/06/2014
006	MW-6	Aqueous	06/04/2014 1615	06/06/2014
007	MW-7	Aqueous	06/04/2014 1635	06/06/2014
008	MW-8	Aqueous	06/04/2014 1550	06/06/2014
009	MW-9	Aqueous	06/04/2014 1110	06/06/2014
010	MW-11	Aqueous	06/04/2014 1720	06/06/2014
011	MW-12	Aqueous	06/05/2014 0905	06/06/2014
012	MW-13	Aqueous	06/05/2014 0915	06/06/2014
013	MW-14	Aqueous	06/04/2014 1250	06/06/2014
014	MW-15	Aqueous	06/05/2014 1055	06/06/2014
015	MW-16	Aqueous	06/04/2014 1455	06/06/2014
016	MW-17	Aqueous	06/05/2014 1630	06/06/2014
017	MW-18	Aqueous	06/05/2014 1555	06/06/2014
018	MW-5D	Aqueous	06/05/2014 1030	06/06/2014
019	MW-9D	Aqueous	06/04/2014 1140	06/06/2014
020	MW-10D	Aqueous	06/04/2014 1155	06/06/2014
021	MW-16D	Aqueous	06/04/2014 1445	06/06/2014
022	DUP 10	Aqueous	06/04/2014 1450	06/06/2014
023	DUP 11	Aqueous	06/05/2014 1635	06/06/2014
024	EB-1	Aqueous	06/04/2014 1635	06/06/2014
025	EB-2	Aqueous	06/05/2014 1330	06/06/2014
026	Drums 39-40	Solid	06/05/2014 1505	06/06/2014
027	TB-1	Aqueous	06/04/2014	06/06/2014
028	TB-2	Aqueous	06/04/2014	06/06/2014
029	MW-10	Aqueous	06/04/2014 1310	06/06/2014
030	TB-3	Aqueous	06/04/2014	06/06/2014
031	TB-4	Aqueous	06/04/2014	06/06/2014
032	Drum 55	Aqueous	06/05/2014 1500	06/06/2014

(32 samples)

Executive Summary

URS Corporation

Lot Number: PF06066

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Tetrachloroethene	8260B	0.80	J	ug/L	6
002	MW-2	Aqueous	1,2-Dichloroethane	8260B	1.2	J	ug/L	9
002	MW-2	Aqueous	1,2-Dichloropropane	8260B	11		ug/L	9
002	MW-2	Aqueous	Tetrachloroethene	8260B	0.86	J	ug/L	9
002	MW-2	Aqueous	Benzo(a)anthracene	8270D (SIM)	0.042	J	ug/L	10
002	MW-2	Aqueous	Benzo(a)pyrene	8270D (SIM)	0.050	J	ug/L	10
002	MW-2	Aqueous	Benzo(b)fluoranthene	8270D (SIM)	0.11	J	ug/L	10
002	MW-2	Aqueous	Chrysene	8270D (SIM)	0.077	J	ug/L	10
002	MW-2	Aqueous	Fluoranthene	8270D (SIM)	0.15	J	ug/L	10
002	MW-2	Aqueous	Fluorene	8270D (SIM)	0.063	J	ug/L	10
002	MW-2	Aqueous	Naphthalene	8270D (SIM)	1.1		ug/L	10
002	MW-2	Aqueous	Phenanthrene	8270D (SIM)	0.15	J	ug/L	10
002	MW-2	Aqueous	Pyrene	8270D (SIM)	0.13	J	ug/L	10
003	MW-3	Aqueous	Benzene	8260B	17	J	ug/L	12
003	MW-3	Aqueous	2-Butanone (MEK)	8260B	33	J	ug/L	12
003	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	440		ug/L	12
003	MW-3	Aqueous	Ethylbenzene	8260B	16	J	ug/L	12
003	MW-3	Aqueous	2-Hexanone	8260B	10	J	ug/L	12
003	MW-3	Aqueous	Isopropylbenzene	8260B	26		ug/L	12
003	MW-3	Aqueous	4-Methyl-2-pentanone	8260B	6.9	J	ug/L	12
003	MW-3	Aqueous	Methylcyclohexane	8260B	5.1	J	ug/L	12
003	MW-3	Aqueous	Tetrachloroethene	8260B	21	J	ug/L	12
003	MW-3	Aqueous	Xylenes (total)	8260B	110		ug/L	13
003	MW-3	Aqueous	Naphthalene	8270D (SIM)	200		ug/L	13
004	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.39	J	ug/L	15
004	MW-4	Aqueous	Tetrachloroethene	8260B	2.4	J	ug/L	15
004	MW-4	Aqueous	Vinyl chloride	8260B	0.42	J	ug/L	16
004	MW-4	Aqueous	Fluorene	8270D (SIM)	0.028	J	ug/L	16
004	MW-4	Aqueous	Naphthalene	8270D (SIM)	0.14	J	ug/L	16
005	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	46	J	ug/L	18
005	MW-5	Aqueous	Tetrachloroethene	8260B	3700		ug/L	18
005	MW-5	Aqueous	Trichloroethene	8260B	15	J	ug/L	19
005	MW-5	Aqueous	Vinyl chloride	8260B	38	J	ug/L	19
006	MW-6	Aqueous	Tetrachloroethene	8260B	14000		ug/L	21
007	MW-7	Aqueous	Tetrachloroethene	8260B	97000		ug/L	24
008	MW-8	Aqueous	Tetrachloroethene	8260B	21000		ug/L	26
009	MW-9	Aqueous	Tetrachloroethene	8260B	1.4	J	ug/L	28
010	MW-11	Aqueous	Tetrachloroethene	8260B	37		ug/L	30
011	MW-12	Aqueous	Tetrachloroethene	8260B	4500		ug/L	32
011	MW-12	Aqueous	Naphthalene	8270D (SIM)	0.039	J	ug/L	33
012	MW-13	Aqueous	Chloroform	8260B	2.8	J	ug/L	35
012	MW-13	Aqueous	Tetrachloroethene	8260B	0.82	J	ug/L	35
013	MW-14	Aqueous	Chloroform	8260B	2.3	J	ug/L	37
013	MW-14	Aqueous	cis-1,2-Dichloroethene	8260B	0.24	J	ug/L	37
013	MW-14	Aqueous	Tetrachloroethene	8260B	78		ug/L	37

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
014	MW-15	Aqueous	Chloroform	8260B	3.9	J	ug/L	39
014	MW-15	Aqueous	Tetrachloroethene	8260B	0.60	J	ug/L	39
015	MW-16	Aqueous	Tetrachloroethene	8260B	160		ug/L	41
016	MW-17	Aqueous	Bromodichloromethane	8260B	3.2	J	ug/L	43
016	MW-17	Aqueous	Chloroform	8260B	8.6		ug/L	43
016	MW-17	Aqueous	Tetrachloroethene	8260B	75		ug/L	43
016	MW-17	Aqueous	Trichloroethene	8260B	0.79	J	ug/L	44
016	MW-17	Aqueous	Naphthalene	8270D (SIM)	0.033	J	ug/L	44
016	MW-17	Aqueous	Phenanthrene	8270D (SIM)	0.043	J	ug/L	44
017	MW-18	Aqueous	Tetrachloroethene	8260B	0.78	J	ug/L	46
017	MW-18	Aqueous	Naphthalene	8270D (SIM)	0.038	J	ug/L	47
018	MW-5D	Aqueous	Tetrachloroethene	8260B	190		ug/L	49
018	MW-5D	Aqueous	Trichloroethene	8260B	0.56	J	ug/L	50
018	MW-5D	Aqueous	Naphthalene	8270D (SIM)	0.10	J	ug/L	50
019	MW-9D	Aqueous	Chloroform	8260B	1.8	J	ug/L	52
019	MW-9D	Aqueous	cis-1,2-Dichloroethene	8260B	0.26	J	ug/L	52
020	MW-10D	Aqueous	Chloroform	8260B	2.5	J	ug/L	54
020	MW-10D	Aqueous	Tetrachloroethene	8260B	1.8	J	ug/L	54
021	MW-16D	Aqueous	Tetrachloroethene	8260B	18		ug/L	56
022	DUP 10	Aqueous	Tetrachloroethene	8260B	18		ug/L	58
023	DUP 11	Aqueous	Bromodichloromethane	8260B	3.1	J	ug/L	60
023	DUP 11	Aqueous	Chloroform	8260B	8.5		ug/L	60
023	DUP 11	Aqueous	Tetrachloroethene	8260B	73		ug/L	60
023	DUP 11	Aqueous	Trichloroethene	8260B	0.71	J	ug/L	61
023	DUP 11	Aqueous	Naphthalene	8270D (SIM)	0.071	J	ug/L	61
023	DUP 11	Aqueous	Phenanthrene	8270D (SIM)	0.040	J	ug/L	61
024	EB-1	Aqueous	Tetrachloroethene	8260B	1.7	J	ug/L	63
024	EB-1	Aqueous	Naphthalene	8270D (SIM)	0.033	J	ug/L	64
029	MW-10	Aqueous	cis-1,2-Dichloroethene	8260B	0.46	J	ug/L	73
029	MW-10	Aqueous	Tetrachloroethene	8260B	1500		ug/L	73
029	MW-10	Aqueous	Trichloroethene	8260B	1.3	J	ug/L	74
032	Drum 55	Aqueous	Tetrachloroethene	8260B	2.0		mg/L	79

(77 detections)

Client: URS Corporation
Description: MW-1
Date Sampled: 06/05/2014 0800
Date Received: 06/06/2014

Laboratory ID: PF06066-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1148	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.80	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-1
Date Sampled: 06/05/2014 0800
Date Received: 06/06/2014

Laboratory ID: PF06066-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1148	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		95	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1508	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	ND		0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-1
Date Sampled: 06/05/2014 0800
Date Received: 06/06/2014

Laboratory ID: PF06066-001
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		97	23-154
2-Methylnaphthalene-d10		81	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1137	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0057	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0063	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		85	57-137

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-2
Date Sampled: 06/04/2014 0830
Date Received: 06/06/2014

Laboratory ID: PF06066-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1212	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	1.2	J	5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	11		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.86	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-2
Date Sampled: 06/04/2014 0830
Date Received: 06/06/2014

Laboratory ID: PF06066-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1212	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		87	70-130
Toluene-d8		91	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	2	06/12/2014 1537	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.40	0.042	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.40	0.048	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.40	0.032	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	0.042	J	0.40	0.038	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	0.050	J	0.40	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	0.11	J	0.40	0.038	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.40	0.12	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.40	0.048	ug/L	1
Chrysene	218-01-9	8270D (SIM)	0.077	J	0.40	0.042	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.40	0.080	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	0.15	J	0.40	0.036	ug/L	1
Fluorene	86-73-7	8270D (SIM)	0.063	J	0.40	0.044	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.40	0.10	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	1.1		0.40	0.060	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	0.15	J	0.40	0.046	ug/L	1
Pyrene	129-00-0	8270D (SIM)	0.13	J	0.40	0.034	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-2
Date Sampled: 06/04/2014 0830
Date Received: 06/06/2014

Laboratory ID: PF06066-002
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		103	23-154
2-Methylnaphthalene-d10		87	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1203	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0055	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0061	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		74	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-3
Date Sampled: 06/04/2014 1000
Date Received: 06/06/2014

Laboratory ID: PF06066-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	06/10/2014 1235	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	34	ug/L	1
Benzene	71-43-2	8260B	17	J	25	1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	8.5	ug/L	1
Bromoform	75-25-2	8260B	ND		25	2.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	4.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	33	J	50	9.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	1.5	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	2.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	8.5	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	2.5	ug/L	1
Chloroform	67-66-3	8260B	ND		25	8.5	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	1.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	4.9	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	3.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	8.5	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	1.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	8.5	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	8.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	8.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	1.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.5	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	2.5	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	440		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.5	ug/L	1
Ethylbenzene	100-41-4	8260B	16	J	25	8.5	ug/L	1
2-Hexanone	591-78-6	8260B	10	J	50	5.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	26		25	5.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	3.6	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	2.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	6.9	J	50	4.0	ug/L	1
Methylcyclohexane	108-87-2	8260B	5.1	J	25	4.8	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	8.5	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	2.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	21	J	25	2.0	ug/L	1
Toluene	108-88-3	8260B	ND		25	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-3
Date Sampled: 06/04/2014 1000
Date Received: 06/06/2014

Laboratory ID: PF06066-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	06/10/2014 1235	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	8.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.5	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	1.5	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	1.5	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	110		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		93	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	500	06/13/2014 0950	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		100	11	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		100	12	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		100	8.0	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		100	9.5	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		100	10	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		100	9.5	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		100	31	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		100	12	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		100	11	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		100	20	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		100	9.0	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		100	11	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		100	25	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	200		100	15	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		100	12	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		100	8.5	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10	N	189	23-154
2-Methylnaphthalene-d10	N	250	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1225	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0056	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0062	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		88	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-4
Date Sampled: 06/05/2014 0955
Date Received: 06/06/2014

Laboratory ID: PF06066-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1258	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.39	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.4	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-4
Date Sampled: 06/05/2014 0955
Date Received: 06/06/2014

Laboratory ID: PF06066-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1258	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	0.42	J	2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		96	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1637	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	0.028	J	0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.14	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-4
Date Sampled: 06/05/2014 0955
Date Received: 06/06/2014

Laboratory ID: PF06066-004
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		106	23-154
2-Methylnaphthalene-d10		100	15-139

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5
Date Sampled: 06/05/2014 1110
Date Received: 06/06/2014

Laboratory ID: PF06066-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	06/10/2014 1322	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	340	ug/L	1
Benzene	71-43-2	8260B	ND		250	10	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		250	85	ug/L	1
Bromoform	75-25-2	8260B	ND		250	20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	40	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	90	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		250	15	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		250	20	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		250	85	ug/L	1
Chloroethane	75-00-3	8260B	ND		250	25	ug/L	1
Chloroform	67-66-3	8260B	ND		250	85	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	15	ug/L	1
Cyclohexane	110-82-7	8260B	ND		250	49	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	30	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		250	85	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	15	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	85	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	85	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	85	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		250	10	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	15	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		250	25	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	46	J	250	10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	15	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	15	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		250	85	ug/L	1
2-Hexanone	591-78-6	8260B	ND		500	50	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		250	50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		250	36	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	40	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		250	48	ug/L	1
Methylene chloride	75-09-2	8260B	ND		250	85	ug/L	1
Styrene	100-42-5	8260B	ND		250	5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	20	ug/L	1
Tetrachloroethene	127-18-4	8260B	3700		250	20	ug/L	1
Toluene	108-88-3	8260B	ND		250	85	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5
Date Sampled: 06/05/2014 1110
Date Received: 06/06/2014

Laboratory ID: PF06066-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	06/10/2014 1322	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		250	15	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		250	85	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		250	10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	15	ug/L	1
Trichloroethene	79-01-6	8260B	15	J	250	15	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		250	15	ug/L	1
Vinyl chloride	75-01-4	8260B	38	J	100	5.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		250	85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		87	70-130
Toluene-d8		93	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1707	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	ND		0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5
Date Sampled: 06/05/2014 1110
Date Received: 06/06/2014

Laboratory ID: PF06066-005
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		107	23-154
2-Methylnaphthalene-d10		90	15-139

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-6
Date Sampled: 06/04/2014 1615
Date Received: 06/06/2014

Laboratory ID: PF06066-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	06/10/2014 1345	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		4000	1300	ug/L	1
Benzene	71-43-2	8260B	ND		1000	40	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1000	340	ug/L	1
Bromoform	75-25-2	8260B	ND		1000	80	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1000	160	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		2000	360	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1000	60	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1000	80	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1000	340	ug/L	1
Chloroethane	75-00-3	8260B	ND		1000	100	ug/L	1
Chloroform	67-66-3	8260B	ND		1000	340	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1000	60	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1000	200	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1000	120	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1000	340	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1000	60	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1000	340	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1000	340	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1000	340	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1000	40	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1000	60	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	60	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1000	100	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1000	40	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1000	80	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1000	60	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1000	60	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1000	60	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1000	340	ug/L	1
2-Hexanone	591-78-6	8260B	ND		2000	200	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1000	200	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1000	140	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	80	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2000	160	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		1000	190	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1000	340	ug/L	1
Styrene	100-42-5	8260B	ND		1000	20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1000	80	ug/L	1
Tetrachloroethene	127-18-4	8260B	14000		1000	80	ug/L	1
Toluene	108-88-3	8260B	ND		1000	340	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-6
Date Sampled: 06/04/2014 1615
Date Received: 06/06/2014

Laboratory ID: PF06066-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	06/10/2014 1345	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1000	60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1000	340	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1000	40	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1000	60	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1000	60	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1000	60	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		400	20	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1000	340	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		87	70-130
Toluene-d8		94	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1737	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	ND		0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		111	23-154
2-Methylnaphthalene-d10		88	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1246	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0055	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0061	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	443	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-7
Date Sampled: 06/04/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1000	06/10/2014 1409	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20000	6700	ug/L	1
Benzene	71-43-2	8260B	ND		5000	200	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5000	1700	ug/L	1
Bromoform	75-25-2	8260B	ND		5000	400	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5000	800	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10000	1800	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5000	300	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5000	400	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5000	1700	ug/L	1
Chloroethane	75-00-3	8260B	ND		5000	500	ug/L	1
Chloroform	67-66-3	8260B	ND		5000	1700	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5000	300	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5000	980	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5000	600	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5000	1700	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5000	300	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5000	1700	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5000	1700	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5000	1700	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5000	200	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5000	300	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5000	300	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5000	500	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5000	200	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5000	400	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5000	300	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5000	300	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5000	300	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5000	1700	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10000	1000	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5000	1000	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5000	720	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5000	400	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10000	800	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5000	950	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5000	1700	ug/L	1
Styrene	100-42-5	8260B	ND		5000	100	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5000	400	ug/L	1
Tetrachloroethene	127-18-4	8260B	97000		5000	400	ug/L	1
Toluene	108-88-3	8260B	ND		5000	1700	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-7
Date Sampled: 06/04/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1000	06/10/2014 1409	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5000	300	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5000	1700	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5000	200	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5000	300	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5000	300	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5000	300	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2000	100	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5000	1700	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		86	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-8
Date Sampled: 06/04/2014 1550
Date Received: 06/06/2014

Laboratory ID: PF06066-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	06/10/2014 1432	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10000	3400	ug/L	1
Benzene	71-43-2	8260B	ND		2500	100	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		2500	850	ug/L	1
Bromoform	75-25-2	8260B	ND		2500	200	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2500	400	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		5000	900	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		2500	150	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		2500	200	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2500	850	ug/L	1
Chloroethane	75-00-3	8260B	ND		2500	250	ug/L	1
Chloroform	67-66-3	8260B	ND		2500	850	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2500	150	ug/L	1
Cyclohexane	110-82-7	8260B	ND		2500	490	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2500	300	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		2500	850	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2500	150	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2500	850	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2500	850	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2500	850	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2500	100	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		2500	150	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2500	150	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		2500	250	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2500	100	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2500	200	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		2500	150	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2500	150	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2500	150	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		2500	850	ug/L	1
2-Hexanone	591-78-6	8260B	ND		5000	500	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		2500	500	ug/L	1
Methyl acetate	79-20-9	8260B	ND		2500	360	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2500	200	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5000	400	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		2500	480	ug/L	1
Methylene chloride	75-09-2	8260B	ND		2500	850	ug/L	1
Styrene	100-42-5	8260B	ND		2500	50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2500	200	ug/L	1
Tetrachloroethene	127-18-4	8260B	21000		2500	200	ug/L	1
Toluene	108-88-3	8260B	ND		2500	850	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-8
Date Sampled: 06/04/2014 1550
Date Received: 06/06/2014

Laboratory ID: PF06066-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	06/10/2014 1432	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2500	150	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2500	850	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2500	100	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2500	150	ug/L	1
Trichloroethene	79-01-6	8260B	ND		2500	150	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		2500	150	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1000	50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		2500	850	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9
Date Sampled: 06/04/2014 1110
Date Received: 06/06/2014

Laboratory ID: PF06066-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1455	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.4	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9
Date Sampled: 06/04/2014 1110
Date Received: 06/06/2014

Laboratory ID: PF06066-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1455	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-11
Date Sampled: 06/04/2014 1720
Date Received: 06/06/2014

Laboratory ID: PF06066-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1519	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	37		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-11
Date Sampled: 06/04/2014 1720
Date Received: 06/06/2014

Laboratory ID: PF06066-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1519	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12
Date Sampled: 06/05/2014 0905
Date Received: 06/06/2014

Laboratory ID: PF06066-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	06/10/2014 1814	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	340	ug/L	1
Benzene	71-43-2	8260B	ND		250	10	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		250	85	ug/L	1
Bromoform	75-25-2	8260B	ND		250	20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	40	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	90	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		250	15	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		250	20	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		250	85	ug/L	1
Chloroethane	75-00-3	8260B	ND		250	25	ug/L	1
Chloroform	67-66-3	8260B	ND		250	85	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	15	ug/L	1
Cyclohexane	110-82-7	8260B	ND		250	49	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	30	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		250	85	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	15	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	85	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	85	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	85	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		250	10	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	15	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		250	25	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		250	10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	20	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	15	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	15	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	15	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		250	85	ug/L	1
2-Hexanone	591-78-6	8260B	ND		500	50	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		250	50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		250	36	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	20	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	40	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		250	48	ug/L	1
Methylene chloride	75-09-2	8260B	ND		250	85	ug/L	1
Styrene	100-42-5	8260B	ND		250	5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	20	ug/L	1
Tetrachloroethene	127-18-4	8260B	4500		250	20	ug/L	1
Toluene	108-88-3	8260B	ND		250	85	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12
Date Sampled: 06/05/2014 0905
Date Received: 06/06/2014

Laboratory ID: PF06066-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	06/10/2014 1814	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		250	15	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		250	85	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		250	10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	15	ug/L	1
Trichloroethene	79-01-6	8260B	ND		250	15	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		250	15	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		100	5.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		250	85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1807	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.039	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-12
Date Sampled: 06/05/2014 0905
Date Received: 06/06/2014

Laboratory ID: PF06066-011
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		111	23-154
2-Methylnaphthalene-d10		87	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1308	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.019	0.0054	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0060	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane	N	716	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13
Date Sampled: 06/05/2014 0915
Date Received: 06/06/2014

Laboratory ID: PF06066-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1542	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	2.8	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.82	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-13
Date Sampled: 06/05/2014 0915
Date Received: 06/06/2014

Laboratory ID: PF06066-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1542	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14
Date Sampled: 06/04/2014 1250
Date Received: 06/06/2014

Laboratory ID: PF06066-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1606	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	2.3	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.24	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	78		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-14
Date Sampled: 06/04/2014 1250
Date Received: 06/06/2014

Laboratory ID: PF06066-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1606	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		91	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15
Date Sampled: 06/05/2014 1055
Date Received: 06/06/2014

Laboratory ID: PF06066-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1629	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	3.9	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.60	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-15
Date Sampled: 06/05/2014 1055
Date Received: 06/06/2014

Laboratory ID: PF06066-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1629	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16
Date Sampled: 06/04/2014 1455
Date Received: 06/06/2014

Laboratory ID: PF06066-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	06/11/2014 1242	JHD		48726

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	2
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	2
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	2
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	2
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	2
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	2
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	2
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	2
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	2
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	2
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	2
Tetrachloroethene	127-18-4	8260B	160		5.0	0.40	ug/L	2
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16
Date Sampled: 06/04/2014 1455
Date Received: 06/06/2014

Laboratory ID: PF06066-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	06/11/2014 1242	JHD		48726

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	2
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17
Date Sampled: 06/05/2014 1630
Date Received: 06/06/2014

Laboratory ID: PF06066-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1715	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	3.2	J	5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	8.6		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	75		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17
Date Sampled: 06/05/2014 1630
Date Received: 06/06/2014

Laboratory ID: PF06066-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1715	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.79	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		87	70-130
Toluene-d8		92	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1837	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.033	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	0.043	J	0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-17
Date Sampled: 06/05/2014 1630
Date Received: 06/06/2014

Laboratory ID: PF06066-016
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		96	23-154
2-Methylnaphthalene-d10		94	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1329	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0056	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0062	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		83	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18
Date Sampled: 06/05/2014 1555
Date Received: 06/06/2014

Laboratory ID: PF06066-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1739	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.78	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18
Date Sampled: 06/05/2014 1555
Date Received: 06/06/2014

Laboratory ID: PF06066-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1739	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		96	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1906	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.038	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-18
Date Sampled: 06/05/2014 1555
Date Received: 06/06/2014

Laboratory ID: PF06066-017
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		115	23-154
2-Methylnaphthalene-d10		88	15-139

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5D
Date Sampled: 06/05/2014 1030
Date Received: 06/06/2014

Laboratory ID: PF06066-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	06/10/2014 1802	ALL		48624
2	5030B	8260B	1	06/11/2014 1434	JHD		48726

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	2
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	2
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	2
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	2
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	2
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	2
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	2
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	2
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	2
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	2
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	2
Tetrachloroethene	127-18-4	8260B	190		25	2.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5D
Date Sampled: 06/05/2014 1030
Date Received: 06/06/2014

Laboratory ID: PF06066-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	06/10/2014 1802	ALL		48624
2	5030B	8260B	1	06/11/2014 1434	JHD		48726

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	2
Trichloroethene	79-01-6	8260B	0.56	J	5.0	0.30	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130		100	70-130
Bromofluorobenzene		88	70-130		93	70-130
Toluene-d8		94	70-130		100	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 1936	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.10	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-5D
Date Sampled: 06/05/2014 1030
Date Received: 06/06/2014

Laboratory ID: PF06066-018
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		93	23-154
2-Methylnaphthalene-d10		83	15-139

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D
Date Sampled: 06/04/2014 1140
Date Received: 06/06/2014

Laboratory ID: PF06066-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 2225	PMM2		48678

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	1.8	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.26	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-9D
Date Sampled: 06/04/2014 1140
Date Received: 06/06/2014

Laboratory ID: PF06066-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 2225	PMM2		48678

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10D
Date Sampled: 06/04/2014 1155
Date Received: 06/06/2014

Laboratory ID: PF06066-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1418	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	2.5	J	5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.8	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10D
Date Sampled: 06/04/2014 1155
Date Received: 06/06/2014

Laboratory ID: PF06066-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1418	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16D
Date Sampled: 06/04/2014 1445
Date Received: 06/06/2014

Laboratory ID: PF06066-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1442	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	18		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-16D
Date Sampled: 06/04/2014 1445
Date Received: 06/06/2014

Laboratory ID: PF06066-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1442	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		94	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP 10
Date Sampled: 06/04/2014 1450
Date Received: 06/06/2014

Laboratory ID: PF06066-022
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1505	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	18		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP 10
Date Sampled: 06/04/2014 1450
Date Received: 06/06/2014

Laboratory ID: PF06066-022
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1505	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP 11
Date Sampled: 06/05/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 2247	PMM2		48678

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	3.1	J	5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	8.5		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	73		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP 11
Date Sampled: 06/05/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 2247	PMM2		48678

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	0.71	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 2006	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.071	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	0.040	J	0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: DUP 11
Date Sampled: 06/05/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-023
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		105	23-154
2-Methylnaphthalene-d10		80	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1351	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0056	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0062	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		115	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: EB-1
Date Sampled: 06/04/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-024
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1528	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.7	J	5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: EB-1
Date Sampled: 06/04/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-024
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1528	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		102	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/12/2014 2035	RBH	06/09/2014 1752	48560

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		0.20	0.024	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		0.20	0.016	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		0.20	0.020	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		0.20	0.019	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		0.20	0.062	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		0.20	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		0.20	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		0.20	0.040	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		0.20	0.018	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		0.20	0.022	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		0.20	0.050	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	0.033	J	0.20	0.030	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		0.20	0.023	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		0.20	0.017	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: EB-1
Date Sampled: 06/04/2014 1635
Date Received: 06/06/2014

Laboratory ID: PF06066-024
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10		107	23-154
2-Methylnaphthalene-d10		70	15-139

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1413	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0057	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0063	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		103	57-137

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: EB-2
Date Sampled: 06/05/2014 1330
Date Received: 06/06/2014

Laboratory ID: PF06066-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 2310	PMM2		48678

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: EB-2
Date Sampled: 06/05/2014 1330
Date Received: 06/06/2014

Laboratory ID: PF06066-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 2310	PMM2		48678

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

EDB & DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	06/13/2014 1434	JCG	06/12/2014 0020	48760

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8011	ND		0.020	0.0055	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0061	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		119	57-137

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drums 39-40
Date Sampled: 06/05/2014 1505
Date Received: 06/06/2014

Laboratory ID: PF06066-026
Matrix: Solid

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	06/14/2014 0438	PMM2		49033	06/11/2014 0248

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-1
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-027
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1551	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-1
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-027
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1551	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-2
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-028
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1615	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-2
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-028
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1615	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10
Date Sampled: 06/04/2014 1310
Date Received: 06/06/2014

Laboratory ID: PF06066-029
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1640	ALL		48618
2	5030B	8260B	10	06/11/2014 1049	JHD		48726

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.46	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	1500		50	4.0	ug/L	2

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: MW-10
Date Sampled: 06/04/2014 1310
Date Received: 06/06/2014

Laboratory ID: PF06066-029
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1640	ALL		48618
2	5030B	8260B	10	06/11/2014 1049	JHD		48726

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	1.3	J	5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130		99	70-130
Bromofluorobenzene		91	70-130		93	70-130
Toluene-d8		99	70-130		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-3
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-030
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1704	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-3
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-030
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1704	ALL		48618

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-4
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-031
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1125	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	1.7	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.40	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.80	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.30	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.40	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	1.7	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	1.7	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.30	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.98	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	1.7	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	1.7	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	1.7	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	1.7	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.20	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.30	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.30	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.40	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.30	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.30	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	1.7	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	1.0	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.72	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.40	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.80	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.95	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	1.7	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.40	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.40	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	1.7	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: TB-4
Date Sampled: 06/04/2014
Date Received: 06/06/2014

Laboratory ID: PF06066-031
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2014 1125	ALL		48624

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	1.7	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.30	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.30	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.30	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: URS Corporation
Description: Drum 55
Date Sampled: 06/05/2014 1500
Date Received: 06/06/2014

Laboratory ID: PF06066-032
Matrix: Aqueous

TCLP Volatiles

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Leachate Date
1	1311/5030B	8260B	10	06/13/2014 1558	JHD		48963	06/11/2014 1520

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		0.050	0.0020	mg/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		0.10	0.018	mg/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.050	0.0040	mg/L	1
Chlorobenzene	108-90-7	8260B	ND		0.050	0.0020	mg/L	1
Chloroform	67-66-3	8260B	ND		0.050	0.0030	mg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.050	0.0030	mg/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.050	0.0050	mg/L	1
Tetrachloroethene	127-18-4	8260B	2.0		0.050	0.0040	mg/L	1
Trichloroethene	79-01-6	8260B	ND		0.050	0.0030	mg/L	1
Vinyl chloride	75-01-4	8260B	ND		0.010	0.0010	mg/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48618-001
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/10/2014 1023
Benzene	ND		1	5.0	0.20	ug/L	06/10/2014 1023
Bromodichloromethane	ND		1	5.0	1.7	ug/L	06/10/2014 1023
Bromoform	ND		1	5.0	0.40	ug/L	06/10/2014 1023
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	06/10/2014 1023
2-Butanone (MEK)	ND		1	10	1.8	ug/L	06/10/2014 1023
Carbon disulfide	ND		1	5.0	0.30	ug/L	06/10/2014 1023
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	06/10/2014 1023
Chlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
Chloroethane	ND		1	5.0	0.50	ug/L	06/10/2014 1023
Chloroform	ND		1	5.0	1.7	ug/L	06/10/2014 1023
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	06/10/2014 1023
Cyclohexane	ND		1	5.0	0.98	ug/L	06/10/2014 1023
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	06/10/2014 1023
Dibromochloromethane	ND		1	5.0	1.7	ug/L	06/10/2014 1023
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	06/10/2014 1023
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	06/10/2014 1023
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1023
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1023
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	06/10/2014 1023
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	06/10/2014 1023
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	06/10/2014 1023
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	06/10/2014 1023
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/10/2014 1023
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/10/2014 1023
Ethylbenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
2-Hexanone	ND		1	10	1.0	ug/L	06/10/2014 1023
Isopropylbenzene	ND		1	5.0	1.0	ug/L	06/10/2014 1023
Methyl acetate	ND		1	5.0	0.72	ug/L	06/10/2014 1023
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	06/10/2014 1023
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	06/10/2014 1023
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/10/2014 1023
Methylene chloride	ND		1	5.0	1.7	ug/L	06/10/2014 1023
Styrene	ND		1	5.0	0.10	ug/L	06/10/2014 1023
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	06/10/2014 1023
Tetrachloroethene	ND		1	5.0	0.40	ug/L	06/10/2014 1023
Toluene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1023
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1023
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1023
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	06/10/2014 1023

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48618-001
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	06/10/2014 1023
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	06/10/2014 1023
Vinyl chloride	ND		1	2.0	0.10	ug/L	06/10/2014 1023
Xylenes (total)	ND		1	5.0	1.7	ug/L	06/10/2014 1023

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48618-002
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	06/10/2014 0849
Benzene	50	50		1	99	70-130	06/10/2014 0849
Bromodichloromethane	50	50		1	101	70-130	06/10/2014 0849
Bromoform	50	51		1	102	70-130	06/10/2014 0849
Bromomethane (Methyl bromide)	50	40		1	80	60-140	06/10/2014 0849
2-Butanone (MEK)	100	100		1	100	60-140	06/10/2014 0849
Carbon disulfide	50	51		1	101	60-140	06/10/2014 0849
Carbon tetrachloride	50	52		1	105	70-130	06/10/2014 0849
Chlorobenzene	50	49		1	99	70-130	06/10/2014 0849
Chloroethane	50	44		1	88	42-163	06/10/2014 0849
Chloroform	50	50		1	99	70-130	06/10/2014 0849
Chloromethane (Methyl chloride)	50	51		1	103	60-140	06/10/2014 0849
Cyclohexane	50	49		1	98	70-130	06/10/2014 0849
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	102	70-130	06/10/2014 0849
Dibromochloromethane	50	51		1	102	70-130	06/10/2014 0849
1,2-Dibromoethane (EDB)	50	51		1	101	70-130	06/10/2014 0849
1,2-Dichlorobenzene	50	50		1	100	70-130	06/10/2014 0849
1,3-Dichlorobenzene	50	51		1	102	70-130	06/10/2014 0849
1,4-Dichlorobenzene	50	50		1	100	70-130	06/10/2014 0849
Dichlorodifluoromethane	50	56		1	112	60-140	06/10/2014 0849
1,2-Dichloroethane	50	51		1	101	70-130	06/10/2014 0849
1,1-Dichloroethane	50	49		1	99	70-130	06/10/2014 0849
cis-1,2-Dichloroethene	50	50		1	100	70-130	06/10/2014 0849
1,1-Dichloroethene	50	51		1	101	70-130	06/10/2014 0849
trans-1,2-Dichloroethene	50	51		1	102	70-130	06/10/2014 0849
1,2-Dichloropropane	50	49		1	99	70-130	06/10/2014 0849
cis-1,3-Dichloropropene	50	52		1	104	70-130	06/10/2014 0849
trans-1,3-Dichloropropene	50	52		1	104	70-130	06/10/2014 0849
Ethylbenzene	50	50		1	100	70-130	06/10/2014 0849
2-Hexanone	100	97		1	97	60-140	06/10/2014 0849
Isopropylbenzene	50	53		1	106	70-130	06/10/2014 0849
Methyl acetate	50	46		1	92	70-130	06/10/2014 0849
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	06/10/2014 0849
4-Methyl-2-pentanone	100	96		1	96	60-140	06/10/2014 0849
Methylcyclohexane	50	50		1	100	70-130	06/10/2014 0849
Methylene chloride	50	46		1	91	70-130	06/10/2014 0849
Styrene	50	50		1	99	70-130	06/10/2014 0849
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	06/10/2014 0849
Tetrachloroethene	50	49		1	97	70-130	06/10/2014 0849
Toluene	50	51		1	102	70-130	06/10/2014 0849
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	60		1	120	70-130	06/10/2014 0849
1,2,4-Trichlorobenzene	50	52		1	103	70-130	06/10/2014 0849
1,1,2-Trichloroethane	50	50		1	99	70-130	06/10/2014 0849
1,1,1-Trichloroethane	50	50		1	100	70-130	06/10/2014 0849

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48618-002
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	06/10/2014 0849
Trichlorofluoromethane	50	59		1	118	70-130	06/10/2014 0849
Vinyl chloride	50	48		1	96	70-130	06/10/2014 0849
Xylenes (total)	100	100		1	100	70-130	06/10/2014 0849

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48618-003
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	101	2.4	60-140	20	06/10/2014 0911
Benzene	50	51		1	103	3.6	70-130	20	06/10/2014 0911
Bromodichloromethane	50	51		1	101	0.51	70-130	20	06/10/2014 0911
Bromoform	50	52		1	104	1.7	70-130	20	06/10/2014 0911
Bromomethane (Methyl bromide)	50	42		1	84	5.0	60-140	20	06/10/2014 0911
2-Butanone (MEK)	100	100		1	105	4.6	60-140	20	06/10/2014 0911
Carbon disulfide	50	51		1	102	0.71	60-140	20	06/10/2014 0911
Carbon tetrachloride	50	54		1	109	3.9	70-130	20	06/10/2014 0911
Chlorobenzene	50	50		1	100	1.7	70-130	20	06/10/2014 0911
Chloroethane	50	44		1	89	1.2	42-163	20	06/10/2014 0911
Chloroform	50	51		1	103	3.3	70-130	20	06/10/2014 0911
Chloromethane (Methyl chloride)	50	52		1	104	0.87	60-140	20	06/10/2014 0911
Cyclohexane	50	49		1	99	0.45	70-130	20	06/10/2014 0911
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	101	1.0	70-130	20	06/10/2014 0911
Dibromochloromethane	50	51		1	102	0.25	70-130	20	06/10/2014 0911
1,2-Dibromoethane (EDB)	50	51		1	103	1.8	70-130	20	06/10/2014 0911
1,2-Dichlorobenzene	50	50		1	100	0.43	70-130	20	06/10/2014 0911
1,3-Dichlorobenzene	50	51		1	102	0.14	70-130	20	06/10/2014 0911
1,4-Dichlorobenzene	50	50		1	100	0.0080	70-130	20	06/10/2014 0911
Dichlorodifluoromethane	50	58		1	116	3.9	60-140	20	06/10/2014 0911
1,2-Dichloroethane	50	50		1	101	0.48	70-130	20	06/10/2014 0911
1,1-Dichloroethane	50	50		1	100	1.1	70-130	20	06/10/2014 0911
cis-1,2-Dichloroethene	50	51		1	102	2.1	70-130	20	06/10/2014 0911
1,1-Dichloroethene	50	52		1	105	3.6	70-130	20	06/10/2014 0911
trans-1,2-Dichloroethene	50	52		1	105	2.5	70-130	20	06/10/2014 0911
1,2-Dichloropropane	50	50		1	100	1.9	70-130	20	06/10/2014 0911
cis-1,3-Dichloropropene	50	53		1	106	1.9	70-130	20	06/10/2014 0911
trans-1,3-Dichloropropene	50	53		1	107	2.2	70-130	20	06/10/2014 0911
Ethylbenzene	50	51		1	102	1.9	70-130	20	06/10/2014 0911
2-Hexanone	100	99		1	99	2.4	60-140	20	06/10/2014 0911
Isopropylbenzene	50	54		1	107	1.2	70-130	20	06/10/2014 0911
Methyl acetate	50	45		1	90	2.0	70-130	20	06/10/2014 0911
Methyl tertiary butyl ether (MTBE)	50	50		1	101	0.64	70-130	20	06/10/2014 0911
4-Methyl-2-pentanone	100	97		1	97	1.2	60-140	20	06/10/2014 0911
Methylcyclohexane	50	53		1	107	6.5	70-130	20	06/10/2014 0911
Methylene chloride	50	47		1	93	2.2	70-130	20	06/10/2014 0911
Styrene	50	51		1	101	2.1	70-130	20	06/10/2014 0911
1,1,2,2-Tetrachloroethane	50	50		1	100	0.26	70-130	20	06/10/2014 0911
Tetrachloroethene	50	50		1	99	2.2	70-130	20	06/10/2014 0911
Toluene	50	53		1	106	3.9	70-130	20	06/10/2014 0911
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	61		1	122	1.7	70-130	20	06/10/2014 0911
1,2,4-Trichlorobenzene	50	49		1	99	4.7	70-130	20	06/10/2014 0911
1,1,2-Trichloroethane	50	50		1	99	0.038	70-130	20	06/10/2014 0911
1,1,1-Trichloroethane	50	51		1	102	1.3	70-130	20	06/10/2014 0911

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48618-003
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	52		1	104	3.9	70-130	20	06/10/2014 0911
Trichlorofluoromethane	50	60		1	119	1.2	70-130	20	06/10/2014 0911
Vinyl chloride	50	49		1	98	1.5	70-130	20	06/10/2014 0911
Xylenes (total)	100	100		1	102	2.3	70-130	20	06/10/2014 0911

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PF06066-011MS
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	5000	4800		50	94	60-140	06/10/2014 1837
Benzene	ND	2500	2600		50	102	70-130	06/10/2014 1837
Bromodichloromethane	ND	2500	2500		50	100	71-143	06/10/2014 1837
Bromoform	ND	2500	2500		50	100	65-131	06/10/2014 1837
Bromomethane (Methyl bromide)	ND	2500	2000		50	79	36-168	06/10/2014 1837
2-Butanone (MEK)	ND	5000	4700		50	93	60-140	06/10/2014 1837
Carbon disulfide	ND	2500	2500		50	99	60-140	06/10/2014 1837
Carbon tetrachloride	ND	2500	2700		50	110	37-166	06/10/2014 1837
Chlorobenzene	ND	2500	2500		50	98	78-129	06/10/2014 1837
Chloroethane	ND	2500	2300		50	91	60-140	06/10/2014 1837
Chloroform	ND	2500	2500		50	101	63-123	06/10/2014 1837
Chloromethane (Methyl chloride)	ND	2500	2900		50	115	20-158	06/10/2014 1837
Cyclohexane	ND	2500	2600		50	104	70-130	06/10/2014 1837
1,2-Dibromo-3-chloropropane (DBCP)	ND	2500	2400		50	96	70-130	06/10/2014 1837
Dibromochloromethane	ND	2500	2500		50	100	74-134	06/10/2014 1837
1,2-Dibromoethane (EDB)	ND	2500	2500		50	98	70-130	06/10/2014 1837
1,2-Dichlorobenzene	ND	2500	2400		50	95	70-130	06/10/2014 1837
1,3-Dichlorobenzene	ND	2500	2500		50	98	70-130	06/10/2014 1837
1,4-Dichlorobenzene	ND	2500	2400		50	97	70-130	06/10/2014 1837
Dichlorodifluoromethane	ND	2500	3000		50	118	10-158	06/10/2014 1837
1,1-Dichloroethane	ND	2500	2500		50	100	69-132	06/10/2014 1837
1,2-Dichloroethane	ND	2500	2500		50	100	70-130	06/10/2014 1837
1,1-Dichloroethene	ND	2500	2600		50	106	50-132	06/10/2014 1837
cis-1,2-Dichloroethene	ND	2500	2500		50	100	70-130	06/10/2014 1837
trans-1,2-Dichloroethene	ND	2500	2600		50	105	70-130	06/10/2014 1837
1,2-Dichloropropane	ND	2500	2500		50	100	71-126	06/10/2014 1837
cis-1,3-Dichloropropene	ND	2500	2400		50	97	69-130	06/10/2014 1837
trans-1,3-Dichloropropene	ND	2500	2500		50	99	73-131	06/10/2014 1837
Ethylbenzene	ND	2500	2600		50	103	70-130	06/10/2014 1837
2-Hexanone	ND	5000	5100		50	102	60-140	06/10/2014 1837
Isopropylbenzene	ND	2500	2700		50	108	70-130	06/10/2014 1837
Methyl acetate	ND	2500	2300		50	93	15-128	06/10/2014 1837
Methyl tertiary butyl ether (MTBE)	ND	2500	2400		50	98	70-130	06/10/2014 1837
4-Methyl-2-pentanone	ND	5000	4900		50	98	60-140	06/10/2014 1837
Methylcyclohexane	ND	2500	2600		50	103	70-130	06/10/2014 1837
Methylene chloride	ND	2500	2200		50	89	69-129	06/10/2014 1837
Styrene	ND	2500	2500		50	100	70-130	06/10/2014 1837
1,1,2,2-Tetrachloroethane	ND	2500	2300		50	94	60-155	06/10/2014 1837
Tetrachloroethene	4500	2500	6800		50	94	70-130	06/10/2014 1837
Toluene	ND	2500	2600		50	104	70-130	06/10/2014 1837
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2500	3000		50	119	70-130	06/10/2014 1837
1,2,4-Trichlorobenzene	ND	2500	2300		50	92	70-130	06/10/2014 1837
1,1,1-Trichloroethane	ND	2500	2600		50	103	77-132	06/10/2014 1837
1,1,2-Trichloroethane	ND	2500	2400		50	96	77-132	06/10/2014 1837

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PF06066-011MS
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	2500	2600		50	104	73-124	06/10/2014 1837
Trichlorofluoromethane	ND	2500	2900		50	118	60-140	06/10/2014 1837
Vinyl chloride	ND	2500	2600		50	103	29-159	06/10/2014 1837
Xylenes (total)	ND	5000	5100		50	101	70-130	06/10/2014 1837

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PF06066-011MD
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	5000	4200		50	84	12	60-140	20	06/10/2014 1902
Benzene	ND	2500	2500		50	100	1.9	70-130	20	06/10/2014 1902
Bromodichloromethane	ND	2500	2500		50	100	0.64	71-143	20	06/10/2014 1902
Bromoform	ND	2500	2500		50	100	0.30	65-131	20	06/10/2014 1902
Bromomethane (Methyl bromide)	ND	2500	1900		50	77	3.6	36-168	20	06/10/2014 1902
2-Butanone (MEK)	ND	5000	4700		50	94	1.1	60-140	20	06/10/2014 1902
Carbon disulfide	ND	2500	2500		50	98	0.38	60-140	20	06/10/2014 1902
Carbon tetrachloride	ND	2500	2700		50	108	1.2	37-166	20	06/10/2014 1902
Chlorobenzene	ND	2500	2500		50	98	0.12	78-129	20	06/10/2014 1902
Chloroethane	ND	2500	2200		50	89	2.1	60-140	20	06/10/2014 1902
Chloroform	ND	2500	2500		50	99	2.1	63-123	20	06/10/2014 1902
Chloromethane (Methyl chloride)	ND	2500	2800		50	111	4.0	20-158	20	06/10/2014 1902
Cyclohexane	ND	2500	2400		50	98	6.0	70-130	20	06/10/2014 1902
1,2-Dibromo-3-chloropropane (DBCP)	ND	2500	2400		50	95	1.3	70-130	20	06/10/2014 1902
Dibromochloromethane	ND	2500	2500		50	101	1.1	74-134	20	06/10/2014 1902
1,2-Dibromoethane (EDB)	ND	2500	2500		50	100	1.7	70-130	20	06/10/2014 1902
1,2-Dichlorobenzene	ND	2500	2400		50	97	1.5	70-130	20	06/10/2014 1902
1,3-Dichlorobenzene	ND	2500	2500		50	99	0.26	70-130	20	06/10/2014 1902
1,4-Dichlorobenzene	ND	2500	2500		50	98	0.85	70-130	20	06/10/2014 1902
Dichlorodifluoromethane	ND	2500	2800		50	110	6.9	10-158	20	06/10/2014 1902
1,1-Dichloroethane	ND	2500	2500		50	99	1.4	69-132	20	06/10/2014 1902
1,2-Dichloroethane	ND	2500	2500		50	98	1.8	70-130	20	06/10/2014 1902
1,1-Dichloroethene	ND	2500	2600		50	105	1.3	50-132	20	06/10/2014 1902
cis-1,2-Dichloroethene	ND	2500	2500		50	99	1.3	70-130	20	06/10/2014 1902
trans-1,2-Dichloroethene	ND	2500	2600		50	103	1.6	70-130	20	06/10/2014 1902
1,2-Dichloropropane	ND	2500	2500		50	99	1.1	71-126	20	06/10/2014 1902
cis-1,3-Dichloropropene	ND	2500	2500		50	99	1.9	69-130	20	06/10/2014 1902
trans-1,3-Dichloropropene	ND	2500	2500		50	99	0.27	73-131	20	06/10/2014 1902
Ethylbenzene	ND	2500	2600		50	104	0.40	70-130	20	06/10/2014 1902
2-Hexanone	ND	5000	5000		50	100	1.7	60-140	20	06/10/2014 1902
Isopropylbenzene	ND	2500	2700		50	108	0.78	70-130	20	06/10/2014 1902
Methyl acetate	ND	2500	2200		50	87	5.8	15-128	20	06/10/2014 1902
Methyl tertiary butyl ether (MTBE)	ND	2500	2400		50	97	0.52	70-130	20	06/10/2014 1902
4-Methyl-2-pentanone	ND	5000	4800		50	95	3.0	60-140	20	06/10/2014 1902
Methylcyclohexane	ND	2500	2400		50	96	7.0	70-130	20	06/10/2014 1902
Methylene chloride	ND	2500	2200		50	88	0.72	69-129	20	06/10/2014 1902
Styrene	ND	2500	2500		50	100	0.44	70-130	20	06/10/2014 1902
1,1,2,2-Tetrachloroethane	ND	2500	2400		50	97	2.9	60-155	20	06/10/2014 1902
Tetrachloroethene	4500	2500	6900		50	98	1.4	70-130	20	06/10/2014 1902
Toluene	ND	2500	2600		50	104	0.48	70-130	20	06/10/2014 1902
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2500	2800		50	112	5.8	70-130	20	06/10/2014 1902
1,2,4-Trichlorobenzene	ND	2500	2500		50	101	8.6	70-130	20	06/10/2014 1902
1,1,1-Trichloroethane	ND	2500	2600		50	103	0.017	77-132	20	06/10/2014 1902
1,1,2-Trichloroethane	ND	2500	2400		50	96	0.15	77-132	20	06/10/2014 1902

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PF06066-011MD
Batch: 48618
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	2500	2600		50	102	1.9	73-124	20	06/10/2014 1902
Trichlorofluoromethane	ND	2500	2900		50	118	0.075	60-140	20	06/10/2014 1902
Vinyl chloride	ND	2500	2500		50	101	2.2	29-159	20	06/10/2014 1902
Xylenes (total)	ND	5000	5000		50	101	0.14	70-130	20	06/10/2014 1902

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48624-001
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/10/2014 1038
Benzene	ND		1	5.0	0.20	ug/L	06/10/2014 1038
Bromodichloromethane	ND		1	5.0	1.7	ug/L	06/10/2014 1038
Bromoform	ND		1	5.0	0.40	ug/L	06/10/2014 1038
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	06/10/2014 1038
2-Butanone (MEK)	ND		1	10	1.8	ug/L	06/10/2014 1038
Carbon disulfide	ND		1	5.0	0.30	ug/L	06/10/2014 1038
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	06/10/2014 1038
Chlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
Chloroethane	ND		1	5.0	0.50	ug/L	06/10/2014 1038
Chloroform	ND		1	5.0	1.7	ug/L	06/10/2014 1038
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	06/10/2014 1038
Cyclohexane	ND		1	5.0	0.98	ug/L	06/10/2014 1038
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	06/10/2014 1038
Dibromochloromethane	ND		1	5.0	1.7	ug/L	06/10/2014 1038
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	06/10/2014 1038
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	06/10/2014 1038
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1038
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1038
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	06/10/2014 1038
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	06/10/2014 1038
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	06/10/2014 1038
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	06/10/2014 1038
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/10/2014 1038
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/10/2014 1038
Ethylbenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
2-Hexanone	ND		1	10	1.0	ug/L	06/10/2014 1038
Isopropylbenzene	ND		1	5.0	1.0	ug/L	06/10/2014 1038
Methyl acetate	ND		1	5.0	0.72	ug/L	06/10/2014 1038
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	06/10/2014 1038
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	06/10/2014 1038
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/10/2014 1038
Methylene chloride	ND		1	5.0	1.7	ug/L	06/10/2014 1038
Styrene	ND		1	5.0	0.10	ug/L	06/10/2014 1038
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	06/10/2014 1038
Tetrachloroethene	ND		1	5.0	0.40	ug/L	06/10/2014 1038
Toluene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1038
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 1038
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 1038
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	06/10/2014 1038

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48624-001
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	06/10/2014 1038
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	06/10/2014 1038
Vinyl chloride	ND		1	2.0	0.10	ug/L	06/10/2014 1038
Xylenes (total)	ND		1	5.0	1.7	ug/L	06/10/2014 1038

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48624-002
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	130		1	128	60-140	06/10/2014 0904
Benzene	50	53		1	105	70-130	06/10/2014 0904
Bromodichloromethane	50	53		1	106	70-130	06/10/2014 0904
Bromoform	50	52		1	104	70-130	06/10/2014 0904
Bromomethane (Methyl bromide)	50	58		1	116	60-140	06/10/2014 0904
2-Butanone (MEK)	100	110		1	109	60-140	06/10/2014 0904
Carbon disulfide	50	52		1	104	60-140	06/10/2014 0904
Carbon tetrachloride	50	53		1	105	70-130	06/10/2014 0904
Chlorobenzene	50	53		1	106	70-130	06/10/2014 0904
Chloroethane	50	51		1	102	42-163	06/10/2014 0904
Chloroform	50	54		1	107	70-130	06/10/2014 0904
Chloromethane (Methyl chloride)	50	51		1	103	60-140	06/10/2014 0904
Cyclohexane	50	49		1	99	70-130	06/10/2014 0904
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	06/10/2014 0904
Dibromochloromethane	50	54		1	108	70-130	06/10/2014 0904
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	06/10/2014 0904
1,4-Dichlorobenzene	50	51		1	101	70-130	06/10/2014 0904
1,3-Dichlorobenzene	50	52		1	103	70-130	06/10/2014 0904
1,2-Dichlorobenzene	50	50		1	100	70-130	06/10/2014 0904
Dichlorodifluoromethane	50	55		1	110	60-140	06/10/2014 0904
1,2-Dichloroethane	50	54		1	108	70-130	06/10/2014 0904
1,1-Dichloroethane	50	53		1	105	70-130	06/10/2014 0904
trans-1,2-Dichloroethene	50	51		1	103	70-130	06/10/2014 0904
cis-1,2-Dichloroethene	50	52		1	104	70-130	06/10/2014 0904
1,1-Dichloroethene	50	51		1	103	70-130	06/10/2014 0904
1,2-Dichloropropane	50	52		1	104	70-130	06/10/2014 0904
trans-1,3-Dichloropropene	50	56		1	111	70-130	06/10/2014 0904
cis-1,3-Dichloropropene	50	54		1	107	70-130	06/10/2014 0904
Ethylbenzene	50	52		1	103	70-130	06/10/2014 0904
2-Hexanone	100	100		1	100	60-140	06/10/2014 0904
Isopropylbenzene	50	52		1	104	70-130	06/10/2014 0904
Methyl acetate	50	54		1	108	70-130	06/10/2014 0904
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	06/10/2014 0904
4-Methyl-2-pentanone	100	99		1	99	60-140	06/10/2014 0904
Methylcyclohexane	50	49		1	98	70-130	06/10/2014 0904
Methylene chloride	50	56		1	112	70-130	06/10/2014 0904
Styrene	50	53		1	105	70-130	06/10/2014 0904
1,1,2,2-Tetrachloroethane	50	51		1	103	70-130	06/10/2014 0904
Tetrachloroethene	50	53		1	105	70-130	06/10/2014 0904
Toluene	50	51		1	102	70-130	06/10/2014 0904
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	58		1	116	70-130	06/10/2014 0904
1,2,4-Trichlorobenzene	50	54		1	108	70-130	06/10/2014 0904
1,1,2-Trichloroethane	50	53		1	106	70-130	06/10/2014 0904
1,1,1-Trichloroethane	50	51		1	102	70-130	06/10/2014 0904

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48624-002
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	101	70-130	06/10/2014 0904
Trichlorofluoromethane	50	55		1	110	70-130	06/10/2014 0904
Vinyl chloride	50	49		1	99	70-130	06/10/2014 0904
Xylenes (total)	100	100		1	104	70-130	06/10/2014 0904

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		85	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48624-003
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	113	12	60-140	20	06/10/2014 0927
Benzene	50	50		1	99	5.8	70-130	20	06/10/2014 0927
Bromodichloromethane	50	52		1	103	2.6	70-130	20	06/10/2014 0927
Bromoform	50	52		1	105	0.49	70-130	20	06/10/2014 0927
Bromomethane (Methyl bromide)	50	54		1	108	7.3	60-140	20	06/10/2014 0927
2-Butanone (MEK)	100	110		1	107	1.6	60-140	20	06/10/2014 0927
Carbon disulfide	50	49		1	99	4.9	60-140	20	06/10/2014 0927
Carbon tetrachloride	50	50		1	101	4.3	70-130	20	06/10/2014 0927
Chlorobenzene	50	52		1	104	2.3	70-130	20	06/10/2014 0927
Chloroethane	50	50		1	100	2.0	42-163	20	06/10/2014 0927
Chloroform	50	50		1	101	6.2	70-130	20	06/10/2014 0927
Chloromethane (Methyl chloride)	50	50		1	100	2.1	60-140	20	06/10/2014 0927
Cyclohexane	50	50		1	101	2.1	70-130	20	06/10/2014 0927
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	99	1.5	70-130	20	06/10/2014 0927
Dibromochloromethane	50	54		1	108	0.20	70-130	20	06/10/2014 0927
1,2-Dibromoethane (EDB)	50	52		1	103	1.1	70-130	20	06/10/2014 0927
1,4-Dichlorobenzene	50	50		1	100	1.0	70-130	20	06/10/2014 0927
1,3-Dichlorobenzene	50	51		1	102	1.5	70-130	20	06/10/2014 0927
1,2-Dichlorobenzene	50	50		1	101	1.1	70-130	20	06/10/2014 0927
Dichlorodifluoromethane	50	53		1	106	4.1	60-140	20	06/10/2014 0927
1,2-Dichloroethane	50	54		1	107	0.67	70-130	20	06/10/2014 0927
1,1-Dichloroethane	50	50		1	101	4.2	70-130	20	06/10/2014 0927
trans-1,2-Dichloroethene	50	49		1	98	4.5	70-130	20	06/10/2014 0927
cis-1,2-Dichloroethene	50	50		1	100	4.3	70-130	20	06/10/2014 0927
1,1-Dichloroethene	50	49		1	99	4.1	70-130	20	06/10/2014 0927
1,2-Dichloropropane	50	51		1	102	1.5	70-130	20	06/10/2014 0927
trans-1,3-Dichloropropene	50	56		1	112	0.85	70-130	20	06/10/2014 0927
cis-1,3-Dichloropropene	50	53		1	107	0.75	70-130	20	06/10/2014 0927
Ethylbenzene	50	51		1	102	1.5	70-130	20	06/10/2014 0927
2-Hexanone	100	100		1	103	3.1	60-140	20	06/10/2014 0927
Isopropylbenzene	50	52		1	103	0.73	70-130	20	06/10/2014 0927
Methyl acetate	50	51		1	102	6.3	70-130	20	06/10/2014 0927
Methyl tertiary butyl ether (MTBE)	50	50		1	100	6.6	70-130	20	06/10/2014 0927
4-Methyl-2-pentanone	100	98		1	98	1.3	60-140	20	06/10/2014 0927
Methylcyclohexane	50	48		1	95	3.0	70-130	20	06/10/2014 0927
Methylene chloride	50	54		1	107	4.2	70-130	20	06/10/2014 0927
Styrene	50	51		1	103	2.3	70-130	20	06/10/2014 0927
1,1,2,2-Tetrachloroethane	50	51		1	102	0.68	70-130	20	06/10/2014 0927
Tetrachloroethene	50	52		1	103	2.2	70-130	20	06/10/2014 0927
Toluene	50	51		1	102	0.70	70-130	20	06/10/2014 0927
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	111	4.8	70-130	20	06/10/2014 0927
1,2,4-Trichlorobenzene	50	53		1	106	1.8	70-130	20	06/10/2014 0927
1,1,2-Trichloroethane	50	52		1	103	2.8	70-130	20	06/10/2014 0927
1,1,1-Trichloroethane	50	50		1	100	1.3	70-130	20	06/10/2014 0927

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48624-003
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	99	2.4	70-130	20	06/10/2014 0927
Trichlorofluoromethane	50	53		1	106	4.1	70-130	20	06/10/2014 0927
Vinyl chloride	50	49		1	97	1.4	70-130	20	06/10/2014 0927
Xylenes (total)	100	100		1	102	1.5	70-130	20	06/10/2014 0927

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		88	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PF06066-009MS
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	90		1	90	60-140	06/10/2014 1849
Benzene	ND	50	47		1	94	70-130	06/10/2014 1849
Bromodichloromethane	ND	50	47		1	93	71-143	06/10/2014 1849
Bromoform	ND	50	47		1	93	65-131	06/10/2014 1849
Bromomethane (Methyl bromide)	ND	50	57		1	113	36-168	06/10/2014 1849
2-Butanone (MEK)	ND	100	88		1	88	60-140	06/10/2014 1849
Carbon disulfide	ND	50	49		1	98	60-140	06/10/2014 1849
Carbon tetrachloride	ND	50	49		1	98	37-166	06/10/2014 1849
Chlorobenzene	ND	50	49		1	98	78-129	06/10/2014 1849
Chloroethane	ND	50	51		1	102	60-140	06/10/2014 1849
Chloroform	ND	50	47		1	94	63-123	06/10/2014 1849
Chloromethane (Methyl chloride)	ND	50	50		1	100	20-158	06/10/2014 1849
Cyclohexane	ND	50	49		1	98	70-130	06/10/2014 1849
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	42		1	84	70-130	06/10/2014 1849
Dibromochloromethane	ND	50	49		1	98	74-134	06/10/2014 1849
1,2-Dibromoethane (EDB)	ND	50	47		1	94	70-130	06/10/2014 1849
1,2-Dichlorobenzene	ND	50	46		1	92	70-130	06/10/2014 1849
1,3-Dichlorobenzene	ND	50	48		1	95	70-130	06/10/2014 1849
1,4-Dichlorobenzene	ND	50	46		1	91	70-130	06/10/2014 1849
Dichlorodifluoromethane	ND	50	52		1	104	10-158	06/10/2014 1849
1,1-Dichloroethane	ND	50	48		1	96	69-132	06/10/2014 1849
1,2-Dichloroethane	ND	50	46		1	91	70-130	06/10/2014 1849
1,1-Dichloroethene	ND	50	51		1	102	50-132	06/10/2014 1849
cis-1,2-Dichloroethene	ND	50	47		1	94	70-130	06/10/2014 1849
trans-1,2-Dichloroethene	ND	50	48		1	96	70-130	06/10/2014 1849
1,2-Dichloropropane	ND	50	48		1	95	71-126	06/10/2014 1849
cis-1,3-Dichloropropene	ND	50	47		1	93	69-130	06/10/2014 1849
trans-1,3-Dichloropropene	ND	50	49		1	98	73-131	06/10/2014 1849
Ethylbenzene	ND	50	49		1	97	70-130	06/10/2014 1849
2-Hexanone	ND	100	91		1	91	60-140	06/10/2014 1849
Isopropylbenzene	ND	50	49		1	98	70-130	06/10/2014 1849
Methyl acetate	ND	50	43		1	85	15-128	06/10/2014 1849
Methyl tertiary butyl ether (MTBE)	ND	50	45		1	91	70-130	06/10/2014 1849
4-Methyl-2-pentanone	ND	100	86		1	86	60-140	06/10/2014 1849
Methylcyclohexane	ND	50	44		1	89	70-130	06/10/2014 1849
Methylene chloride	ND	50	50		1	101	69-129	06/10/2014 1849
Styrene	ND	50	50		1	99	70-130	06/10/2014 1849
1,1,2,2-Tetrachloroethane	ND	50	47		1	94	60-155	06/10/2014 1849
Tetrachloroethene	1.4	50	51		1	99	70-130	06/10/2014 1849
Toluene	ND	50	47		1	94	70-130	06/10/2014 1849
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	56		1	113	70-130	06/10/2014 1849
1,2,4-Trichlorobenzene	ND	50	44		1	89	70-130	06/10/2014 1849
1,1,1-Trichloroethane	ND	50	47		1	94	77-132	06/10/2014 1849
1,1,2-Trichloroethane	ND	50	47		1	94	77-132	06/10/2014 1849

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PF06066-009MS
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	ND	50	47		1	93	73-124	06/10/2014 1849
Trichlorofluoromethane	ND	50	54		1	109	60-140	06/10/2014 1849
Vinyl chloride	ND	50	50		1	99	29-159	06/10/2014 1849
Xylenes (total)	ND	100	96		1	96	70-130	06/10/2014 1849

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		87	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PF06066-009MD
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	100	86		1	86	4.5	60-140	20	06/10/2014 1912
Benzene	ND	50	46		1	92	2.0	70-130	20	06/10/2014 1912
Bromodichloromethane	ND	50	46		1	92	1.1	71-143	20	06/10/2014 1912
Bromoform	ND	50	47		1	94	0.57	65-131	20	06/10/2014 1912
Bromomethane (Methyl bromide)	ND	50	53		1	107	5.9	36-168	20	06/10/2014 1912
2-Butanone (MEK)	ND	100	78		1	78	11	60-140	20	06/10/2014 1912
Carbon disulfide	ND	50	50		1	100	1.8	60-140	20	06/10/2014 1912
Carbon tetrachloride	ND	50	51		1	102	3.9	37-166	20	06/10/2014 1912
Chlorobenzene	ND	50	49		1	97	1.3	78-129	20	06/10/2014 1912
Chloroethane	ND	50	52		1	104	2.0	60-140	20	06/10/2014 1912
Chloroform	ND	50	44		1	89	6.0	63-123	20	06/10/2014 1912
Chloromethane (Methyl chloride)	ND	50	51		1	102	2.2	20-158	20	06/10/2014 1912
Cyclohexane	ND	50	53		1	106	7.2	70-130	20	06/10/2014 1912
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	46		1	91	7.6	70-130	20	06/10/2014 1912
Dibromochloromethane	ND	50	48		1	97	1.3	74-134	20	06/10/2014 1912
1,2-Dibromoethane (EDB)	ND	50	47		1	93	0.40	70-130	20	06/10/2014 1912
1,2-Dichlorobenzene	ND	50	46		1	93	1.3	70-130	20	06/10/2014 1912
1,3-Dichlorobenzene	ND	50	46		1	93	2.7	70-130	20	06/10/2014 1912
1,4-Dichlorobenzene	ND	50	47		1	93	1.8	70-130	20	06/10/2014 1912
Dichlorodifluoromethane	ND	50	54		1	108	3.9	10-158	20	06/10/2014 1912
1,1-Dichloroethane	ND	50	46		1	92	3.6	69-132	20	06/10/2014 1912
1,2-Dichloroethane	ND	50	41		1	82	10	70-130	20	06/10/2014 1912
1,1-Dichloroethene	ND	50	51		1	101	0.19	50-132	20	06/10/2014 1912
cis-1,2-Dichloroethene	ND	50	44		1	89	5.5	70-130	20	06/10/2014 1912
trans-1,2-Dichloroethene	ND	50	47		1	94	2.0	70-130	20	06/10/2014 1912
1,2-Dichloropropane	ND	50	44		1	89	7.1	71-126	20	06/10/2014 1912
cis-1,3-Dichloropropene	ND	50	47		1	94	0.41	69-130	20	06/10/2014 1912
trans-1,3-Dichloropropene	ND	50	48		1	96	2.4	73-131	20	06/10/2014 1912
Ethylbenzene	ND	50	48		1	96	0.80	70-130	20	06/10/2014 1912
2-Hexanone	ND	100	92		1	92	1.9	60-140	20	06/10/2014 1912
Isopropylbenzene	ND	50	48		1	97	1.3	70-130	20	06/10/2014 1912
Methyl acetate	ND	50	38		1	76	12	15-128	20	06/10/2014 1912
Methyl tertiary butyl ether (MTBE)	ND	50	43		1	86	5.1	70-130	20	06/10/2014 1912
4-Methyl-2-pentanone	ND	100	90		1	90	4.4	60-140	20	06/10/2014 1912
Methylcyclohexane	ND	50	46		1	92	4.3	70-130	20	06/10/2014 1912
Methylene chloride	ND	50	48		1	96	4.6	69-129	20	06/10/2014 1912
Styrene	ND	50	48		1	96	3.3	70-130	20	06/10/2014 1912
1,1,2,2-Tetrachloroethane	ND	50	47		1	95	1.2	60-155	20	06/10/2014 1912
Tetrachloroethene	1.4	50	49		1	96	2.9	70-130	20	06/10/2014 1912
Toluene	ND	50	48		1	96	1.4	70-130	20	06/10/2014 1912
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	58		1	116	2.7	70-130	20	06/10/2014 1912
1,2,4-Trichlorobenzene	ND	50	48		1	96	8.1	70-130	20	06/10/2014 1912
1,1,1-Trichloroethane	ND	50	49		1	99	4.8	77-132	20	06/10/2014 1912
1,1,2-Trichloroethane	ND	50	47		1	94	0.80	77-132	20	06/10/2014 1912

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: PF06066-009MD
Batch: 48624
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	ND	50	46		1	92	1.6	73-124	20	06/10/2014 1912
Trichlorofluoromethane	ND	50	56		1	112	3.1	60-140	20	06/10/2014 1912
Vinyl chloride	ND	50	50		1	100	0.98	29-159	20	06/10/2014 1912
Xylenes (total)	ND	100	95		1	95	0.95	70-130	20	06/10/2014 1912

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		81	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48678-001
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/10/2014 2202
Benzene	ND		1	5.0	0.20	ug/L	06/10/2014 2202
Bromodichloromethane	ND		1	5.0	1.7	ug/L	06/10/2014 2202
Bromoform	ND		1	5.0	0.40	ug/L	06/10/2014 2202
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	06/10/2014 2202
2-Butanone (MEK)	ND		1	10	1.8	ug/L	06/10/2014 2202
Carbon disulfide	ND		1	5.0	0.30	ug/L	06/10/2014 2202
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	06/10/2014 2202
Chlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
Chloroethane	ND		1	5.0	0.50	ug/L	06/10/2014 2202
Chloroform	ND		1	5.0	1.7	ug/L	06/10/2014 2202
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	06/10/2014 2202
Cyclohexane	ND		1	5.0	0.98	ug/L	06/10/2014 2202
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	06/10/2014 2202
Dibromochloromethane	ND		1	5.0	1.7	ug/L	06/10/2014 2202
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	06/10/2014 2202
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	06/10/2014 2202
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 2202
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 2202
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	06/10/2014 2202
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	06/10/2014 2202
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	06/10/2014 2202
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	06/10/2014 2202
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/10/2014 2202
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/10/2014 2202
Ethylbenzene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
2-Hexanone	ND		1	10	1.0	ug/L	06/10/2014 2202
Isopropylbenzene	ND		1	5.0	1.0	ug/L	06/10/2014 2202
Methyl acetate	ND		1	5.0	0.72	ug/L	06/10/2014 2202
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	06/10/2014 2202
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	06/10/2014 2202
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/10/2014 2202
Methylene chloride	ND		1	5.0	1.7	ug/L	06/10/2014 2202
Styrene	ND		1	5.0	0.10	ug/L	06/10/2014 2202
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	06/10/2014 2202
Tetrachloroethene	ND		1	5.0	0.40	ug/L	06/10/2014 2202
Toluene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	06/10/2014 2202
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	06/10/2014 2202
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	06/10/2014 2202
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	06/10/2014 2202

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48678-001
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	06/10/2014 2202
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	06/10/2014 2202
Vinyl chloride	ND		1	2.0	0.10	ug/L	06/10/2014 2202
Xylenes (total)	ND		1	5.0	1.7	ug/L	06/10/2014 2202

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48678-002
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	60-140	06/10/2014 2030
Benzene	50	49		1	98	70-130	06/10/2014 2030
Bromodichloromethane	50	49		1	99	70-130	06/10/2014 2030
Bromoform	50	51		1	101	70-130	06/10/2014 2030
Bromomethane (Methyl bromide)	50	40		1	79	60-140	06/10/2014 2030
2-Butanone (MEK)	100	100		1	102	60-140	06/10/2014 2030
Carbon disulfide	50	45		1	90	60-140	06/10/2014 2030
Carbon tetrachloride	50	50		1	99	70-130	06/10/2014 2030
Chlorobenzene	50	48		1	96	70-130	06/10/2014 2030
Chloroethane	50	41		1	82	42-163	06/10/2014 2030
Chloroform	50	48		1	97	70-130	06/10/2014 2030
Chloromethane (Methyl chloride)	50	50		1	99	60-140	06/10/2014 2030
Cyclohexane	50	46		1	91	70-130	06/10/2014 2030
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	103	70-130	06/10/2014 2030
Dibromochloromethane	50	51		1	102	70-130	06/10/2014 2030
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	06/10/2014 2030
1,2-Dichlorobenzene	50	49		1	98	70-130	06/10/2014 2030
1,4-Dichlorobenzene	50	49		1	99	70-130	06/10/2014 2030
1,3-Dichlorobenzene	50	50		1	100	70-130	06/10/2014 2030
Dichlorodifluoromethane	50	51		1	102	60-140	06/10/2014 2030
1,2-Dichloroethane	50	50		1	99	70-130	06/10/2014 2030
1,1-Dichloroethane	50	47		1	95	70-130	06/10/2014 2030
cis-1,2-Dichloroethene	50	49		1	97	70-130	06/10/2014 2030
1,1-Dichloroethene	50	48		1	96	70-130	06/10/2014 2030
trans-1,2-Dichloroethene	50	50		1	99	70-130	06/10/2014 2030
1,2-Dichloropropane	50	48		1	96	70-130	06/10/2014 2030
cis-1,3-Dichloropropene	50	51		1	103	70-130	06/10/2014 2030
trans-1,3-Dichloropropene	50	52		1	103	70-130	06/10/2014 2030
Ethylbenzene	50	49		1	98	70-130	06/10/2014 2030
2-Hexanone	100	99		1	99	60-140	06/10/2014 2030
Isopropylbenzene	50	51		1	102	70-130	06/10/2014 2030
Methyl acetate	50	46		1	92	70-130	06/10/2014 2030
Methyl tertiary butyl ether (MTBE)	50	49		1	97	70-130	06/10/2014 2030
4-Methyl-2-pentanone	100	96		1	96	60-140	06/10/2014 2030
Methylcyclohexane	50	49		1	97	70-130	06/10/2014 2030
Methylene chloride	50	44		1	87	70-130	06/10/2014 2030
Styrene	50	49		1	98	70-130	06/10/2014 2030
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	06/10/2014 2030
Tetrachloroethene	50	47		1	94	70-130	06/10/2014 2030
Toluene	50	50		1	100	70-130	06/10/2014 2030
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	55		1	109	70-130	06/10/2014 2030
1,2,4-Trichlorobenzene	50	51		1	102	70-130	06/10/2014 2030
1,1,2-Trichloroethane	50	49		1	98	70-130	06/10/2014 2030
1,1,1-Trichloroethane	50	47		1	93	70-130	06/10/2014 2030

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48678-002
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	97	70-130	06/10/2014 2030
Trichlorofluoromethane	50	53		1	106	70-130	06/10/2014 2030
Vinyl chloride	50	45		1	91	70-130	06/10/2014 2030
Xylenes (total)	100	98		1	98	70-130	06/10/2014 2030

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48678-003
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	98		1	98	1.9	60-140	20	06/10/2014 2053
Benzene	50	49		1	98	0.78	70-130	20	06/10/2014 2053
Bromodichloromethane	50	50		1	100	2.0	70-130	20	06/10/2014 2053
Bromoform	50	51		1	102	0.95	70-130	20	06/10/2014 2053
Bromomethane (Methyl bromide)	50	41		1	82	3.1	60-140	20	06/10/2014 2053
2-Butanone (MEK)	100	110		1	109	6.7	60-140	20	06/10/2014 2053
Carbon disulfide	50	46		1	92	2.1	60-140	20	06/10/2014 2053
Carbon tetrachloride	50	50		1	101	1.2	70-130	20	06/10/2014 2053
Chlorobenzene	50	48		1	96	0.75	70-130	20	06/10/2014 2053
Chloroethane	50	42		1	85	2.8	42-163	20	06/10/2014 2053
Chloroform	50	49		1	99	1.9	70-130	20	06/10/2014 2053
Chloromethane (Methyl chloride)	50	49		1	98	1.5	60-140	20	06/10/2014 2053
Cyclohexane	50	45		1	90	1.3	70-130	20	06/10/2014 2053
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	104	1.6	70-130	20	06/10/2014 2053
Dibromochloromethane	50	50		1	101	0.68	70-130	20	06/10/2014 2053
1,2-Dibromoethane (EDB)	50	51		1	101	1.2	70-130	20	06/10/2014 2053
1,2-Dichlorobenzene	50	49		1	97	0.69	70-130	20	06/10/2014 2053
1,4-Dichlorobenzene	50	49		1	98	0.23	70-130	20	06/10/2014 2053
1,3-Dichlorobenzene	50	50		1	99	0.28	70-130	20	06/10/2014 2053
Dichlorodifluoromethane	50	51		1	102	0.28	60-140	20	06/10/2014 2053
1,2-Dichloroethane	50	50		1	100	0.58	70-130	20	06/10/2014 2053
1,1-Dichloroethane	50	48		1	95	0.97	70-130	20	06/10/2014 2053
cis-1,2-Dichloroethene	50	49		1	98	1.3	70-130	20	06/10/2014 2053
1,1-Dichloroethene	50	49		1	97	1.7	70-130	20	06/10/2014 2053
trans-1,2-Dichloroethene	50	50		1	99	0.065	70-130	20	06/10/2014 2053
1,2-Dichloropropane	50	48		1	97	1.2	70-130	20	06/10/2014 2053
cis-1,3-Dichloropropene	50	52		1	103	0.79	70-130	20	06/10/2014 2053
trans-1,3-Dichloropropene	50	52		1	103	0.064	70-130	20	06/10/2014 2053
Ethylbenzene	50	49		1	98	0.11	70-130	20	06/10/2014 2053
2-Hexanone	100	100		1	100	1.7	60-140	20	06/10/2014 2053
Isopropylbenzene	50	51		1	102	0.066	70-130	20	06/10/2014 2053
Methyl acetate	50	47		1	93	1.3	70-130	20	06/10/2014 2053
Methyl tertiary butyl ether (MTBE)	50	50		1	101	3.6	70-130	20	06/10/2014 2053
4-Methyl-2-pentanone	100	98		1	98	1.6	60-140	20	06/10/2014 2053
Methylcyclohexane	50	49		1	98	0.32	70-130	20	06/10/2014 2053
Methylene chloride	50	45		1	89	2.1	70-130	20	06/10/2014 2053
Styrene	50	49		1	98	0.014	70-130	20	06/10/2014 2053
1,1,2,2-Tetrachloroethane	50	50		1	100	0.64	70-130	20	06/10/2014 2053
Tetrachloroethene	50	47		1	94	0.24	70-130	20	06/10/2014 2053
Toluene	50	51		1	101	1.1	70-130	20	06/10/2014 2053
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	111	1.9	70-130	20	06/10/2014 2053
1,2,4-Trichlorobenzene	50	49		1	97	5.2	70-130	20	06/10/2014 2053
1,1,2-Trichloroethane	50	49		1	97	0.65	70-130	20	06/10/2014 2053
1,1,1-Trichloroethane	50	48		1	95	2.1	70-130	20	06/10/2014 2053

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48678-003
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	98	0.76	70-130	20	06/10/2014 2053
Trichlorofluoromethane	50	54		1	109	2.3	70-130	20	06/10/2014 2053
Vinyl chloride	50	45		1	90	0.55	70-130	20	06/10/2014 2053
Xylenes (total)	100	97		1	97	0.82	70-130	20	06/10/2014 2053

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PF06066-019DU
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	ND	ND		1	0.00	20	06/11/2014 0611
Benzene	ND	ND		1	0.00	20	06/11/2014 0611
Bromodichloromethane	ND	ND		1	0.00	20	06/11/2014 0611
Bromoform	ND	ND		1	0.00	20	06/11/2014 0611
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	06/11/2014 0611
2-Butanone (MEK)	ND	ND		1	0.00	20	06/11/2014 0611
Carbon disulfide	ND	ND		1	0.00	20	06/11/2014 0611
Carbon tetrachloride	ND	ND		1	0.00	20	06/11/2014 0611
Chlorobenzene	ND	ND		1	0.00	20	06/11/2014 0611
Chloroethane	ND	ND		1	0.00	20	06/11/2014 0611
Chloroform	1.8	1.8	J	1	3.5	20	06/11/2014 0611
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	06/11/2014 0611
Cyclohexane	ND	ND		1	0.00	20	06/11/2014 0611
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	06/11/2014 0611
Dibromochloromethane	ND	ND		1	0.00	20	06/11/2014 0611
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	06/11/2014 0611
1,2-Dichlorobenzene	ND	ND		1	0.00	20	06/11/2014 0611
1,3-Dichlorobenzene	ND	ND		1	0.00	20	06/11/2014 0611
1,4-Dichlorobenzene	ND	ND		1	0.00	20	06/11/2014 0611
Dichlorodifluoromethane	ND	ND		1	0.00	20	06/11/2014 0611
1,1-Dichloroethane	ND	ND		1	0.00	20	06/11/2014 0611
1,2-Dichloroethane	ND	ND		1	0.00	20	06/11/2014 0611
1,1-Dichloroethene	ND	ND		1	0.00	20	06/11/2014 0611
cis-1,2-Dichloroethene	0.26	0.24	J	1	8.3	20	06/11/2014 0611
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	06/11/2014 0611
1,2-Dichloropropane	ND	0.32	J	1	17	20	06/11/2014 0611
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	06/11/2014 0611
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	06/11/2014 0611
Ethylbenzene	ND	ND		1	0.00	20	06/11/2014 0611
2-Hexanone	ND	ND		1	0.00	20	06/11/2014 0611
Isopropylbenzene	ND	ND		1	0.00	20	06/11/2014 0611
Methyl acetate	ND	ND		1	0.00	20	06/11/2014 0611
Methyl tertiary butyl ether (MTBE)	ND	ND		1	0.00	20	06/11/2014 0611
4-Methyl-2-pentanone	ND	ND		1	0.00	20	06/11/2014 0611
Methylcyclohexane	ND	ND		1	0.00	20	06/11/2014 0611
Methylene chloride	ND	ND		1	0.00	20	06/11/2014 0611
Styrene	ND	ND		1	0.00	20	06/11/2014 0611
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	06/11/2014 0611
Tetrachloroethene	ND	ND		1	0.00	20	06/11/2014 0611
Toluene	ND	ND		1	0.00	20	06/11/2014 0611
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND		1	0.00	20	06/11/2014 0611
1,2,4-Trichlorobenzene	ND	ND		1	0.00	20	06/11/2014 0611
1,1,1-Trichloroethane	ND	ND		1	0.00	20	06/11/2014 0611
1,1,2-Trichloroethane	ND	ND		1	0.00	20	06/11/2014 0611

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: PF06066-019DU
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Trichloroethene	ND	ND		1	0.00	20	06/11/2014 0611
Trichlorofluoromethane	ND	ND		1	0.00	20	06/11/2014 0611
Vinyl chloride	ND	ND		1	0.00	20	06/11/2014 0611
Xylenes (total)	ND	ND		1	0.00	20	06/11/2014 0611

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PF06066-023MS
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	100	100		1	101	60-140	06/11/2014 0634
Benzene	ND	50	52		1	104	70-130	06/11/2014 0634
Bromodichloromethane	3.1	50	56		1	105	71-143	06/11/2014 0634
Bromoform	ND	50	51		1	102	65-131	06/11/2014 0634
Bromomethane (Methyl bromide)	ND	50	47		1	95	36-168	06/11/2014 0634
2-Butanone (MEK)	ND	100	99		1	99	60-140	06/11/2014 0634
Carbon disulfide	ND	50	54		1	108	60-140	06/11/2014 0634
Carbon tetrachloride	ND	50	55		1	110	37-166	06/11/2014 0634
Chlorobenzene	ND	50	51		1	102	78-129	06/11/2014 0634
Chloroethane	ND	50	52		1	104	60-140	06/11/2014 0634
Chloroform	8.5	50	61		1	104	63-123	06/11/2014 0634
Chloromethane (Methyl chloride)	ND	50	56		1	112	20-158	06/11/2014 0634
Cyclohexane	ND	50	55		1	109	70-130	06/11/2014 0634
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	48		1	96	70-130	06/11/2014 0634
Dibromochloromethane	ND	50	53		1	106	74-134	06/11/2014 0634
1,2-Dibromoethane (EDB)	ND	50	50		1	101	70-130	06/11/2014 0634
1,2-Dichlorobenzene	ND	50	49		1	98	70-130	06/11/2014 0634
1,3-Dichlorobenzene	ND	50	51		1	102	70-130	06/11/2014 0634
1,4-Dichlorobenzene	ND	50	50		1	100	70-130	06/11/2014 0634
Dichlorodifluoromethane	ND	50	62		1	124	10-158	06/11/2014 0634
1,1-Dichloroethane	ND	50	52		1	104	69-132	06/11/2014 0634
1,2-Dichloroethane	ND	50	52		1	105	70-130	06/11/2014 0634
1,1-Dichloroethene	ND	50	55		1	111	50-132	06/11/2014 0634
cis-1,2-Dichloroethene	ND	50	52		1	104	70-130	06/11/2014 0634
trans-1,2-Dichloroethene	ND	50	54		1	109	70-130	06/11/2014 0634
1,2-Dichloropropane	ND	50	52		1	103	71-126	06/11/2014 0634
cis-1,3-Dichloropropene	ND	50	52		1	103	69-130	06/11/2014 0634
trans-1,3-Dichloropropene	ND	50	51		1	102	73-131	06/11/2014 0634
Ethylbenzene	ND	50	53		1	105	70-130	06/11/2014 0634
2-Hexanone	ND	100	100		1	102	60-140	06/11/2014 0634
Isopropylbenzene	ND	50	55		1	109	70-130	06/11/2014 0634
Methyl acetate	ND	50	46		1	91	15-128	06/11/2014 0634
Methyl tertiary butyl ether (MTBE)	ND	50	50		1	100	70-130	06/11/2014 0634
4-Methyl-2-pentanone	ND	100	100		1	101	60-140	06/11/2014 0634
Methylcyclohexane	ND	50	55		1	110	70-130	06/11/2014 0634
Methylene chloride	ND	50	47		1	94	69-129	06/11/2014 0634
Styrene	ND	50	51		1	102	70-130	06/11/2014 0634
1,1,2,2-Tetrachloroethane	ND	50	49		1	98	60-155	06/11/2014 0634
Tetrachloroethene	73	50	130		1	105	70-130	06/11/2014 0634
Toluene	ND	50	54		1	108	70-130	06/11/2014 0634
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	65		1	130	70-130	06/11/2014 0634
1,2,4-Trichlorobenzene	ND	50	50		1	99	70-130	06/11/2014 0634
1,1,1-Trichloroethane	ND	50	55		1	110	77-132	06/11/2014 0634
1,1,2-Trichloroethane	ND	50	50		1	99	77-132	06/11/2014 0634

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: PF06066-023MS
Batch: 48678
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	0.71	50	55		1	108	73-124	06/11/2014 0634
Trichlorofluoromethane	ND	50	64		1	127	60-140	06/11/2014 0634
Vinyl chloride	ND	50	54		1	107	29-159	06/11/2014 0634
Xylenes (total)	ND	100	100		1	104	70-130	06/11/2014 0634

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		95	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48726-001
Batch: 48726
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/11/2014 1026
Benzene	ND		1	5.0	0.20	ug/L	06/11/2014 1026
Bromodichloromethane	ND		1	5.0	1.7	ug/L	06/11/2014 1026
Bromoform	ND		1	5.0	0.40	ug/L	06/11/2014 1026
Bromomethane (Methyl bromide)	ND		1	5.0	0.80	ug/L	06/11/2014 1026
2-Butanone (MEK)	ND		1	10	1.8	ug/L	06/11/2014 1026
Carbon disulfide	ND		1	5.0	0.30	ug/L	06/11/2014 1026
Carbon tetrachloride	ND		1	5.0	0.40	ug/L	06/11/2014 1026
Chlorobenzene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
Chloroethane	ND		1	5.0	0.50	ug/L	06/11/2014 1026
Chloroform	ND		1	5.0	1.7	ug/L	06/11/2014 1026
Chloromethane (Methyl chloride)	ND		1	5.0	0.30	ug/L	06/11/2014 1026
Cyclohexane	ND		1	5.0	0.98	ug/L	06/11/2014 1026
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.60	ug/L	06/11/2014 1026
Dibromochloromethane	ND		1	5.0	1.7	ug/L	06/11/2014 1026
1,2-Dibromoethane (EDB)	ND		1	5.0	0.30	ug/L	06/11/2014 1026
1,4-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
Dichlorodifluoromethane	ND		1	5.0	0.20	ug/L	06/11/2014 1026
1,2-Dichloroethane	ND		1	5.0	0.30	ug/L	06/11/2014 1026
1,1-Dichloroethane	ND		1	5.0	0.30	ug/L	06/11/2014 1026
1,1-Dichloroethene	ND		1	5.0	0.50	ug/L	06/11/2014 1026
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	06/11/2014 1026
trans-1,2-Dichloroethene	ND		1	5.0	0.40	ug/L	06/11/2014 1026
1,2-Dichloropropane	ND		1	5.0	0.30	ug/L	06/11/2014 1026
trans-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/11/2014 1026
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	06/11/2014 1026
Ethylbenzene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
2-Hexanone	ND		1	10	1.0	ug/L	06/11/2014 1026
Isopropylbenzene	ND		1	5.0	1.0	ug/L	06/11/2014 1026
Methyl acetate	ND		1	5.0	0.72	ug/L	06/11/2014 1026
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.40	ug/L	06/11/2014 1026
4-Methyl-2-pentanone	ND		1	10	0.80	ug/L	06/11/2014 1026
Methylcyclohexane	ND		1	5.0	0.95	ug/L	06/11/2014 1026
Methylene chloride	ND		1	5.0	1.7	ug/L	06/11/2014 1026
Styrene	ND		1	5.0	0.10	ug/L	06/11/2014 1026
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.40	ug/L	06/11/2014 1026
Tetrachloroethene	ND		1	5.0	0.40	ug/L	06/11/2014 1026
Toluene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	06/11/2014 1026
1,2,4-Trichlorobenzene	ND		1	5.0	1.7	ug/L	06/11/2014 1026
1,1,2-Trichloroethane	ND		1	5.0	0.30	ug/L	06/11/2014 1026
1,1,1-Trichloroethane	ND		1	5.0	0.20	ug/L	06/11/2014 1026

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ48726-001
Batch: 48726
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.30	ug/L	06/11/2014 1026
Trichlorofluoromethane	ND		1	5.0	0.30	ug/L	06/11/2014 1026
Vinyl chloride	ND		1	2.0	0.10	ug/L	06/11/2014 1026
Xylenes (total)	ND		1	5.0	1.7	ug/L	06/11/2014 1026

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48726-002
Batch: 48726
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	97		1	97	60-140	06/11/2014 0856
Benzene	50	49		1	98	70-130	06/11/2014 0856
Bromodichloromethane	50	50		1	99	70-130	06/11/2014 0856
Bromoform	50	49		1	98	70-130	06/11/2014 0856
Bromomethane (Methyl bromide)	50	41		1	82	60-140	06/11/2014 0856
2-Butanone (MEK)	100	99		1	99	60-140	06/11/2014 0856
Carbon disulfide	50	50		1	100	60-140	06/11/2014 0856
Carbon tetrachloride	50	52		1	103	70-130	06/11/2014 0856
Chlorobenzene	50	48		1	96	70-130	06/11/2014 0856
Chloroethane	50	45		1	90	42-163	06/11/2014 0856
Chloroform	50	49		1	98	70-130	06/11/2014 0856
Chloromethane (Methyl chloride)	50	49		1	98	60-140	06/11/2014 0856
Cyclohexane	50	49		1	98	70-130	06/11/2014 0856
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	70-130	06/11/2014 0856
Dibromochloromethane	50	50		1	100	70-130	06/11/2014 0856
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	06/11/2014 0856
1,4-Dichlorobenzene	50	48		1	96	70-130	06/11/2014 0856
1,3-Dichlorobenzene	50	49		1	98	70-130	06/11/2014 0856
1,2-Dichlorobenzene	50	48		1	96	70-130	06/11/2014 0856
Dichlorodifluoromethane	50	53		1	106	60-140	06/11/2014 0856
1,2-Dichloroethane	50	50		1	99	70-130	06/11/2014 0856
1,1-Dichloroethane	50	48		1	95	70-130	06/11/2014 0856
1,1-Dichloroethene	50	51		1	101	70-130	06/11/2014 0856
cis-1,2-Dichloroethene	50	49		1	98	70-130	06/11/2014 0856
trans-1,2-Dichloroethene	50	50		1	101	70-130	06/11/2014 0856
1,2-Dichloropropane	50	49		1	98	70-130	06/11/2014 0856
trans-1,3-Dichloropropene	50	51		1	101	70-130	06/11/2014 0856
cis-1,3-Dichloropropene	50	50		1	101	70-130	06/11/2014 0856
Ethylbenzene	50	49		1	99	70-130	06/11/2014 0856
2-Hexanone	100	96		1	96	60-140	06/11/2014 0856
Isopropylbenzene	50	51		1	101	70-130	06/11/2014 0856
Methyl acetate	50	42		1	85	70-130	06/11/2014 0856
Methyl tertiary butyl ether (MTBE)	50	49		1	98	70-130	06/11/2014 0856
4-Methyl-2-pentanone	100	94		1	94	60-140	06/11/2014 0856
Methylcyclohexane	50	51		1	101	70-130	06/11/2014 0856
Methylene chloride	50	45		1	90	70-130	06/11/2014 0856
Styrene	50	48		1	97	70-130	06/11/2014 0856
1,1,2,2-Tetrachloroethane	50	48		1	95	70-130	06/11/2014 0856
Tetrachloroethene	50	47		1	94	70-130	06/11/2014 0856
Toluene	50	50		1	101	70-130	06/11/2014 0856
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	58		1	116	70-130	06/11/2014 0856
1,2,4-Trichlorobenzene	50	50		1	99	70-130	06/11/2014 0856
1,1,2-Trichloroethane	50	47		1	95	70-130	06/11/2014 0856
1,1,1-Trichloroethane	50	49		1	98	70-130	06/11/2014 0856

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ48726-002
Batch: 48726
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	06/11/2014 0856
Trichlorofluoromethane	50	57		1	113	70-130	06/11/2014 0856
Vinyl chloride	50	47		1	94	70-130	06/11/2014 0856
Xylenes (total)	100	97		1	97	70-130	06/11/2014 0856

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48726-003
Batch: 48726
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	7.0	60-140	20	06/11/2014 0919
Benzene	50	49		1	99	1.1	70-130	20	06/11/2014 0919
Bromodichloromethane	50	49		1	99	0.16	70-130	20	06/11/2014 0919
Bromoform	50	49		1	99	0.93	70-130	20	06/11/2014 0919
Bromomethane (Methyl bromide)	50	44		1	88	6.7	60-140	20	06/11/2014 0919
2-Butanone (MEK)	100	98		1	98	1.4	60-140	20	06/11/2014 0919
Carbon disulfide	50	50		1	99	0.54	60-140	20	06/11/2014 0919
Carbon tetrachloride	50	53		1	106	2.6	70-130	20	06/11/2014 0919
Chlorobenzene	50	48		1	97	0.89	70-130	20	06/11/2014 0919
Chloroethane	50	46		1	92	2.2	42-163	20	06/11/2014 0919
Chloroform	50	49		1	99	0.39	70-130	20	06/11/2014 0919
Chloromethane (Methyl chloride)	50	49		1	97	0.19	60-140	20	06/11/2014 0919
Cyclohexane	50	49		1	97	0.94	70-130	20	06/11/2014 0919
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	1.6	70-130	20	06/11/2014 0919
Dibromochloromethane	50	50		1	100	0.0080	70-130	20	06/11/2014 0919
1,2-Dibromoethane (EDB)	50	50		1	99	1.3	70-130	20	06/11/2014 0919
1,4-Dichlorobenzene	50	49		1	98	2.5	70-130	20	06/11/2014 0919
1,3-Dichlorobenzene	50	50		1	99	1.5	70-130	20	06/11/2014 0919
1,2-Dichlorobenzene	50	49		1	98	2.6	70-130	20	06/11/2014 0919
Dichlorodifluoromethane	50	54		1	108	2.1	60-140	20	06/11/2014 0919
1,2-Dichloroethane	50	50		1	100	0.59	70-130	20	06/11/2014 0919
1,1-Dichloroethane	50	49		1	97	1.7	70-130	20	06/11/2014 0919
1,1-Dichloroethene	50	50		1	101	0.52	70-130	20	06/11/2014 0919
cis-1,2-Dichloroethene	50	50		1	100	1.7	70-130	20	06/11/2014 0919
trans-1,2-Dichloroethene	50	51		1	102	1.3	70-130	20	06/11/2014 0919
1,2-Dichloropropane	50	49		1	98	0.42	70-130	20	06/11/2014 0919
trans-1,3-Dichloropropene	50	52		1	104	2.3	70-130	20	06/11/2014 0919
cis-1,3-Dichloropropene	50	52		1	104	2.9	70-130	20	06/11/2014 0919
Ethylbenzene	50	50		1	100	1.5	70-130	20	06/11/2014 0919
2-Hexanone	100	96		1	96	0.061	60-140	20	06/11/2014 0919
Isopropylbenzene	50	52		1	104	2.4	70-130	20	06/11/2014 0919
Methyl acetate	50	43		1	86	1.6	70-130	20	06/11/2014 0919
Methyl tertiary butyl ether (MTBE)	50	49		1	98	0.49	70-130	20	06/11/2014 0919
4-Methyl-2-pentanone	100	95		1	95	1.1	60-140	20	06/11/2014 0919
Methylcyclohexane	50	51		1	103	1.6	70-130	20	06/11/2014 0919
Methylene chloride	50	45		1	90	0.49	70-130	20	06/11/2014 0919
Styrene	50	50		1	99	2.2	70-130	20	06/11/2014 0919
1,1,2,2-Tetrachloroethane	50	48		1	97	1.7	70-130	20	06/11/2014 0919
Tetrachloroethene	50	49		1	99	5.1	70-130	20	06/11/2014 0919
Toluene	50	51		1	102	1.7	70-130	20	06/11/2014 0919
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	1.8	70-130	20	06/11/2014 0919
1,2,4-Trichlorobenzene	50	50		1	100	1.1	70-130	20	06/11/2014 0919
1,1,2-Trichloroethane	50	48		1	97	2.0	70-130	20	06/11/2014 0919
1,1,1-Trichloroethane	50	51		1	101	2.8	70-130	20	06/11/2014 0919

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ48726-003
Batch: 48726
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	50		1	100	2.9	70-130	20	06/11/2014 0919
Trichlorofluoromethane	50	58		1	116	2.3	70-130	20	06/11/2014 0919
Vinyl chloride	50	48		1	96	1.3	70-130	20	06/11/2014 0919
Xylenes (total)	100	99		1	99	2.1	70-130	20	06/11/2014 0919

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ48963-001
Batch: 48963
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 06/11/2014 1520

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	06/13/2014 1038
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	06/13/2014 1038
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	06/13/2014 1038
Chlorobenzene	ND		10	0.050	0.0020	mg/L	06/13/2014 1038
Chloroform	ND		10	0.050	0.0030	mg/L	06/13/2014 1038
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	06/13/2014 1038
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	06/13/2014 1038
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	06/13/2014 1038
Trichloroethene	ND		10	0.050	0.0030	mg/L	06/13/2014 1038
Vinyl chloride	ND		10	0.010	0.0010	mg/L	06/13/2014 1038

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ48963-002
Batch: 48963
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 06/11/2014 1520

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.49		10	98	72-127	06/13/2014 0906
2-Butanone (MEK)	1.0	1.0		10	100	60-140	06/13/2014 0906
Carbon tetrachloride	0.50	0.47		10	95	37-166	06/13/2014 0906
Chlorobenzene	0.50	0.47		10	94	78-129	06/13/2014 0906
Chloroform	0.50	0.48		10	96	63-123	06/13/2014 0906
1,2-Dichloroethane	0.50	0.48		10	96	59-143	06/13/2014 0906
1,1-Dichloroethene	0.50	0.47		10	95	50-132	06/13/2014 0906
Tetrachloroethene	0.50	0.45		10	89	70-130	06/13/2014 0906
Trichloroethene	0.50	0.47		10	94	73-124	06/13/2014 0906
Vinyl chloride	0.50	0.42		10	84	29-159	06/13/2014 0906

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCSD

Sample ID: PQ48963-003
Batch: 48963
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 1311/5030B

Leachate Date: 06/11/2014 1520

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Benzene	0.50	0.51		10	101	3.2	72-127	20	06/13/2014 0930
2-Butanone (MEK)	1.0	1.1		10	108	7.6	60-140	20	06/13/2014 0930
Carbon tetrachloride	0.50	0.50		10	99	4.5	37-166	20	06/13/2014 0930
Chlorobenzene	0.50	0.49		10	98	5.0	78-129	20	06/13/2014 0930
Chloroform	0.50	0.50		10	100	3.5	63-123	20	06/13/2014 0930
1,2-Dichloroethane	0.50	0.50		10	100	3.7	59-143	20	06/13/2014 0930
1,1-Dichloroethene	0.50	0.49		10	99	4.3	50-132	20	06/13/2014 0930
Tetrachloroethene	0.50	0.47		10	94	5.2	70-130	20	06/13/2014 0930
Trichloroethene	0.50	0.48		10	97	3.4	73-124	20	06/13/2014 0930
Vinyl chloride	0.50	0.44		10	88	4.9	29-159	20	06/13/2014 0930

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - MB

Sample ID: PQ49033-001
Batch: 49033
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 06/11/2014 0248

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Benzene	ND		10	0.050	0.0020	mg/L	06/13/2014 2301
2-Butanone (MEK)	ND		10	0.10	0.018	mg/L	06/13/2014 2301
Carbon tetrachloride	ND		10	0.050	0.0040	mg/L	06/13/2014 2301
Chlorobenzene	ND		10	0.050	0.0020	mg/L	06/13/2014 2301
Chloroform	ND		10	0.050	0.0030	mg/L	06/13/2014 2301
1,2-Dichloroethane	ND		10	0.050	0.0030	mg/L	06/13/2014 2301
1,1-Dichloroethene	ND		10	0.050	0.0050	mg/L	06/13/2014 2301
Tetrachloroethene	ND		10	0.050	0.0040	mg/L	06/13/2014 2301
Trichloroethene	ND		10	0.050	0.0030	mg/L	06/13/2014 2301
Vinyl chloride	ND		10	0.010	0.0010	mg/L	06/13/2014 2301

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

TCLP Volatiles - LCS

Sample ID: PQ49033-002
Batch: 49033
Analytical Method: 8260B

Matrix: Solid
Prep Method: 1311/5030B

Leachate Date: 06/11/2014 0248

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	0.50	0.52		10	103	72-127	06/14/2014 0545
2-Butanone (MEK)	1.0	1.0		10	102	60-140	06/14/2014 0545
Carbon tetrachloride	0.50	0.55		10	109	37-166	06/14/2014 0545
Chlorobenzene	0.50	0.49		10	98	78-129	06/14/2014 0545
Chloroform	0.50	0.51		10	102	63-123	06/14/2014 0545
1,2-Dichloroethane	0.50	0.52		10	104	59-143	06/14/2014 0545
1,1-Dichloroethene	0.50	0.52		10	104	50-132	06/14/2014 0545
Tetrachloroethene	0.50	0.49		10	99	70-130	06/14/2014 0545
Trichloroethene	0.50	0.51		10	101	73-124	06/14/2014 0545
Vinyl chloride	0.50	0.48		10	97	29-159	06/14/2014 0545

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - MB

Sample ID: PQ48560-001
Batch: 48560
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 06/09/2014 1752

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	0.20	0.021	ug/L	06/12/2014 1408
Acenaphthylene	ND		1	0.20	0.024	ug/L	06/12/2014 1408
Anthracene	ND		1	0.20	0.016	ug/L	06/12/2014 1408
Benzo(a)anthracene	ND		1	0.20	0.019	ug/L	06/12/2014 1408
Benzo(a)pyrene	ND		1	0.20	0.020	ug/L	06/12/2014 1408
Benzo(b)fluoranthene	ND		1	0.20	0.019	ug/L	06/12/2014 1408
Benzo(g,h,i)perylene	ND		1	0.20	0.062	ug/L	06/12/2014 1408
Benzo(k)fluoranthene	ND		1	0.20	0.024	ug/L	06/12/2014 1408
Chrysene	ND		1	0.20	0.021	ug/L	06/12/2014 1408
Dibenzo(a,h)anthracene	ND		1	0.20	0.040	ug/L	06/12/2014 1408
Fluoranthene	ND		1	0.20	0.018	ug/L	06/12/2014 1408
Fluorene	ND		1	0.20	0.022	ug/L	06/12/2014 1408
Indeno(1,2,3-c,d)pyrene	ND		1	0.20	0.050	ug/L	06/12/2014 1408
Naphthalene	ND		1	0.20	0.030	ug/L	06/12/2014 1408
Phenanthrene	ND		1	0.20	0.023	ug/L	06/12/2014 1408
Pyrene	ND		1	0.20	0.017	ug/L	06/12/2014 1408

Surrogate	Q	% Rec	Acceptance Limit
2-Methylnaphthalene-d10		106	15-139
Fluoranthene-d10		123	23-154

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - LCS

Sample ID: PQ48560-002
Batch: 48560
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 06/09/2014 1752

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	0.40	0.41		1	103	41-120	06/12/2014 1438
Acenaphthylene	0.40	0.40	N	1	101	33-93	06/12/2014 1438
Anthracene	0.40	0.34		1	85	13-122	06/12/2014 1438
Benzo(a)anthracene	0.40	0.39		1	98	38-126	06/12/2014 1438
Benzo(a)pyrene	0.40	0.22		1	55	15-115	06/12/2014 1438
Benzo(b)fluoranthene	0.40	0.37		1	93	35-145	06/12/2014 1438
Benzo(g,h,i)perylene	0.40	0.32		1	81	34-142	06/12/2014 1438
Benzo(k)fluoranthene	0.40	0.31		1	77	36-146	06/12/2014 1438
Chrysene	0.40	0.33		1	82	40-135	06/12/2014 1438
Dibenzo(a,h)anthracene	0.40	0.34		1	86	33-144	06/12/2014 1438
Fluoranthene	0.40	0.43		1	108	26-148	06/12/2014 1438
Fluorene	0.40	0.44		1	111	34-126	06/12/2014 1438
Indeno(1,2,3-c,d)pyrene	0.40	0.34		1	85	36-141	06/12/2014 1438
Naphthalene	0.40	0.36		1	91	21-148	06/12/2014 1438
Phenanthrene	0.40	0.45		1	114	29-136	06/12/2014 1438
Pyrene	0.40	0.35		1	88	36-128	06/12/2014 1438

Surrogate	Q	% Rec	Acceptance Limit
2-Methylnaphthalene-d10		101	15-139
Fluoranthene-d10		118	23-154

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - MS

Sample ID: PF06066-002MS
Batch: 48560
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 06/09/2014 1752

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	0.85	0.85		2	100	41-120	06/12/2014 2105
Acenaphthylene	ND	0.85	0.85	N	2	99	33-93	06/12/2014 2105
Anthracene	ND	0.85	0.96		2	112	13-122	06/12/2014 2105
Benzo(a)anthracene	0.042	0.85	1.1		2	122	38-126	06/12/2014 2105
Benzo(a)pyrene	0.050	0.85	0.88		2	97	15-115	06/12/2014 2105
Benzo(b)fluoranthene	0.11	0.85	1.1		2	118	35-145	06/12/2014 2105
Benzo(g,h,i)perylene	ND	0.85	0.76		2	89	34-142	06/12/2014 2105
Benzo(k)fluoranthene	ND	0.85	0.77		2	90	36-146	06/12/2014 2105
Chrysene	0.077	0.85	0.98		2	106	40-135	06/12/2014 2105
Dibenzo(a,h)anthracene	ND	0.85	0.72		2	85	33-144	06/12/2014 2105
Fluoranthene	0.15	0.85	1.3		2	138	26-148	06/12/2014 2105
Fluorene	0.063	0.85	0.98		2	108	34-126	06/12/2014 2105
Indeno(1,2,3-c,d)pyrene	ND	0.85	0.81		2	95	36-141	06/12/2014 2105
Naphthalene	1.1	0.85	2.2		2	137	21-148	06/12/2014 2105
Phenanthrene	0.15	0.85	1.4	N	2	141	29-136	06/12/2014 2105
Pyrene	0.13	0.85	1.2		2	128	36-128	06/12/2014 2105

Surrogate	Q	% Rec	Acceptance Limit
Fluoranthene-d10		129	23-154
2-Methylnaphthalene-d10		93	15-139

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - MSD

Sample ID: PF06066-002MD
Batch: 48560
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 06/09/2014 1752

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	0.85	0.74		2	87	14	41-120	40	06/12/2014 2135
Acenaphthylene	ND	0.85	0.76		2	89	11	33-93	40	06/12/2014 2135
Anthracene	ND	0.85	0.60	+	2	71	46	13-122	40	06/12/2014 2135
Benzo(a)anthracene	0.042	0.85	0.95		2	107	12	38-126	40	06/12/2014 2135
Benzo(a)pyrene	0.050	0.85	0.78		2	86	11	15-115	40	06/12/2014 2135
Benzo(b)fluoranthene	0.11	0.85	0.98		2	103	12	35-145	40	06/12/2014 2135
Benzo(g,h,i)perylene	ND	0.85	0.64		2	75	17	34-142	40	06/12/2014 2135
Benzo(k)fluoranthene	ND	0.85	0.69		2	82	10	36-146	40	06/12/2014 2135
Chrysene	0.077	0.85	0.88		2	94	11	40-135	40	06/12/2014 2135
Dibenzo(a,h)anthracene	ND	0.85	0.62		2	73	15	33-144	40	06/12/2014 2135
Fluoranthene	0.15	0.85	1.2		2	126	8.2	26-148	40	06/12/2014 2135
Fluorene	0.063	0.85	0.89		2	97	9.7	34-126	40	06/12/2014 2135
Indeno(1,2,3-c,d)pyrene	ND	0.85	0.70		2	82	14	36-141	40	06/12/2014 2135
Naphthalene	1.1	0.85	2.4	N	2	153	6.0	21-148	40	06/12/2014 2135
Phenanthrene	0.15	0.85	1.2		2	121	13	29-136	40	06/12/2014 2135
Pyrene	0.13	0.85	1.1		2	117	8.2	36-128	40	06/12/2014 2135

Surrogate	Q	% Rec	Acceptance Limit
Fluoranthene-d10		113	23-154
2-Methylnaphthalene-d10		82	15-139

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - MB

Sample ID: PQ48760-001
Batch: 48760
Analytical Method: 8011
Matrix: Aqueous
Prep Method: 8011
Prep Date: 06/12/2014 20

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.020	0.0056	ug/L	06/12/2014 1240
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0062	ug/L	06/12/2014 1240

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		89	57-137

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

EDB & DBCP by Microextraction - LCS

Sample ID: PQ48760-002
Batch: 48760
Analytical Method: 8011

Matrix: Aqueous
Prep Method: 8011
Prep Date: 06/12/2014 20

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromo-3-chloropropane (DBCP)	0.25	0.30		1	118	60-140	06/12/2014 1250
1,2-Dibromoethane (EDB)	0.25	0.23		1	93	60-140	06/12/2014 1250

Surrogate	Q	% Rec	Acceptance Limit
1,1,1,2-Tetrachloroethane		101	57-137

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number

Client: URS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Chris Rocco / Glenn Hawkins / Sheldon Sisk
Address: 129 Mallard Circle, Suite 100	Telephone No. / Fax No. / Email: 864-527-4737 / aaron.council@urs.com	Waybill No.
City: Greenville; State: SC; Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio 7. NaOH	Quote No.
Project Name: ITRCN		Page: 1 of 4
Project Number: 33764587.00002	P.O. Number	

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: SW	DW	WW	S	Other	Analysis: VOC 826C	DRCP and EDB 8011	PAH 8270D	Number of Containers	Bottle	Preservative
									4	3	2			
									A	A	1			
									1	5	1			
MW-1	6/5/14	0800	G	x					x	x	x			
MW-2	6/4/14	0830	G	x					x	x	x			
MW-3	6/4/14	1000	G	x					x	x	x			
MW-4	6/5/14	0955	G	x					x		x			
MW-5	6/5/14	1110	G	x					x		x			
MW-6	6/4/14	1615	G	x					x	x	x			
MW-7	6/4/14	1635	G	x					x					
MW-8	6/4/14	1550	G	x					x					
MW-9	6/4/14	1110	G	x					x					
MW-9 MS	↓	↓	G	x					x					

PF06066

Turn Around Time Required (Prior lab approval required for expedited TAT): [x] Standard [ ] Rush (Pease Specify)

Sample Disposal: [ ] Return to Client [x] Disposal by Lab

QC Requirements (Please Specify)

Possible Hazard Identification: [x] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [ ] Unknown

	Date	Time		Date	Time
1. Relinquished by / Sample: Aaron D. Council	6/6/14	1300	1. Received by	6/6/14	1300
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	6/6/14	1615	4. Laboratory Received by	6-6-14	1615

Note: All samples are retained for six weeks from receipt unless other arrangements are made

LAB USE ONLY
Received on Ice (Check): [x] Y [ ] N [ ] Ice Pack

Receipt Temp.: 4.6, 4.1 °C

Temp. Blank: [ ] Y [x] N

2.8, 2.9

Effective Date 06-27-2012

Level 1 Report v2.1

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West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council | Chris Rocco | Glenn Hawkins | Sheldon Sisk	
Address	Telephone No. / Fax No. / Email	Waybill No.	Page 2 of 4
128 Mill port Circle, Suite 100	864-527-4737/ aaron.council@urs.com		
City: Greenville | State: SC | Zip Code: 29607	Preservative: 1. Unpres 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: ITRON			
Project Number: 33764587.00002	P.O. Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC 8260	CBCP and ECB 8011	PAH 8270D	Number of Containers	Bottle	Preservative
									4	3	2			
									A	A	I			
									1	5	1			
MW-9 MSD	6/4/14	1110	G	x					x					PF06066
MW-11	6/4/14	1720	G	x					x					
MW-12	6/5/14	0905	G	x					x	x	x			
MW-12 MS	↓	↓	G	x					x	x	x			
MW-12 MSD	↓	↓	G	x					x	x	x			
MW-13	6/5/14	0915	G	x					x					
MW-14	6/4/14	1250	G	x					x					
MW-15	6/5/14	1035	G	x					x					
MW-16	6/4/14	1455	G	x					x					
MW-17	6/5/14	1630	G	x					x	x	x			

Turn Around Time Required (Prior lab approval required for expedited TAT): [x] Standard [ ] Rush (Please Specify)

Sample Disposal: [ ] Return to Client [x] Disposal by Lab

QC Requirements (Please Specify)

Possible Hazard Identification: [x] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [ ] Unknown

	Date	Time		Date	Time
1. Relinquished by (Sampler): Aaron D. Council	6/6/14	1300	1. Received by:	6/6/14	1300
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by	6/6/14	1615	4. Laboratory Received by:	6-6-14	1615

Note: All samples are retained for six weeks from receipt unless other arrangements are made

LAB USE ONLY
Received on Ice (Check): [x] Y [ ] N [ ] Ice Pack
Receipt Temp.: 4.6, 4.1 °C
Temp. Blank: [ ] Y [x]

28, 2.9

Effective Date 05.27.2012

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www.shealylab.com

Chain of Custody Record

Number

Client	Report to Contact	Sampler (Printed Name)	Quote No.
URS Corporation	Aaron Council	Aaron Council / Chris Rocco / Glenn Hawkins / Sheldon Sisk	
Address	Telephone No. / Fax No. / Email	Waybill No.	Page
128 Millport Circle, Suite 100	864-527-4737/ aaron.council@urs.com		3 of 4
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		
Project Name: TRON			
Project Number: 33764587.00002	P.O Number		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC 8260	DRCP and EDB 8011	PAH 8270C	TCLP VOCs								Number of Containers	Bottle	Preservative
									4	3	2	1	E									
									A	A	I	V										
									1	5	1	1										
MW-18	6/5/14	1555	G	x					x		x											
MW-5D	6/5/14	1030	G	x					x		x											
MW-9D	6/4/14	1140	G	x					x													
MW-10D	6/4/14	1155	G	x					x													
MW-16D	6/4/14	1445	G	x					x													
DUP 10	6/4/14	1450	G	x					x													
DUP 11	6/5/14	1635	G	x					x	x	x											
EB-1	6/4/14	1635	G	x					x	x												
EB-2	6/5/14	1330	G	x					x	x	x											
Drums 39-40	6/5/14	1505	C				x					x										

PF06066

Turn Around Time Required (Prior lab approval required for expedited TAT): [x] Standard [ ] Rush (Please Specify)

Sample Disposal: [ ] Return to Client [x] Disposal by Lab

QC Requirements (Please Specify)

Possible Hazard Identification: [x] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [ ] Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron Council	6/6/14	1300	1. Received by	6/6/14	1300
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	6/6/14	1615	4. Laboratory Received by	6-6-14	1615

Note: All samples are retained for six weeks from receipt unless other arrangements are made

LAB USE ONLY
Received on Ice (Check) [x] Y [ ] N [ ] Ice Pack

Receipt Temp. 4.6, 4.1, 2.8, 2.9 °C

Temp. Blank [ ] Y [x] N

Effective Date 06-27-2012

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www.shealylab.com

SHEALY

Chain of Custody Record

Number

Client: RS Corporation	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council / Chris Rocco / Glenn Hawkins / Sheldon Sisk	Quote No.
Address: 26 Millport Circle, Suite 100	Telephone No. / Fax No. / Email: 864-527-4737/ aaron.council@urs.com	Waybill No.	Page: 4 of 4
City: Greenville / State: SC / Zip Code: 29607	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers / Bottle / Preservative
Project Name: TRON			
Project Number: 33764587.00002	P.O Number		PF06066

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOC 8260	DBCP and EDB 8011	PAH 8270D	TCLP VOCs	TCLP VOCs
				4	3	2	1	1					
				A	A		M	1					
				1	5	1	1	1					
B-1			G	x				X	x				
B-2			G	x				X	x				
MW-10	6/4/14	1310	G	X					X				
TB-3								X	X				
TB-4								X	X				
Drum 55	6/5/14	1500											X

Turn Around Time Required (Prior lab approval required for expedited TAT): [x] Standard [ ] Rush (Please Specify)

Sample Disposal: [ ] Return to Client [x] Disposal by Lab

QC Requirements (Please Specify):

Possible Hazard Identification: [x] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [ ] Unknown

	Date	Time		Date	Time
Relinquished by / Sampler: Aaron D. Council	6/6/14	1300	1. Received by	6/6/14	1300
Relinquished by	Date	Time	2. Received by	Date	Time
Relinquished by	Date	Time	3. Received by	Date	Time
Relinquished by	6/6/14	1615	4. Laboratory Received by	6-6-14	1645

Note: All samples are retained for six weeks from receipt unless other arrangements are made

LAB USE ONLY
Received on Ice (Check): [x] Y [ ] N [ ] Ice Pack

Receipt Temp.: 4.6, 4.1 °C

Temp. Blank: [ ] Y [x] N

28, 2.9

Effective Date 05-27-2012

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SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 14

Replaces Date: 09/26/13
Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

Client: URS Cooler Inspected by/date: KWP 6-6-14 Lot #: PF60616

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☐		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
1580/4.5/4.6 °C 1181/4.0/4.1 °C 1373/2.7/2.8 °C 1303 2.8/2.9 °C
Method: ☐ Temperature Blank ☐ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: ____ °C
Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☑	No ☑	KWP 6-6-14	16. Were any samples containers missing?
Yes ☑	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc ...) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.
Sample(s) _____ were received with bubbles >6 mm in diameter.
Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)
SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____
Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR# _____
Sample labels applied by: KWP Verified by: _____ Date: 6-6-14

Comments:
Recieved 2 1L ambers for ~~-026~~ -024 KWP 6-6-14 Not requested on COC
~~-025~~ No 2L ambers recieved for PAH requested on COC
-025

Appendix J: IDW Waste Manifests

ORDER # SBC730749

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
2 C D 0 5 9 6 1 2 7 2 1	2	Univar USA Inc. 800-535-5053	00429417 9 JJK

GENERATOR

5. Generator's Name and Mailing Address

ITRON, INC.
ATTN: MATT MARRON
2111 NORTH MOLTER ROAD; LIBERTY LAKE, WA 99019

Generator's Site Address (if different than mailing address)

ITRON, INC.
1310 EMERALD ROAD
GREENWOOD, SC 29646

Generator's Phone: 864 718-6703

6. Transporter 1 Company Name: 1. UNIVAR USA INC.
U.S. EPA ID Number: G A D 9 8 0 8 4 5 0 7 7

7. Transporter 2 Company Name: 2. DUPRE TRANSPORT, INC.
U.S. EPA ID Number: L A R 0 0 0 0 4 5 9 6 3

8. Designated Facility Name and Site Address

EQ - MICHIGAN DISPOSAL
WASTE TREATMENT PLANT
49350N I-94 SVC DRIVE; BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489

U.S. EPA ID Number: M I D 0 0 0 7 2 4 8 3 1

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, HAZARDOUS WASTE, ~~LIQUID~~, N.O.S. (TETRACHLOROETHYLENE) 9, PG III, (ERG#171)	2	DM	1,000	P	U210		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

1. G123230MDI
PLACARDS PROVIDED BY CARRIER/SHIPPER YES/NO DRIVER SIGNATURE
**** ER CALLER MUST IDENTIFY UNIVAR USA AS REGISTRANT (CONTRACT # 97569) ****

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christopher S. Smith
Signature:
Month: 4 Day: 12 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronnie Brit
Signature:
Month: 4 Day: 12 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) ORDER # [illegible] Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: [illegible]

22. Page: 2 of 2

23. Manifest Tracking Number: 004294179JJK

24. Generator's Name:
ITRON, INC.
ATTN: MATT MA[illegible]RON
2111 NORTH MOLTER ROAD; LIBERTY LAKE, WA 99019

25. Transporter 3 Company Name: [illegible] — U.S. EPA ID Number: [illegible]

26. Transporter 4 Company Name: [illegible] INDUSTRIAL SERVICES — U.S. EPA ID Number: [illegible]

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
	For Transport Only					

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: ITRON/ ACTARIS
1310 EMERALD ROAD

U.S. EPA ID No.: SCD059612721

Manifest: 004294179JJK

Page - Line
1 - 01 **Approval:** G123230MDI NWW

Waste Code(s): U210

Hazardous Constituents: NONE

Subcategory(s):

Certification: THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD.
This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C and Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.

I hereby certify that all information submitted on this and all associated documents, is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** HSE Manager

Printed Name: Christopher S. Smith **Date:** 4/12/14

For questions regarding this form, please call EQ's Customer Service Department at (800) 592-5489.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

ORDER # [illegible]

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
SCD095612721	2	800-535-5053	004294280 JJK

GENERATOR

5. Generator's Name and Mailing Address

ITRON, INC.
ATTN: MATT MARRON
2111 NORTH MOLTER ROAD; LIBERTY LAKE, WA 99019

Generator's Phone: 864 718-6703

Generator's Site Address (if different than mailing address)

ITRON, INC.
1310 EMERALD ROAD
GREENWOOD, SC 29646

6. Transporter 1 Company Name

1. UNIVAR USA INC.

U.S. EPA ID Number: GAD980845077

7. Transporter 2 Company Name

2. DUPRE TRANSPORT, INC.

U.S. EPA ID Number: LAR000045983

8. Designated Facility Name and Site Address

EQ - MICHIGAN DISPOSAL
WASTE TREATMENT PLANT
49350W I-94 SVC DRIVE; BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489

U.S. EPA ID Number: MID000724831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROETHYLENE) 9, PG III, (ERG#171)	1	DM	1,500	P	D040		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

1. G123230MD1
PLACARDS PROVIDED BY CARRIER/SHIPPER YES/NO DRIVER SIGNATURE
**** ER CALLER MUST IDENTIFY UNIVAR USA AS REGISTRANT (CONTRACT # 97569) ****

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month 7 | Day 22 | Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month 7 | Day 22 | Year 14

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

ORDER # [illegible]

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: [illegible]

22. Page: 2 of 2

23. Manifest Tracking Number: 004294280JJK

GENERATOR

24. Generator's Name

TIGER, INC.
ATTN: MATT MARION
2111 NORTH MOLTER ROAD, LIBERTY LAKE, WA 99019

25. Transporter 3 Company Name

3. UNIVAR USA INC

U.S. EPA ID Number: GAD980845077

26. Transporter 4 Company Name

4. EQ INDUSTRIAL SERVICES

U.S. EPA ID Number: MI0800263871

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		

FOR TRANSPORT ONLY

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

34. Transporter 4 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: ITRON/ ACTARIS
1310 EMERALD ROAD

U.S. EPA ID No.: SCD059612721

Manifest: 004294280JJK

Page - Line
1 - 01 **Approval:** G123230MDI NWW

Waste Code(s): U210

Hazardous Constituents: NONE

Subcategory(s):

Certification: THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD.
This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C and Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.

I hereby certify that all information submitted on this and all associated documents, is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** HSE Manager

Printed Name: Christopher S. Smith **Date:** 7/22/14

For questions regarding this form, please call EQ's Customer Service Department at (800) 592-5489.

ORDER # SPC737721

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
8 C D 0 5 3 6 1 2 7 2 1	2	800-535-5053	004294299 JJK

GENERATOR

5. Generator's Name and Mailing Address
ITRON, INC.
ATTN: MATT MARRON
2111 NORTH MOLTER ROAD; LIBERTY LAKE, WA 99019

Generator's Site Address (if different than mailing address)
ITRON, INC.
1310 EMERALD ROAD
GREENWOOD, SC 29646

Generator's Phone: 864 718-6703

6. Transporter 1 Company Name
1. UNIVAR USA INC.

U.S. EPA ID Number
GAD980845077

7. Transporter 2 Company Name
2. DUPRE TRANSPORT, INC.

U.S. EPA ID Number
LAR000045963

8. Designated Facility Name and Site Address
EQ DETROIT
1923 FREDERICK STREET
DETROIT, MI 48211

Facility's Phone: 313-347-1300

U.S. EPA ID Number
MID980991566

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. MAJOR, HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROETHYLENE) 9, PG III, (ERG#171)	34	DM	1760	P	U210
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. G1232226DET
PLACARDS PROVIDED BY CARRIER/SHIPPER YES/NO DRIVER SIGNATURE
**** ER CALLER MUST IDENTIFY UNIVAR USA AS REGISTRANT (CONTRACT # 97569) ****

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

ORDER # SPC737731

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number	22. Page	23. Manifest Tracking Number
E C D 0 5 0 6 1 2 7 2 3	2 of 2	007214299 JJK

24. Generator's Name
TERON, INC.
ATTN: MATT HARRON
2111 NORTH MOLTER ROAD; LIBERTY LAKE, WA 99019

25. Transporter 3 Company Name
3. UNIVAR USA INC
U.S. EPA ID Number
G A D 0 8 0 8 4 5 0 7 7

26. Transporter 4 Company Name
4. EQ INDUSTRIAL SERVICES
U.S. EPA ID Number
M I D 0 0 0 2 6 3 8 7 1

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

FOR TRANSPORT ONLY

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

LAND DISPOSAL RESTRICTION AND CERTIFICATION FORM

Generator: ITRON/ ACTARIS
1310 EMERALD ROAD

U.S. EPA ID No.: SCD059612721

Manifest: 004294299JJK

Page - Line
1 - 01 **Approval:** G123226DET NWW

Waste Code(s): U210

Hazardous Constituents: NONE

Subcategory(s):

Certification: THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD.
This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C and Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.

I hereby certify that all information submitted on this and all associated documents, is complete and accurate to the best of my knowledge and information.

Generator Signature: _____ **Title:** HSE Manager

Printed Name: Christopher S. Smith **Date:** 7/24/14

For questions regarding this form, please call EQ's Customer Service Department at (800) 592-5489.

Appendix K: Independent Air Sample Results

MONITORING REPORT
EMPLOYEE EXPOSURES TO
1,2-DICHLOROETHYLENE, TRICHLOROETHYLENE,
and TETRACHLOROETHYLENE
ITRON
GREENWOOD, SOUTH CAROLINA
May 2, 2012

EXECUTIVE SUMMARY

There was no measurable exposure to 1,2-dichloroethylene, trichloroethylene, or tetrachloroethylene during normal operations at this facility. Measurement limits were well below accepted exposure limits. Informing employees of these results is recommended.

PURPOSE

To determine selected employee exposures to 1,2-dichloroethylene, trichloroethylene, and tetrachloroethylene.

SAMPLING AND ANALYSIS

Battery operated pumps were used to draw air at about 0.05 liters per minute (Lpm) through glass tubes packed with 150 mg activated charcoal, SKC 226-1, to collect organic vapors. The samples were sent to Wisconsin Occupational Health Laboratory in Madison, Wisconsin for analysis.

STANDARDS

The Occupational Health and Safety Administration (OSHA) permissible exposure limit (PEL) is a legal limit not to be exceeded for an 8-hour time weighted average (TWA), unless some other time limit or restriction is placed on the PEL. A short term exposure limit (STEL) is usually a 15-minute TWA for materials which exhibit short term effects at concentrations above the 8-hour TWA concentration. A value preceded by a C is a ceiling limit not to be exceeded. OSHA exposures are determined from the airborne concentration without regard to protection provided by respirator use. In agent specific standards OSHA requires adjustments to the PEL for work shifts longer than 8 hours.

The American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV) is the original and most widely accepted exposure guideline.

The following table lists these standards and guidelines.

Material	PEL		TLV	
	TWA	STEL	TWA	STEL
The following limits are in ppm:				
1,2 dichloroethylene, all isomers	200		200	
trichloroethylene	100	200	10	25
tetrachloroethylene (perchloroethylene)	100	200	25	100

RESULTS AND DISCUSSION

Employee exposures to airborne 1,2-dichloroethylene, trichloroethylene, and tetrachloroethylene (perchloroethylene) are shown in table 1. No 1,2-dichloroethylene was detected at limits of detection from 0.026 ppm to 0.075 ppm, all of which were far below the PEL and TLV of 200 ppm.

Trichloroethylene was not detected in any of the samples at limits of detection from 0.026 ppm to 0.069 ppm, all of which were well below the PEL of 100 ppm and TLV of 10 ppm.

No exposure to tetrachloroethylene was detected at limits of detection from 0.019 ppm to 0.059 ppm, all of which were well below the PEL 100 ppm and TLV of 25 ppm.

CONCLUSIONS AND RECOMMENDATIONS

1. There was no measurable exposure to 1,2-dichloroethylene, trichloroethylene, or tetrachloroethylene during normal operations at this facility, at measuring limits well below accepted exposure limits..

2. General Recommendation: Share the essence of this report with affected employees.

By:
Gerald Beaumont, CIH
date: 5-15-2012

Table 1

Employee Exposures to 1,2-Dichloroethylene, Trichloroethylene, and Tetrachloroethylene during Operations at the Itron Facility in Greenwood, South Carolina on May 2, 2012.

employee	assignment	sample time (min)	1,2-dichloro ethylene (ppm)	trichloro ethylene (ppm)	tetrachloro ethylene (ppm)
Barbara Bush	Service parts shipping	Sampler came off employee, hit floor, and broke.			
Bernice Freeman	Register assembly	440	<0.026*	<0.022	<0.019
Jimmy Turner	CNC machining	435	<0.025	<0.022	<0.019
Mike Smith	Gear train	354	<0.036	<0.030	<0.027
Tim Proctor	CNC machining	435	<0.027	<0.023	<0.020
Bill Hanson	Mass flow. coordinator	442	<0.027	<0.023	<0.021
John Dorn	Production mgr.	144**	<0.079	<0.068	<0.059
Jaime Sanchez	Systems mgr.	441	<0.028	<0.024	<0.021
PEL			200	100	100
TLV			200	10	25

* < means that no material was detected, and the value listed is the sensitivity limit of the sampling and analytical method.

** sampling time was shortened by the sampling technician leaving the tube cap on for several hours.

Appendix L: Water Well Survey

APPENDIX L – Water Supply Well Survey
Itron, Inc. – Greenwood, South Carolina Facility

Water Supply Well Survey

URS completed this water supply well survey of surrounding properties situated within a 2,500-foot radius of the Itron, Inc. facility located at 1310 Emerald Road in Greenwood, SC. The purpose of this survey was to locate and identify any potential water supply wells within the established search radius of the Site.

The survey was completed during visits to the Site in July and September of 2014 and supplemented by correspondence with the South Carolina Department of Health and Environmental Control (SCDHEC) and the Greenwood Commissioners of Public Works (CPW) during the same timeframe. The survey included URS personnel walking the property boundaries of the Site and visually searching adjacent properties for the presence of water supply wells and conducting a vehicular (wind shield) survey of the surrounding area from public right-of-ways for the same purpose. In addition, a well database from SCDHEC for the zip code (29646) was searched to determine where water supply wells had been installed. The database covered the timeframe from 1991 to 2006. Finally, a list of parcel numbers in the search radius were provided to the CPW by URS personnel to establish which locations have active accounts for municipal water services. No persons within the search radius were interviewed as part of the water well survey.

Private Water Supply Wells

Based on information gathered during the survey and review of public records available from SCDHEC and the CPW, several parcels within the search radius were identified as potentially having a water supply well. Table 1 below shows parcels that do not have active municipal water service accounts with the CPW. None of these parcels appear in the SCDHEC well database. The final column in the table establishes whether URS personnel could visually confirm the presence of a water supply well on the individual parcels. Parcels where the visual presence of a well was confirmed are identified with a "potential private water supply well" symbol on Figure 2 of the RI report.

Table 1 – Parcels with Potential Water Supply Wells.

Tax Parcel No.	Address	Owner Name	Inferred Gradient	Direction Relative to Site	Distance (feet)	Visual Presence of Well
6866-740-897	206 Parkland Place Road	Byars Rachel Wells Life Estate	Upgradient	West	800	Confirmed
6866-799-822	312 Parkland Place Road	Jones Randy w/ Robin C.	Cross-gradient	Southwest	650	Not Confirmed
6866-667-959	622 Old Brickyard Road	Coleman Robert S.	Upgradient	Northwest	1,700	Confirmed
6866-688-945	110 Tucker Road	Tucker John Sproles	Upgradient	Northwest	1,300	Confirmed
6866-698-959	704 Old Brickyard Road	Donald Keith Satterfield	Upgradient	Northwest	1,500	Not Confirmed
6866-709-953	710 Old Brickyard Road	Pamela F. Lucas	Upgradient	Northwest	1,400	Confirmed
6866-696-992	705 Old Brickyard Road	Perry E. Thompson	Upgradient	Northwest	1,600	Confirmed
6867-739-039	707 Old Brickyard Road	Andrew Stockman & Ashley J. Darby	Upgradient	North	1,800	Confirmed
6866-649-905	1224 Emerald Road	Anjay R. Patel / Purvin Patel / Nittin	Upgradient	West	1,800	Not Confirmed

*Distances were measured from the steel sump area on the Site (vicinity of MW-7) to the center of the listed parcels.

Municipal Water Supply Wells

In addition to private water supply wells, URS inquired about municipal water supply wells within the search radius. According to the CPW, Lake Greenwood is the sole source for the municipal water system. Thus, there are no municipal water supply wells located within 2,500-feet of the Site.